



2007 Annual Report

The Vietnam Education Foundation

Reporting Period: *October 1, 2006, to September 30, 2007*

**To: The President of the United States
The Committee on Foreign Relations of the U.S. Senate
The Committee on Foreign Affairs of the U.S. House of Representatives**

From: The Board of Directors, Vietnam Education Foundation

Date: June 25, 2008

This report is submitted by the Board of Directors of the Vietnam Education Foundation in compliance with Sec. 209. (b) of P.L. 106-554, Title II – Vietnam Education Foundation Act of 2000.

ACKNOWLEDGEMENTS

The 2007 Annual Report for the Vietnam Education Foundation (VEF) was composed, compiled, and edited by Dr. Lynne A. McNamara, VEF Deputy Executive Director, with select narrative and data provided by VEF staff in the Hanoi Field Office under the guidance and overview of Dr. Phuong Nguyen, VEF Country Director in Vietnam, and by VEF staff members in the United States. The final document was reviewed and approved by Dr. Van-Toi Vo,¹ VEF Executive Director, and by the Chairman of the VEF Board of Directors, Dr. Malcolm Gillis, and then submitted to designated recipients.

¹ Van-Toi Vo is the English order, whereas Vo Van Toi is the Vietnamese order. In this document, the English order is used, except in documents where the Vietnamese order is most appropriate, such as official documents from the Vietnamese government.

Table of Contents

Acknowledgements	2
Table of Contents	3
Executive Summary	5
Introduction	10
Fellowship Program	10
<i>Total Number of VEF Fellows</i>	11
<i>Graduates</i>	11
<i>Academic Year 2007-08</i>	12
<i>Pre-Departure Orientation</i>	12
<i>2008 Cohort Selection</i>	13
<i>Travel and Conference Grants</i>	14
<i>Operations as a Sponsor of an Exchange Visitor Program</i>	14
<i>VEF Alliance</i>	14
<i>Grant Letter for VEF Fellowship Recipients</i>	15
<i>Annual Conference</i>	15
Visiting Scholar Program	16
<i>Number of Visiting Scholars</i>	17
<i>Grant Letter for Visiting Scholars</i>	17
<i>Pre-Departure Orientation (PDO) and Annual Conference</i>	17
Seminars and Projects Program	18
<i>Lectures, Seminars, and Workshops</i>	18
<i>Special Projects</i>	19
VIFOTEC – VEF Award for Technological Creations	19
World Class University (International Standard University)	20
VEF Reports on Higher Education in Vietnam & Follow-up Workshop.....	20
Vietnam OpenCourseWare	21
Vietnamese Sponsors and Organizers	23
Administration and Personnel Development	24
<i>U.S. Headquarters Office</i>	24
<i>Hanoi Field Office</i>	25
<i>Staff Development</i>	25

Finance and Accounting.....	26
Relationships with Government Entities	27
Conclusion.....	28
APPENDICES.....	30
<i>APPENDIX 1 Vietnam Education Foundation Board of Directors As of September 2007</i>	<i>31</i>
<i>APPENDIX 2 Vietnam Education Foundation Staff As of September 2007</i>	<i>32</i>
<i>APPENDIX 3 Graduates as of September 2007 (28).....</i>	<i>33</i>
<i>APPENDIX 4 Names of 201 VEF Fellows Enrolled in U.S. Universities as of Fall 2007.....</i>	<i>37</i>
<i>APPENDIX 5 U.S. Universities of 2003 - 2007 VEF Fellows</i>	<i>45</i>
<i>APPENDIX 6 Pre-Departure Orientation (PDO)</i>	<i>48</i>
<i>APPENDIX 7 VEF Fellowship Application and Selection Process: Cohort 2008</i>	<i>51</i>
<i>APPENDIX 8 U.S. Review Panels for VEF Oral Exam/Interview Mission August 2007</i>	<i>52</i>
<i>APPENDIX 9 Travel Grants Issued: Fiscal Year 2007</i>	<i>54</i>
<i>APPENDIX 10 Conference Grants (23) – Fiscal Year 2007.....</i>	<i>57</i>
<i>APPENDIX 11 VEF Alliance.....</i>	<i>60</i>
<i>APPENDIX 12 Letter to Graduate Schools Summarizing Fellowship Support</i>	<i>63</i>
<i>APPENDIX 13 Terms and Conditions of the Fellowship Grant.....</i>	<i>65</i>
<i>APPENDIX 14 2006 VEF ANNUAL FELLOWS AND SCHOLARS CONFERENCE.....</i>	<i>74</i>
<i>APPENDIX 15 ANNOUNCEMENT- Visiting Scholar Program for 2007-08</i>	<i>78</i>
<i>APPENDIX 16 VEF Visiting Scholars in Cohort 2007 (12).....</i>	<i>84</i>
<i>APPENDIX 17 Terms and Conditions of the Visiting Scholar Grant.....</i>	<i>86</i>
<i>APPENDIX 18 Academic Activities of American Scientists/Experts in Vietnam</i>	<i>93</i>
<i>APPENDIX 19 The Second International Conference on the Development of Biomedical Engineering (BME) and the 2nd Young Vietnamese Scientists Meeting (YVSM)</i>	<i>98</i>
<i>APPENDIX 20 Higher Education Enhancement Workshops For Vietnamese Universities</i>	<i>106</i>
<i>APPENDIX 21 World-Class University Study-Tour Itinerary.....</i>	<i>112</i>
<i>APPENDIX 22 Workshop Agenda - Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education.....</i>	<i>122</i>
<i>APPENDIX 23 Executive Summary of the Follow-up Workshop Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education.....</i>	<i>124</i>
<i>APPENDIX 24 Vietnam OpenCourseWare Project - Summary</i>	<i>128</i>
<i>APPENDIX 25 WORKSHOP: Course Design and Evaluation for Vietnam OpenCourseWare.....</i>	<i>131</i>
<i>APPENDIX 26 Vietnamese Organizations Cooperating With VEF</i>	<i>133</i>
<i>APPENDIX 27 Strategic Plan</i>	<i>136</i>
<i>APPENDIX 28 Article on VEF's achievements and future directions.....</i>	<i>139</i>
<i>APPENDIX 29 VEF'S Official Development Assistance (ODA) Status</i>	<i>144</i>
<i>APPENDIX 30 Press Release by U.S. Embassy on VEF Being Granted ODA Operating Status.....</i>	<i>147</i>

EXECUTIVE SUMMARY

The Vietnam Education Foundation (VEF) has demonstrated its superb organizational and management capabilities through successful dynamic growth during this fourth reporting period from October 1, 2006, through September 30, 2007. Educational activities are conducted generally as part of one of three programs:

1. **Fellowship Program**, which sends Vietnamese nationals to the United States for graduate study;
2. **Visiting Scholar Program**, which supports Vietnamese nationals, who already hold a doctorate, to further develop their professional skills via studies, research, and/or observational activities at leading U.S. academic institutions; and
3. **Seminars and Projects Program**, which builds capacity in science and technology in Vietnam.

The primary educational exchange activity for VEF is the **Fellowship Program**. Since VEF operations began in 2003,

- ✓ VEF has selected and placed a total of **230 outstanding Vietnamese nationals** in science and technology at 63 top university graduate programs across the United States.
- ✓ Most pursue a doctorate degree while some pursue a master's degree.
- ✓ The major fields of study are divided between Engineering and Natural Sciences.
- ✓ About one-quarter of VEF Fellows are female.
- ✓ To date, **28 Fellows have received degrees**:
 - 4 doctorates
 - 23 master's
 - 1 professional degree
- ✓ In the next reporting year (October 1, 2007 – September 30, 2008), **18 Fellows are expected to graduate**. The majority (13) will have doctorates: 12 Ph.D.s and 1 Doctor of Public Health (DPH). The remaining 5 will receive Master's degrees.

To extend the number of Fellowships, VEF has established cost-sharing agreements with **104 leading U.S. research universities**, which constitute the **VEF Alliance**—a cooperative relationship between VEF as the funding agency and the U.S. university as the academic host of VEF Fellows.

To prepare the new Fellows and Visiting Scholars for success, VEF organizes a **Pre-Departure Orientation (PDO)** prior to their departure from Vietnam and an **Annual Conference** in the United States, both of which provide important opportunities for the Fellows and Visiting Scholars to network. VEF also funds competitive **grants for Fellows**:

1. To present at professional conferences; and
2. To teach, do research, or work in Vietnam.

Through these activities, VEF continues to help build a spirit of community, solidarity, and professionalism among its Fellows and Visiting Scholars in order to help them sustain professional and personal support systems while in the United States and when they return to Vietnam.

As the VEF flagship activity, the VEF Fellowship Program continues to be highly successful in its recruitment and selection process as well as in its university admissions and financial arrangements. VEF independently manages all immigration and financial matters, thus providing greater control and quality outcomes. With continuity of programmatic efforts and very well-organized systems and management, the Fellowship Program is on extremely firm footing and is recognized by U.S. universities and Vietnamese entities as a quality program.

Indeed, a remarkable indicator of the high quality of the VEF Fellowship program was **the request from the Ministry of Education and Training (MOET) for VEF to help select candidates for its government-funded scholarship program**, known as the 322 Program. VEF fulfilled the MOET request:

1. By providing training for MOET staff on developing an application and selection process, which emulates that of VEF;
2. By including MOET scholarship candidates in the VEF interview scheme; and
3. By coaching the finalists in how to apply to U.S. universities.

In addition to the well-recognized Fellowship Program, this year VEF successfully established a short-term, post-doctorate level program for Vietnamese nationals to go to the United States. With the assistance of the U.S. National Academies, VEF developed the **Visiting Scholar Program**, which was launched in February 2007. To summarize:

- ✓ The first cohort consists of 12 Visiting Scholars (VS).
- ✓ The VS participate in self-designed post-doctoral professional development programs.
- ✓ 12 leading U.S. universities are hosting the new VEF Visiting Scholars.
- ✓ Programs last from 3 – 12 months.
- ✓ Upon completion of their U.S. program, the VS are required to return to Vietnam and use the knowledge gained to train others. Thus, the VEF Visiting Scholar Program is also a training-of-trainers (TOT) program

To further support their endeavors, VEF provides **grants for Visiting Scholars** for:

1. Professional conference attendance; and
2. Professional development training.

Besides sending Vietnamese nationals to the United States for graduate education and for post-doctoral professional development, VEF also brings American experts in science and technology to Vietnam in order to strengthen Vietnam's internal capacity in science and technology as a part of the VEF Seminars and Projects Program. This year VEF supported **20 American scientists/experts** to visit Vietnam:

- ✓ Representing 20 different U.S. academic institutions
- ✓ Conducting **28 various academic activities**:
 - 8 workshops
 - 19 lectures
 - 1 live online interview on VietnamNet

These VEF-sponsored activities took place in locations throughout Vietnam, including the north, the south, and the central part of the country, and were co-sponsored by a broad spectrum of **26 Vietnamese academic institutions and organizations**.

Several enhancements and changes were made in the **VEF personnel infrastructure**. These included the following:

1. For the U.S. office,
 - a. Appointment of the second Executive Director;
 - b. Establishment of the Deputy Executive Director position, filled by the former Acting Executive Director; and
 - c. New appointment to the already established position of Director of Finance, Accounting, and Administration.
2. For the Hanoi Field Office,
 - a. Appointment of the first Country Director;
 - b. Resignation of the Senior Program Assistant for Seminars and Projects; and
 - c. Two new appointments to the following already established positions:
 - i. Program Assistant for the Fellowship Program; and
 - ii. Administrative Assistant.

To further staff development, VEF conducted its **annual VEF staff retreat** in September 2007, which included staff training and an evaluation of VEF program activities. During the retreat, review of the annual 360° personnel evaluation forms for 2007 was initiated. For the previous year, the 360° personnel evaluations for 2006 were completed in the spring 2007.

Despite the physical distance and time difference between the United States and Vietnam, the **two offices function exceptionally well** together. Daily communication is conducted via email, conference calls, direct phone calls, and internet chat and calls via Skype. The U.S. senior staff establishes strategies, finalizes policies and procedures, and reviews and concludes final documents. The Hanoi staff manages VEF activities in Vietnam and assists with arrangements for activities in the United States, all with oversight and approval by the U.S. office. Even with some staff turnover, the VEF management remains strongly focused on quality, efficiency, and performance.

VEF continues to build positive relationships with various Vietnamese and U.S. government entities both in Vietnam and in the United States. Regarding public relations with Vietnamese government entities, of historic significance was the first meeting between the **Vietnamese Prime Minister** Nguyen Tan Dung and VEF leadership. Subsequently, the VEF Executive Director had another opportunity to speak with the Prime Minister when he was in New York to celebrate the designation of Vietnam as a member of the United Nations Security Council. During this reporting year, various working meetings were held with Professor Nguyen Thien Nhan, the new Vietnamese **Deputy Prime Minister**, who continues also to serve as the Minister of Education and Training. Additionally, VEF participated in a forum held at The New School in New York, hosting Mr. Nguyen Minh Triet, **President of Vietnam**. The Executive Director also met with **General Vo Nguyen Giap**, who expressed his strong support of VEF activities.

Within the American government, VEF continues to expand its relationship with the U.S. Embassy in Vietnam, meeting with outgoing **U.S. Ambassador** Michael Marine; with John Aloisi, Deputy Chief of Mission; with James Warren, Public Affairs Officer; and with Kenneth Fairfax, Consul General in Ho Chi Minh City. VEF also met in the United States with the **Vietnam Desk** Officer, Brett Blackshaw, in the Office of Mainland Southeast Asia in the Department of State. Continuing further outreach initiatives, VEF met with two **congressional members** of the VEF Board of Directors and also with two members of the staff of the U.S. Senate Foreign Relations Committee.

Financially, VEF has **operated within budget**. VEF receives \$5 million annually from the Vietnam Debt Repayment Fund. As of the end of fiscal year 2006, VEF showed a positive balance of \$5.6 million due to the carryover amount from previous fiscal years along with savings achieved by VEF. Thus, VEF had a total of \$10.6 million available for obligations in FY 2007. To achieve its goals for **Fiscal Year (FY) 2007** (October 1, 2006 – September 30, 2007), **VEF had an approved budget of \$7.4 million.**

VEF legal counsel confirmed that, according to the U.S. Department of Justice, VEF is **authorized to do fundraising** because an ability to accept gifts, as stated in the VEF legislation, implies the ability to solicit gifts. As a consequence, the VEF Board of Directors established a Fundraising Committee and VEF set up a means by which monies can be received by VEF through a special account at the General Services Administration (GSA).

In planning for the future, during the annual budget discussions at the July 2007 Board of Directors meeting, the VEF Director of Finance, Accounting, and Administration submitted a budget projection showing that, in spite of conservative financial measures, VEF would run into a deficit in 2009, if it continued with the current rate of spending. Therefore, VEF proposed multiple cuts in the FY 2008 budget (October 1, 2007 – September 30, 2008). However, the Board decided to keep the number of Fellows at 40 and to keep several programs. Based on the expectation that fundraising would provide additional funds for activities, to achieve VEF goals **for FY 2008, the VEF Board of Directors approved a budget of \$7.8 million.**

As evidence of increasing cooperation between VEF and the Vietnamese government, VEF was granted by the Vietnamese government the official designation of the **status of an Official Development Assistance (ODA) agency.**

In conclusion, through its high quality activities and programs utilizing highly capable staff, VEF continues to build a solid record of success while keeping within budget requirements. Besides building fundamental relationships between Vietnamese emerging scientists and U.S. academic institutions and faculty, the long-term benefits of VEF efforts will steadily grow as more VEF Fellows graduate and return to Vietnam. In the meantime, VEF continues to contribute to the development of science and technology in Vietnam through the numerous beneficial activities of the Seminars and Projects Program.

At the international political level, because of its excellent relationship with the Vietnamese government, VEF is seen as an effective foreign policy tool to promote U.S. national interests regarding Vietnam and to bring Vietnam and the United States closer together. VEF can continue

to move forward confidently as a high quality, well-respected, internationally recognized educational exchange program that serves as a catalyst for superb development of science and technology in Vietnam and for the continual expansion of positive relationships between the people of the United States and Vietnam.

2007 Annual Report
The Vietnam Education Foundation
Reporting Period: October 1, 2006, to September 30, 2007

INTRODUCTION

The Vietnam Education Foundation (VEF), an independent federal agency created by the U.S. Congress in December 2000, has continued its dynamic growth during this fourth reporting period from October 1, 2006, through September 30, 2007. By law, VEF is governed by a **Board of Directors** (Appendix 1) including the Secretaries of State, Treasury, and Education, all of whom have ongoing appointments on the Board; two U.S. Senators and two U.S. Representatives, who have six-year non-renewable appointments; and six Presidential appointees on three-year renewable terms.

During this reporting period, the 6-year **congressional appointments** were completed by Senators John Kerry and Chuck Hagel and by Congressmen George Miller and Christopher Smith. Their replacements are Senators Jim Webb and Dick Vitter along with Congressmen Earl Blumenauer and Joe Pitts. **Cabinet-level appointees** remain the same: Secretary of Education, Margaret Spellings; Secretary of State, Condoleezza Rice; and Secretary of Treasury, Henry M. Paulson, Jr. Among the **presidential appointees**, Dr. Van-Toi Vo resigned from the Board in order to accept a temporary appointment as VEF Executive Director while on leave from his tenured appointment at Tufts University. No replacement on the board has been named to date, leaving the number of active presidential appointees at five: Malcolm Gillis (Chair), Trung Dung, Frank Jao, Marilyn M. Pattillo, and Richard J. Wall.

Funded by Vietnam's debt repayments to the United States, VEF focuses on **educational exchange activities** that include bringing qualified Vietnamese nationals to the United States for graduate studies and professional training development in science and technology (S&T) and sending qualified Americans to Vietnam to provide expertise and training in the same fields, while building the internal capacity of S&T in Vietnam. Highlighting the efforts of VEF are the following:

1. Fellowship Program;
2. Visiting Scholar Program; and
3. Seminars and Projects Program.

Under the expertise of highly capable VEF staff (Appendix 2), the programs have been managed successfully within budget.

FELLOWSHIP PROGRAM

The flagship VEF program, serving as the primary educational exchange activity for VEF, is the VEF Fellowship Program, focusing on graduate education in science and technology. Since the beginning of the Fellowship Program in 2003, VEF has selected and placed a total of **230**

outstanding Vietnamese nationals at 63 top graduate schools across the United States. These students were chosen from a large national pool of applicants, through an open, competitive, and transparent process. VEF engages the National Academies of the United States to assist in the extensive selection process. Final selection is based on academic background and skills as well as potential to contribute to the scientific and technological development of Vietnam.

Total Number of VEF Fellows

To date, the community of 230 VEF Fellows placed in U.S. universities consists of **five cohorts**. Identified by the academic year that they began their U.S. university studies, the VEF Fellowship cohorts consist of the following:

1. 2003 cohort with 19 Fellows;
2. 2004 cohort with 83 Fellows, one of whom resigned for personal reasons after one year;
3. 2005 cohort with 51 Fellows;
4. 2006 cohort with 37 Fellows, and
5. 2007 cohort with 40 Fellows.

Graduates

The overwhelming majority of VEF Fellows are in Ph.D. programs, requiring generally 5 years for completion. So, VEF will start to see significant numbers of graduates in 2008, five years from the fall of 2003, when the first cohort of VEF Fellows began graduate degree programs in the U.S.

To date, **28 of the 230 VEF Fellows have completed graduate degrees:** 4 doctoral degrees, 23 master's degrees, and 1 professional degree (Appendix 3). To summarize the status of these 28 graduates,

- ✓ **Eleven (11)** are continuing their academic program in the United States by pursuing Academic Training (AT) under VEF visa sponsorship.
- ✓ **Fifteen (15)** graduates have returned to Vietnam:
 - Eight (8) are working in the corporate sector;
 - Four (4) have positions involved in research;
 - One (1) is involved in university teaching;
 - One (1) is heading his own research and training center; and
 - One (1) is heading his own private company.
- ✓ The **remaining two (2)** graduates have continued on to doctoral programs in the United States, but without VEF sponsorship.
- ✓ In the next reporting year (October 1, 2007 – September 30, 2008), **18 Fellows expect to graduate.** The majority (13) will have doctorates, and the remaining five (5) will receive Master's degrees:
 - Twelve (12) will have Ph.D.s: ten (10) from the 2003 Cohort, one (1) from the 2004 cohort, and one (1) from the 2005 cohort.

- One (1) from the 2004 cohort will have a Doctor of Public Health (DPH).
- Five (5), all from the 2004 Cohort, will have Master's degrees.

Academic Year 2007-08

As of the fall 2007, **201 VEF Fellows are enrolled** in graduate programs in the United States (Appendix 4). These 201 Fellows in cohorts 2003, 2004, 2005, 2006, and 2007 can be described as follows:

- The 201 VEF Fellows are attending **57 top-tier U.S. universities** (Appendix 5).
- Most (**97%**) are pursuing a **doctoral degree** while some (3%) are pursuing a master's degree.
- **Females number 22% and males 78%.**
- The major fields of study are divided between **Engineering (42%) and Natural Sciences (58%)**. Within those broad groupings, the fields are divided as follows:
 - Electrical Engineering (19%)
 - Computer Science (18%)
 - Public Health (11%)
 - Biological/Life Sciences (7%)
 - Environmental Engineering (7%)
 - Civil Engineering (6%)
 - Physics (6%)
 - Chemistry (5%)
 - Mathematics (5%)
 - Mechanical Engineering (4%)
 - Agricultural Sciences (4%)
 - Chemical Engineering (3%)
 - The remaining fields (5%) include Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Environmental Science, Geography, Industrial Engineering, and Meteorology.

Pre-Departure Orientation

To help with the success of new VEF Fellows and to meet the requirements of the U.S. Department of State Exchange Visitor Program, VEF provides a **Pre-Departure Orientation (PDO)** for all VEF Fellows prior to their departure from Vietnam. The PDO is considered an important step to facilitate transition to American culture and to U.S. campus life for the new Fellows. VEF organizes the intensive PDO in two sections:

1. A team-building event focusing on challenging outdoor activities; and
2. Formal presentations focusing on cultural and academic issues.

For the 2007 cohort, VEF organized the PDO in Vietnam from June 7-13, 2007 (Appendix 6). Commencing with the **team-building event** held in Dalat, the first two days consisted of outdoor games and activities organized by Embers Ltd., an American company contracted by VEF, whose headquarters are in Kailua, Hawaii. By participating in these outdoor challenges, the Fellows were better able to understand the following:

- ✓ How to work together cooperatively;
- ✓ How to manage time effectively;
- ✓ How to achieve success in the highly competitive American academic environment; and
- ✓ How to transition more easily to a new culture and environment.

The final two days of the PDO were held in Ho Chi Minh City. This dynamic **cultural and academic portion** of the orientation consisted of interactive lectures and addressed the following topics:

- Funding
- Graduate assistantships
- VEF policies
- Cultural differences
- Campus life (housing, health and wellness, social life, travel, and banking accounts)
- Regulations for students with J-1 visas
- Academic life (campus orientations, language assistance, course choices, grading, advisers, and planning toward a thesis/dissertation)

2008 Cohort Selection

To apply for a VEF Fellowship, VEF provides two different paths, called Process A and Process B. As is the case for all VEF Fellowships, the VEF Board of Directors must approve all final Fellowship candidates.

Vietnamese nationals, who have not yet applied to a U.S. university, may apply for a VEF Fellowship through **Process A** (Appendix 7), which involves the following:

- Series of standardized tests;
- Technical review by the National Academies; and
- Oral interview/exam conducted in Vietnam by American scientists organized by the National Academies.

Considered “nominees,” these interviewees must be admitted to a U.S. university before they are finally designated as Fellows.

The second path for a VEF Fellowship is through **Process B** and is for Vietnamese nationals, who have succeeded in gaining admission to a leading U.S. university on their own. Process B involves the following:

- Technical review by the National Academies; and
- Interview by VEF.

For the final stage of the Process A Fellowship selection process for the sixth cohort of Fellows to begin in fall 2008, a total of 16 **American scientists/experts** (Appendix 8) served as examiners to recommend Fellowship finalists during the August 2007 selection review panels. Known as the Oral Exam/Interview, the intensive 45-minute individual interview is conducted entirely in English. Out of almost 1,300 initial registrants for the 2007 VEF Fellowship, who started the application process in September 2006, 108 of the top qualified applicants ultimately

were interviewed. Of these, 40 were recommended to receive VEF Fellowships to begin graduate studies in the fall 2008.

In its efforts to help the **Ministry of Education and Training (MOET)** select candidates for its **Vietnam Overseas Scholarship Program (VOSP)**, also known as the 322 program, VEF made arrangements to include in the VEF interview process those MOET candidates that met the minimum qualifications for an interview. Out of 28 MOET candidates interviewed, 15 were recommended for graduate study in the United States and were provided a letter of recommendation, signed by the U.S. scientists, to add to their application portfolios for U.S. universities.

Travel and Conference Grants

As a benefit for the VEF Fellows presently enrolled in U.S. universities, VEF offers incentives for the Fellows to develop and maintain professional relationships in Vietnam, to develop professional presentation skills, and to establish networks in one's field.

Through the VEF *Travel Grant for Teaching, Research, and Professional Work* in Vietnam, VEF provides \$1,200 to Fellows toward expenses related to such endeavors. This grant is one means of encouraging Fellows to maintain close ties with Vietnam and, thus, to return to Vietnam at the end of their academic program in the United States. A total of 30 Travel Grants were awarded during this reporting period (Appendix 9).

For use while a Fellow is enrolled in a graduate degree program, the VEF *Conference Grant* serves as a means of professional development intended to encourage VEF Fellows to present their academic work and research at leading professional conferences in their field. As a result, VEF Fellows have the opportunity to network with other scientists in their field and to become more recognized professionally. For Fiscal Year (FY) 2007, 23 Conference Grants of \$1,500 each, to be applied toward conference expenses, were awarded to Fellows whose papers were accepted to be presented (Appendix 10).

Operations as a Sponsor of an Exchange Visitor Program

VEF has a full-time Program Officer, housed in the U.S. office, serving as Responsible Officer to manage all matters related to immigration and visa matters for Vietnamese nationals, who are Exchange Visitors under VEF sponsorship. The Program Officer regularly uses the Department of State web-based technology called the **Student and Exchange Visitor Information System (SEVIS)**, which tracks and monitors VEF Fellows and their dependents throughout the duration of their approved academic program in the United States.

VEF Alliance

To achieve one of the mandates of the VEF legislation, VEF established cost-sharing agreements

with U.S. universities to host VEF Fellows. Institutions that signed the agreement are designated as members of the **VEF Alliance**. The VEF Alliance consists of **104 leading American universities** (Appendix 11).

To clarify fully the cost-sharing conditions, VEF provides an explanatory letter of the **financial arrangements of the VEF Fellowship** (Appendix 12) for all Fellows to submit to each university to which they apply. The following summarizes this cost-sharing financial arrangement:

1. VEF pays an annual grant of \$27,000 to the university for each Fellow for the first two years.
2. In exchange, the university provides for the Fellow all required tuition, fees, health insurance, and a monthly stipend for 12 months, which must be equal to what a typical graduate student in the specific department would receive.
3. Additionally, if the monthly stipend is not sufficient to cover required books and equipment, the university provides an appropriate supplementary amount to the Fellow.
4. By the third year of a graduate program, the Fellow is expected to be fully supported by the university through assistantships and/or other university funding.
5. VEF provides an annual professional development grant of \$3,000 directly to the Fellow, who is fully supported by his/her university.

For universities that are **not members of the VEF Alliance** and that admit a VEF Fellow, VEF requires the **same funding arrangements** as for an Alliance school.

With cost-sharing in place as a fixed funding mechanism, VEF can confidently project the financial costs for the Fellowship program.

Grant Letter for VEF Fellowship Recipients

To each new Fellow for 2007, VEF issued a comprehensive **grant letter** covering the duration of each individual's academic program in the United States. The obligations of the Fellow are detailed in the grant letter agreement with VEF (Appendix 13), which is signed by each Fellow to acknowledge understanding and acceptance of the requirements of the Fellowship. The grant letter serves as an important reference for the terms of the Fellowship, including the specific obligation for the Fellows, along with their dependents, to return to Vietnam at the completion of the Fellow's academic program.

Annual Conference

Looking to the future of the Fellows, VEF continues to help build a spirit of community and solidarity among our Fellows in order to help them sustain professional and personal ties while in the United States and when they return to Vietnam. Besides the online VEF Village created and maintained by VEF Fellows as a means to build the Fellowship community, VEF organizes its Annual Conference with the assistance of the National Academies to allow VEF and its Fellows to interact with each other and with the U.S. scientific community.

The 2006 **VEF Annual Fellows' Conference** took place in Houston, Texas, December 27-30, 2006, hosted by the University of Texas Health Sciences Center. The conference offered opportunities for professional career development and for scientific discussion. Included in the agenda (Appendix 14) were the following:

- ✓ Visits to local companies in Houston;
- ✓ Professional development fair with corporate displays;
- ✓ Sessions on career advancement and on entrepreneurship;
- ✓ Individual curriculum vitae (CV) reviews;
- ✓ Forum on higher education in Vietnam;
- ✓ Scientific sessions organized by fields provided concurrent forums for the Fellows to present their own research; and
- ✓ Video of a pre-taped interview between VEF Fellows and Prof. Dr. Nguyen Thien Nhan (at that time the Minister of Education and Training, who was selected to the position of Deputy Prime Minister of Vietnam in August 2007).

In summary, the **VEF Fellowship Program** continues to be highly successful in its recruitment and selection process as well as in its university admissions and cost-sharing financial arrangements. VEF manages independently all immigration and financial matters, thus providing greater control and quality outcomes. Through its various Fellowship activities, VEF continues to help build a spirit of community and solidarity among its Fellows in order to help them sustain professional and personal support systems while in the United States and when they return to Vietnam. With continuity of programmatic efforts and very well-organized systems and management, the Fellowship Program is on extremely firm footing and is recognized by U.S. universities as well as by Vietnamese entities as a high quality program.

VISITING SCHOLAR PROGRAM

Initiating a new exchange program, VEF launched the Visiting Scholar Program (VSP) (Appendix 15) in February 2007 with the purpose of providing short-term professional development opportunities for Vietnamese nationals, who already hold a doctorate in a field of science, technology, engineering, or math (the STEM disciplines) or other fields supported by VEF.

The Visiting Scholar Program is intended to support post-doctoral professional development, which may include studies, research, and/or observational activities, to take place in cooperation with a leading U.S. academic institution. These self-designed programs, which are arranged under the guidance of specific U.S. professors serving as mentors, vary from 3-12 months in length and may include formal courses, workshops, seminars, laboratory or field research, or other types of professional development activities. Upon returning to Vietnam, the Visiting Scholars must use the knowledge and skills acquired in the United States to train others. In this way, the VEF VSP is a training-of-trainers (TOT) program.

The extensive application and selection process of the Visiting Scholar Program incorporates assistance from the U.S. National Academies. Following the successful model of its Fellowship program, the VEF Online Management System (OMS) for the VSP includes relevant forms and policies accessible to the Visiting Scholars and useful to the VEF staff to manage the details of academic and immigration information.

Number of Visiting Scholars

The first cohort of VEF Visiting Scholars debuted in the Fall of 2007 while the varied programs took place during the academic year 2007-08. The Visiting Scholar Cohort 2007 consists of **12 postdoctoral Vietnamese nationals**, whose fields of study mirror those supported by VEF (Appendix 16). The Visiting Scholars, many of whom serve as university instructors or researchers at research institutes in Vietnam, are in various professional training programs at 12 leading U.S. universities. While only one Visiting Scholar in this year's cohort has a short training period of 3 months, most have longer training periods ranging from 8 to 12 months.

Grant Letter for Visiting Scholars

Similar to what is provided to the Fellows, VEF issued a **comprehensive grant letter** for each Visiting Scholar, in which the duration of the training program is specified and the obligations of the Scholar are detailed (Appendix 17). Serving as a reference for the specific terms of the Visiting Scholar Program, the grant letter is signed by the Visiting Scholar to acknowledge the agreement with VEF and the responsibilities of the Visiting Scholar, including the obligation for the Visiting Scholar and his/her dependents to return to Vietnam at the completion of the training program.

Pre-Departure Orientation (PDO) and Annual Conference

To prepare the Visiting Scholars for their transition to the United States, VEF included the Visiting Scholars in the **Pre-Departure Orientation (PDO)** held for its Fellows prior to their departure to the U.S. The Visiting Scholars were randomly mixed among the Fellows during the outdoor challenge activities to allow for both groups of highly competent individuals to build bonds. The purpose of combining the post-doctorate Visiting Scholars with new VEF Fellows was intentional in order to begin important networking among Vietnamese scientists, which is expected to continue when both groups return to Vietnam. As for the academic portion of the PDO, the Visiting Scholars are hosted on an American campus and are encouraged to engage in academic life as much as possible. Thus, the orientation helps the Visiting Scholars understand more about U.S. university life.

To promote further networking and professional support, the Visiting Scholars are expected to participate in the **VEF Fellows and Scholars Annual Conference**.

In summary, the **Visiting Scholar Program** is an expansion of the ever-growing efforts of VEF to fulfill its legislative mission. Though the Visiting Scholar Program provides only a small

number of grants each year, the program has a more immediate effect. Specifically, Visiting Scholars are in the United States no longer than one year and must return to Vietnam to share their knowledge gained in the United States, as required in the Training-of-Trainers component of the VSP.

VEF considers the Fellows and Visiting Scholars as two closely related groups of skilled scientists and professionals, who are not only instrumental in the continuing development of science and technology in Vietnam, but who are also influential in helping to build the relationship between the United States and Vietnam as a result of their U.S. experience. Fostering a strong community and on-going solidarity among the Fellows and Visiting Scholars is an extremely important goal of VEF. Such cooperative professional relationships are essential to moving Vietnam forward in the arenas of science, technology, engineering, mathematics, and public health at the global level.

SEMINARS AND PROJECTS PROGRAM

Besides sending Vietnamese nationals to the United States for graduate education and for postdoctoral professional development, VEF also brings American experts in science and technology to Vietnam in order to strengthen Vietnam's internal capacity in science and technology. Through the Seminars and Projects Program, VEF hopes to build a strong base that will help support our Fellows and Visiting Scholars when they return to Vietnam.

This year VEF supported **20 American scientists/experts**, representing 20 different U.S. academic institutions or organizations, to conduct 28 various academic activities, including 8 workshops, 19 lectures, and 1 online interview (Appendix 18). The activities took place in locations throughout Vietnam: in the north, the south, and the center of the country and were co-sponsored together with VEF by a broad spectrum of Vietnamese counterparts.

Lectures, Seminars, and Workshops

One of the major events sponsored by VEF that brings a large number of U.S. scientists to Vietnam for a brief period is the annual Interview Mission, also called the Oral Exam/Interview. U.S. experts serve on panels to interview finalists for the VEF Fellowship. While these distinguished U.S. visitors are in Vietnam, they volunteer to give public lectures. In August 2007, the majority of the presentations given (as already listed in Appendix 18) by American scientists occurred during the VEF Interview Mission.

In addition to these scientific lectures, VEF sponsored and co-organized specific seminars and workshops during the time period covered by this report, include the following:

1. 2nd Young Vietnamese Scientists Meeting (YVSM), held in cooperation with the Second International Conference on the Development of Biomedical Engineering (BME), July 25–28, 2007 in (Appendix 19).
2. Series of workshops on Higher Education Enhancement, August 6–13, 2007 (Appendix 20).

Special Projects

In further efforts to build the internal capacity of science and technology in Vietnam, VEF has been involved in special projects that typically are on-going or recurring. Each project may have multiple events over an extended time period. VEF has been committed to these types of projects because of the intended broad and long-term impact to the development of science and technology capacity in Vietnam, thus paving the way for VEF Fellows' return to Vietnam.

Specifically, during this reporting period, VEF was involved in the following significant projects:

- (1) *VIFOTEC²-VEF Award for Technological Creations*: Awards to Vietnamese university students for technological innovations;
- (2) *World-Class University*: Assistance to MOET for study tours
- (3) Follow-up workshop co-sponsored by the Ministry of Education and Training on the two VEF reports on the status of higher education in Vietnam: *Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education*, August 2–3, 2007; and
- (4) *Vietnam OpenCourseWare (VOCW) Project*: The establishment of online open courseware in science and technology, available free to the public.

The following briefly describes each of the special projects.

VIFOTEC – VEF Award for Technological Creations

Continuing its participation, which was initiated in 2005, VEF provided funds to the Vietnam Fund for Supporting Technological Creations (VIFOTEC) to establish the *VIFOTEC-VEF Award for Technological Creations*. VIFOTEC organized a **nation-wide competition for university students** to demonstrate their competence in technological creations. The selection criteria included evaluation of the following:

- (i) Methodology;
- (ii) Scientific content;
- (iii) Economic, scientific, and educational efficiency; and
- (iv) Project presentation.

For the 2006 competition, the VIFOTEC-VEF Award Ceremony was held on January 4, 2007, in Hanoi. Winners included 7 awards for first place, 31 for second place, and 50 for third place, all representing nearly 20 fields in science and technology. Prior to the official award ceremony, VEF organized a meeting on June 13, 2006, for all VIFOTEC 2006 winners at Ho Chi Minh City University of Natural Sciences to encourage young Vietnamese talents in science and technology to consider applying for a VEF Fellowship.

² VIFOTEC: Vietnam Fund for Supporting Technological Creations

In addition, at the request of MOET, VEF provided one year of intensive, advanced-level English as a Second Language (ESL) for VIFOTEC winners, who had received an award from 2005 forward and whose schedules allowed them to commit to the intensive ESL program. The purpose was to provide to recognized achievers in science an opportunity to improve their English skills in order to compete for VEF Fellowships. VEF contacted eligible participants and engaged the Hanoi University of Foreign Studies (HUFS) to manage the final selection, to provide the ESL training from September 2006 to September 2007, and to evaluate participants, using the Test of English as a Foreign Language (TOEFL) Institutional exam.

Of the 61 learners who initially enrolled, 48 completed the course, consisting of **500 hours of study**. The success of the program can be seen in the performance of the 48 learners. At the beginning of the course, only 7 (15%) received a score higher than 500 on the TOEFL whereas by the end of the course those numbers increased by almost 40% with 26 (54%) receiving a score above 500.

World Class University (International Standard University)

At the request of the Ministry of Education and Training (MOET), VEF organized study tours for a Vietnamese delegation headed by the Minister of Education and Training, Dr. Nguyen Thien Nhan, to visit leading universities in Germany (October/November 2006) and in the U.S. (December 2006) and to meet with U.S. and Vietnamese government officials while in Washington, D.C. (Appendix 21).

Universities visited in Germany were the Jacobs University Bremen and the University of Bremen as well as the Max Planck Institute. Universities visited in the U.S. were Duke University, the University of North Carolina at Chapel Hill, Rice University, and the University of Texas Health Science Center at Houston. U.S. government officials, who were visited, included Assistant Secretary of State for East Asia and Pacific, Christopher Hill, and Acting Undersecretary and Chief of Staff to the Secretary of Education, David Dunn. Vietnamese government officials visited included the Ambassador of Vietnam to the United States, Nguyen Tam Chien.

The visit to Germany was premised on the success of the innovative relationship established between Rice University and the Jacobs University Bremen wherein the German university had established a close working relationship with Rice regarding the development of the Jacobs University Bremen as a top ranking, internationally recognized university. This relationship served as an example for the MOET delegation of the potential relationship that might be developed with a U.S. university to assist in the development of a world class university in Vietnam.

VEF Reports on Higher Education in Vietnam & Follow-up Workshop

VEF sponsored two pioneering reports on the status of higher education in Vietnam:

1. *Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam*, completed in August 2006; and
2. *Observations on the Current Status of Education in the Agricultural Sciences in Vietnam*,

completed in January 2007.

As a follow-up, in cooperation with the Ministry of Education and Training (MOET) and the U.S. National Academies (NA), VEF organized a workshop, entitled *Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education*, which took place in Hanoi on August 2-3, 2007.

The workshop (Appendix 22) was facilitated by five U.S. experts, who helped to co-author the VEF reports. The audience included leading decision makers from MOET and from higher education institutions in Vietnam. The purpose of the workshop was multifold:

1. To review recommendations made in the VEF reports,
2. To discuss the relevance and feasibility of these recommendations with respect to Vietnam's system of higher education, and
3. To identify innovative approaches, pilot projects, and partnerships that can be implemented to improve the quality of science and engineering education in universities in Vietnam.

Discussion topics at the workshop included:

- ✓ Teaching methodology;
- ✓ Curriculum development and course content;
- ✓ Student and faculty evaluation;
- ✓ Faculty development and advancement; and
- ✓ Research in undergraduate and graduate education.

Captured in the executive summary (Appendix 23), the outcomes of the workshop focus on a series of improvement plans for follow-up projects, including the following:

1. Adopting teaching methodologies that foster active learning;
2. Reducing the number of credits required for degrees;
3. Increasing the amount of homework;
4. Creating a system for faculty evaluation, development, and advancement;
5. Providing more autonomy to each university to develop its own curriculum; and
6. Strengthening the research role in undergraduate and graduate education.

Though immediate results may be difficult to observe, the VEF reports in the long run will serve as notable references for the Vietnamese government and universities, for U.S. universities and government entities, and for VEF. Addressing openly the significant issues that face higher education in Vietnam, the VEF reports are a major contribution to the heretofore limited body of knowledge available on the subject.

Vietnam OpenCourseWare

With the aim of bringing the highest quality, most up-to-date teaching and learning materials from the leading universities in the world to Vietnam, VEF initiated the Vietnam OpenCourseWare (VOCW) project. In essence, VEF is facilitating throughout Vietnam the use of high quality Open Educational Resources (OER), including the Massachusetts Institute of Technology (MIT) OpenCourseWare (OCW) while using Rice University's Connexions

software as the online course platform. In brief, VOCW allows Vietnamese scientists, faculty members, and students to use Open Educational Resources (OER) in their teaching, learning, and research work while protecting rights of authorship.

To clarify further on the latter point of authorship, in order to promote the adoption of international regulations with regard to the use of another person's work, VEF has arranged for the porting of the Creative Commons Licenses in Vietnam as an integral part of the VOCW project. The goal of this activity is three-fold: (a) to provide Vietnamese authors and licensors with a simple way to say what permissions and privileges they will allow others to have with the author's creative work; (b) to make it easy for Vietnamese people to share or build upon creative work; and (c) to make it possible for Vietnamese creators and licensors to reserve some rights while releasing others. Creative Commons (<http://creativecommons.org/>) is an international organization whose activities include assistance in establishing ways to protect intellectual property rights of open courseware authors.

VEF has committed resources for the VOCW pilot project, encompassing 2006 – 2008 (Appendix 24). The following tasks were completed by VEF during the present reporting period from October 1, 2006, to September 30, 2007:

- Sent the VEF Technical Director of IT and OCW to Rice University for three months for Training on the Rice University Connexions software.
- Formed three groups of Vietnamese experts, which included 30 faculty members and researchers, to develop content for 24 courses in three fields of study: electrical engineering, computer science, and biotechnology.
- Customized and developed the Connexions software for the Vietnam OCW website.
- Set up three data centers³ in each of the following cities: in Hanoi (VASC office), in Danang (VASC Danang), and in Ho Chi Minh City (VASC Ho Chi Minh City),
- Installed cache servers on loan from VEF at 15 Vietnamese universities, who are members of the VOCW project.
- Provided training for network administrators at the member universities on how to maintain the cache servers and how to use the Connexions software tools.
- Supported the VEF Technical Director of IT and OCW to participate in the international OCW Consortium Meeting in Santander, Spain, in May 2007.
- Arranged for the Creative Commons license to be transported into the Vietnamese environment.
- Organized a public relations campaign to raise the awareness of VOCW in Vietnam, which included a press campaign, TV shows, talks, and public presentations.

In addition, in cooperation with the Ministry of Education and Training, VEF organized workshops for the Vietnamese VOCW content developers on content design and evaluation, which were held in Hanoi and Ho Chi Minh City and conducted by Dr. Phillip Doughty of Syracuse University. Specifically, the workshops, entitled *Workshops on Course Design and Evaluation for Vietnam OpenCourseWare*, were held on June 14 – 15, 2007, in Hanoi and on

³ A data center is defined as a group of servers, which connect to local servers. In this case, each of the three centers in Vietnam will connect to a specified number of servers located at nearby regional universities. In addition, each data center serves internet users at that location.

June 18 – 19, 2007, in Ho Chi Minh City (Appendix 25). The purpose of the workshops was multifold:

1. To equip Vietnamese experts with necessary skills and guidelines to use the MIT courses and Rice University Connexions tools for the purpose of designing and developing courses for VOCW;
2. To finalize the criteria to evaluate the course content developed; and
3. To share experience in designing, developing, and delivering developed courses using OER.

As a follow-up to the workshop, select U.S. experts in the same field provided feedback by email to the Vietnamese course developers about each course sponsored by VEF as an added measure of quality control.

Regarding the future of VOCW, VEF has developed the VOCW project as a pilot with the intent to pass on the project and the VOCW website to a Vietnamese government or academic entity. The outcomes of VOCW are seen as beneficial to VEF Fellows, who will eventually return to Vietnam and will be able to have easy access to resources available at the VOCW website.

VIETNAMESE SPONSORS AND ORGANIZERS

During this reporting period, 33 Vietnamese organizations served as co-sponsors working closely with VEF to accomplish a multitude of activities, considered contributions of VEF to Vietnam (Appendix 26). These activities included the following: (1) helping to organize 19 lectures, 10 workshops, and 1 on-line interview; and (2) hosting 3 VEF-sponsored data centers and 12 VEF-sponsored local cache servers. The names of the specific Vietnamese organizations, which cooperated with VEF during the Fiscal Year 2007, are as follows:

1. Can Tho University
2. Hanoi National University of Education
3. Hanoi National University of Education, Faculty of Information Technology
4. Hanoi School of Public Health
5. Hanoi University of Agriculture
6. Hanoi University of Technology
7. Ho Chi Minh City (HCMC) University of Medicine and Pharmacy
8. HCMC University of Pedagogy
9. HCMC University of Pedagogy, Institute for Education Research
10. Hue University
11. Ministry of Education and Training (MOET)
12. Ministry of Science and Technology (MOST), National Institute for Science and Technology (S&T) Policy
13. Post and Telecommunications Institute of Technology
14. Thai Nguyen University
15. The University of Da Nang
16. Vietnamese Academy of Science and Technology (VAST), Institute of Biotechnology
17. VAST, Institute of Chemistry
18. VAST, Institute of Materials Science

19. VAST, Institute of Mathematics
20. VAST, Institute of Mechanics
21. VAST, Institute of Physics and Electronics
22. Vietnam Net
23. Vietnam National University (VNU) Hanoi, College of Technology
24. VNU Hanoi, University of Science
25. VNU Hanoi, University of Science, Faculty of Chemistry
26. VNU Hanoi, University of Science, Faculty of Mathematics, Mechanics, and Informatics
27. Vietnam National University - Ho Chi Minh City (VNU HCMC)
28. VNU HCMC, University of Natural Sciences
29. VNU HCMC, University of Natural Sciences, Faculty of Mathematics
30. VNU HCMC, University of Social Sciences & Humanities
31. VNU HCMC, University of Technology
32. VNU HCMC, University of Technology, Faculty of Applied Science
33. Water Resources University

VEF recognizes the importance of the cooperative support of co-sponsors, co-organizers, and hosting institutions that not only contribute to the success of VEF activities, but also help further the development of positive bi-national relationships between the United States and Vietnam. Thus, VEF promotes and appreciates such cooperation, leading to the success of the various VEF activities in Vietnam.

ADMINISTRATION AND PERSONNEL DEVELOPMENT

U.S. Headquarters Office

The VEF U.S. headquarters office in Arlington, Virginia, is in the Washington, D.C., area, thus allowing easy access to congressional and cabinet level board members. During this reporting period, several personnel matters occurred.

1. In February 2007, Dr. Van-Toi Vo, who had served as a member of the VEF Board of Directors since 2003, was appointed to be the second Executive Director. He presented his Strategic Plan (Appendix 27) to the Board of Directors at the April 13, 2007, Board Meeting and subsequently wrote an article (Appendix 28), published in the inaugural edition of *The ViPLOK Journal*, presenting VEF's achievements and his views of future directions for VEF.
2. Dr. Lynne A. McNamara was promoted to be Deputy Executive Director, having served as Acting Executive Director in the interim after the resignation in July 2006 of the first VEF Executive Director, Mr. Kien Pham.
3. In April 2007, Ms. Kari Gazdich, Program Officer, was approved on a trial basis to change to part-time status and to work a minimum of 20 hours per week (50% time) from a remote site, specifically her home in Pittsburgh, Pennsylvania.
4. In April 2007, Ms. Julie Parker, Director of Finance, Accounting, and Administration, resigned to return to her former position at the National Academies, and in May 2007, Ms. Lana Walbert was selected to fill this position.

Hanoi Field Office

While working closely with the U.S. Embassy and Consular Offices in Hanoi and Ho Chi Minh City, VEF is located separately and able to function independently in a professional office building in Hanoi, allowing easy access to the Vietnamese, the primary populace served by VEF. During this reporting period, the major personnel event was the appointment in April 2007 of the first VEF Country Director, Dr. Phuong Nguyen, to serve as the head of the Hanoi office.

In addition, in May 2007 two other individuals were appointed to fill positions:

1. Ms. Le Nguyen was appointed Program Assistant for the Fellowship Program to replace Ms. Hoa Bui, who had been promoted to Program Manager for the Fellowship Program; and
2. Ms. Phuong Tran was appointed Administrative Assistant to replace Ms. Huyen Le, who had been promoted to Assistant Director, Finance and Administration.

In July 2007, Ms. Giang Nguyen, Senior Program Assistant for the Seminars and Projects Program, resigned, and advertising commenced to fill the position.

Staff Development

Annually, VEF holds a **staff retreat** for 2-3 days following the summer Interview Mission (the oral exam/interview of finalists for the VEF Fellowship). At that time, all the U.S. staff is in Vietnam, offering an opportune time to hold the retreat.

This year the staff retreat took place August 14-16, 2007, in Phu Quoc and included the following:

- ✓ Evaluation of the overall management and execution of the summer Mission;
- ✓ Planning for upcoming program activities; and
- ✓ Review of the items in the 360° personnel evaluation form to be completed in fall 2007.

Select VEF Hanoi staff members **travel to the United States once per year** for multiple purposes:

1. To assist with, and participate in, the VEF Annual Fellows and Scholars Conference;
2. To visit U.S. universities and organizations relevant to VEF's work;
3. To meet with U.S. staff at the U.S. headquarters office;
4. To receive training from the U.S. staff; and
5. To participate in relevant training programs, as needed.

In January 2007, three Hanoi office staff and the VEF representative in Ho Chi Minh City travelled to the U.S. to assist with the Conference and to visit the U.S. headquarters.

In addition, the VEF **U.S. headquarters' staff traveled to Vietnam** for several 2-3 week periods to oversee the administration of the Hanoi office and to develop and guide the management of VEF activities. To economize on travel, typically U.S. senior staff travels to

Vietnam at the time of a scheduled activity, thus allowing for senior staff presence at the activity.

In summary, despite the physical distance and time difference between the United States and Vietnam, **the two offices function exceptionally well** together. Daily communication is conducted via email, direct phone calls, conference calls, and internet chat and calls. The U.S. senior staff establishes strategies, finalizes policies and procedures, and reviews final documents. The Hanoi staff manages VEF activities in Vietnam with oversight and approval by the U.S. office. Even though there has been staff turnover, VEF management remains strongly focused on quality, efficiency, and performance.

FINANCE AND ACCOUNTING

Financially, VEF has **operated within budget** this year as it has in all previous years. VEF receives \$5 million annually from the Vietnam Debt Repayment Fund, to which the Vietnamese government repays the pre-1975 debts owed to the United States by South Vietnam. As of the end of fiscal year 2006, VEF showed a positive balance due to the carryover amount from previous fiscal years along with savings achieved by VEF. Any balances are to become fully obligated during the next years as VEF continues to manage its programs and implement or conclude its various projects while costs continue to increase as a result of annual inflation.

For FY 2007, VEF received its full funding amount of \$5.0 million. Adding these appropriated funds to the carryover amount from previous fiscal years of \$5.6 million, VEF had a total of \$10.6 million available for obligations in FY 2007. **To achieve its goals for FY 2007, VEF had an approved budget of \$7.4 million**, authorized by the VEF Board of Directors at its December 1, 2006, Board meeting. Of the total obligations, \$3.6 million was obligated for the estimated 2007-2008 academic year costs for VEF's 201 Fellows while \$1.7 million was obligated for other VEF programs and operations. Because of the fixed cost-sharing arrangements with U.S. universities, VEF is obligated to pay to a host university a grant of \$27,000 for each of the first two years of graduate school for each new Fellow while the university supplements this VEF grant in order to cover all required academic and living expenses.

At the request of VEF for further clarification of the language in the VEF legislation, which states that VEF can receive donated or bequeathed money and other property, VEF legal counsel, Ms. Lesley Wilson, confirmed in May 2007 that, according to the Office of Legal Counsel of the U.S. Department of Justice, VEF is **authorized to do fundraising**. The final opinion stated specifically that “the express statutory authority contained in a statute to accept gifts includes the implied authority to solicit gifts.”⁴ In July 2007, as a consequence, the VEF Board of Directors established a Fundraising Committee consisting of Malcolm Gillis as the Interim Chair and four additional board members: Trung Dung, Frank Jao, Marilyn Pattillo, and Dick Wall. To be able to accept funds, VEF set up a means by which monies can be received through a special VEF account at the General Services Administration (GSA).

⁴ May 11, 2007, Memorandum for Dr. Vo Van Toi, Executive Director, Vietnam Education Foundation, from Lesley P. Wilson, Senior Assistant General Counsel, General Law Division (LG), U.S. General Services Administration, Office of General Counsel. Subject: Authority to Solicit Donations.

In planning for the future, during the annual budget discussions at the July 2007 Board of Directors meeting, the VEF Director of Finance, Accounting, and Administration submitted a budget projection showing that, in spite of conservative and judicious spending, VEF would run into a deficit in 2009, if it continued with the current rate of spending. Therefore, VEF proposed multiple cuts in the FY 2008 budget (October 1, 2007 – September 30, 2008), including a reduction in the number of Fellows to 35 per year instead of 40 per year, elimination of several capacity-building projects, and a reduction or elimination of other programs. However, given the ability of VEF to raise funds, the Board decided to keep the number of Fellows at 40 and to keep several programs, including the Visiting Scholar Program and the newly proposed U.S. Faculty Scholar Grant Program. This latter program, which began advertising in December 2007, is mandated in the VEF legislation and provides for U.S. professors to teach in Vietnam. Based on the expectation that fundraising would provide additional funds for activities, to achieve VEF goals **for FY 2008, the VEF Board of Directors approved a budget of \$7.8 million** during its annual budget review in July 2007.

To assist in financial matters, VEF **contracts the U.S. General Services Administration (GSA)** to carry out essential support functions, including payroll for the U.S. office staff, accounting, and legal services. VEF uses accrual accounting in accordance with the U.S. Office of Management and Budget (OMB) policies on federal government financial management. Using this accounting method, revenues are recognized when earned, and expenses are recognized when a liability is incurred, without regard to receipt or payment of cash.

Regarding oversight of VEF's financial condition, at the time of this report per OMB's requirements, an **annual financial audit** was under way, performed by Martin & Wall, C.P., Certified Public Accountants, located in Washington, D.C.

In August 2007, VEF was granted by the Vietnamese government the official designation of the **status of an Official Development Assistance (ODA) agency** (Appendix 29). This ODA status is meant to facilitate even greater areas of cooperation between VEF and the Vietnamese government, thus continuing to improve the relationship between the United States and Vietnam, as summarized in the press release issued by the U.S. Embassy in Vietnam (Appendix 30).

RELATIONSHIPS WITH GOVERNMENT ENTITIES

VEF continues to build positive relationships with various Vietnamese and U.S. government entities both in Vietnam and in the United States. Regarding public relations with Vietnamese government entities, of historic significance was the first meeting between the **Vietnamese Prime Minister** Nguyen Tan Dung and VEF leadership (members of the Board of Directors and senior VEF staff), which took place in June 2007 in Hanoi, led by Dr. Malcolm Gillis, Chairman of the VEF Board of Directors. The VEF Executive Director also had an opportunity to speak with the Prime Minister in September 2007 upon the occasion of his visit to the United States to celebrate the designation of Vietnam as a non-permanent member of the United Nations Security Council.

During this reporting year, various working meetings were held between the VEF Executive Director and Professor Nguyen Thien Nhan, the new Vietnamese **Deputy Prime Minister**, who continues also to serve as the Minister of Education and Training, resulting in an increase in mutual understanding and support. Additionally, in June 2007, the VEF Executive Director and the Deputy Executive Director participated in a forum on higher education in Vietnam held at The New School in New York, hosting Mr. Nguyen Minh Triet, **President of Vietnam**, as guest speaker. The Executive Director also met in person in Hanoi with **General Vo Nguyen Giap**, Viet Minh Supreme Commander during the Vietnam War, who expressed his strong support of VEF activities.

Within the American government, VEF continues to expand its relationship with the U.S. Embassy in Vietnam. VEF leadership met in Vietnam with **U.S. Ambassador** Michael Marine in June 2007 to review matters of mutual interest, particularly in light of the retirement of Ambassador Marine in August 2007, and also met with James Warren, Public Affairs Officer, and with Kenneth Fairfax, Consul General in Ho Chi Minh City. In addition, VEF met with John Aloisi, Deputy Chief of Mission, U.S. Embassy, during his visit to the U.S. together with the Vietnam Desk Officer, Brett Blackshaw, who sits in the Office of Mainland Southeast Asia in the Department of State. Continuing further outreach initiatives, during this reporting period, the Executive Director and VEF staff of the U.S. office met not only with two **congressional members** of the VEF Board of Directors (Senator Jim Webb and Congressman Earl Blumenauer), but also with two members of the staff of the U.S. Senate Foreign Relations Committee (Frank Jannuzi, staff member of Senator Joseph Biden, and Keith Luse, staff member of Senator Richard Lugar). The purpose of these visits was to provide an update on the missions and accomplishments of VEF.

Finally, the VEF field office in Hanoi, Vietnam, received multiple visitors, including Brett Blackshaw, several VEF Board members, representatives of several U.S. universities, and distinguished guests from the Vietnamese government.

CONCLUSION

Through its high quality activities and programs under the direction and oversight of extremely capable staff, VEF continues to build a solid record of success while keeping within budget requirements. Through the excellent work of the Vietnam Education Foundation, positive relationships between the United States and Vietnam have been created and continue to grow in the government sector and in academia. Besides building fundamental relationships between Vietnamese emerging scientists and U.S. academic institutions and faculty, the long-term benefits of VEF efforts will steadily grow as more VEF Fellows graduate and return to Vietnam and as VEF Visiting Scholars return to their positions in Vietnam. In the meantime, VEF continues to contribute to the development of science and technology in Vietnam through the numerous beneficial activities of the Seminars and Projects Program.

At the international political level, because of its excellent relationship with the Vietnamese government, VEF is an effective foreign policy tool to promote U.S. national interests regarding Vietnam and to bring Vietnam and the United States closer together. VEF can continue to move

forward confidently as a high quality, well-respected, internationally recognized educational exchange program that serves as a catalyst for superb development of science and technology in Vietnam and for the continual opening of positive relationships between the people of the United States and of Vietnam.

* * * * *

APPENDICES

APPENDIX 1
Vietnam Education Foundation Board of Directors
As of September 2007

Malcolm Gillis, Ph.D. – Chairman
Zingler Professor of Economics
Rice University

Earl Blumenauer
U.S. Congressman

Trung Dung
Founder & Chairman
BlueKey Services

Frank Jao
President and CEO
Bridgecreek Development Company

Marilyn M. Pattillo, Ph.D.
Professor of Clinical Nursing
University of Texas, Austin

Henry M. Paulson, Jr.
U.S. Secretary of Treasury

Joe Pitts
U.S. Congressman

Condoleezza Rice, Ph.D.
U.S. Secretary of State

Margaret Spellings
U.S. Secretary of Education

David Vitter
U.S. Senator

Richard J. Wall, J.D.
Managing Partner
O'Donnell, Waiss, Wall & Meschke

Jim Webb
U.S. Senator

APPENDIX 2
Vietnam Education Foundation Staff
As of September 2007

After listing the head of each office, VEF staff is listed alphabetically by last name.

VEF U.S. Headquarters Office: Arlington, VA

Van-Toi Vo, Ph.D.

Executive Director

Kari Gazdich

Program Officer

Lynne A. McNamara, Ph.D.

Deputy Executive Director

Lana Walbert

Director of Finance, Accounting, & Administration

VEF Vietnam Field Office: Hanoi

Phuong Nguyen, Ph.D.

Country Director

Hoa Bui

Program Manager

Ly Huynh

Program Manager

Huyen Le

Assistant Director, Finance & Administration

Tu Ngo

IT System Expert

Le Nguyen

Program Assistant

Long Nguyen

Chief of Staff

Hung Tran

Technical Director, IT and OCW

Phuong Tran

Administrative Assistant

APPENDIX 3

Graduates as of September 2007 (28)

Summary: 28 VEF Fellows have completed graduate degrees: 4 doctoral degrees, 23 master's degrees, and 1 professional degree. As displayed in the table below, of these 28 graduates, **eleven (11)** are continuing their academic program in the United States by pursuing Academic Training (AT) under VEF visa sponsorship. **Fifteen (15)** graduates have returned to Vietnam: eight (8) are working in the corporate sector; four (4) have positions involved in research; one (1) is involved in university teaching; one (1) is heading his own research and training center; and one (1) is heading his own private company. The **remaining two (2)** graduates have continued on to doctoral programs in the United States, but without VEF sponsorship. Fellows are listed first in the chronological order of the term that they graduated and then alphabetically by last name and then first name.

No.	LAST	Middle	First	Gender	Cohort	University	Department	Degree	Term Graduated	Present Status
Graduates - Doing Academic Training (AT) in the United States (11)										
1	DAU	Hong	Ngoc	M	2004	University of Illinois at Urbana-Champaign	Civil and Environmental Engineering	Master's	Spring 06	AT at Golder Associates Inc., a private company, as a Geotechnical Engineer, Level 2, from June 2006 to Dec. 2007.
2	PHAM	Thi Minh	Tam	F	2004	University of Illinois at Urbana-Champaign	Computer Science	Master's	Spring 06	AT at Coordinated Science Laboratory, UIUC, as a Software Engineer from June 2007 to Sep. 2007.
3	HOANG	Minh	Duc	M	2004	Columbia University	Electrical Engineering	Prof. Degree	Summer 06	AT at SAC Capital Advisors, LLC, a private company, as a Developer from Jan. 2007 to Feb. 2008.
4	VU	Viet	Anh	M	2004	Columbia University	Electrical Engineering	Master's	Summer 06	AT at Tervela Inc in New York as a Consultant from Sep. 2006 to Jan. 08.
5	HUYNH	Kim	Lam	M	2003	University of Utah	Chemistry	Ph.D.	Spring 07	Finished his Ph.D. in Feb. 2007 and is doing AT in the Department of Mechanical Engineering, University of Michigan, as a Research Fellow, from Apr. 2007 to Mar. 2008.
6	BUI	My	Hanh	F	2003	University of Pennsylvania	Dental Medicine	D.MD	Summer 07	AT at Smilebuilderz, a private company, as a General Dentist Associate from July 2007 to July 2008.
7	LE	Thanh	Nam	M	2005	New York University	Computer Science	Master's	Summer 07	AT at Innovative Solutions Consulting, Inc, a private company, as an IT consultant, from June 2007 to Dec. 2008.
8	LE		Quoc	M	2004	University of Illinois at Urbana-Champaign	Computer Science	Master's	Summer 07	AT at Cazoodle Inc, a private company, as a Lead Software Engineer, from May 2007 to Aug. 2008.

No.	LAST	Middle	First	Gender	Cohort	University	Department	Degree	Term Graduated	Present Status
9	NGUYEN	Thanh	Hai	M	2005	Rutgers University	Computer Science	Master's	Summer 07	AT at Fabkom, Inc, a private company, as a Computer Programmer, from June 2007 to Nov. 2008.
10	PHAM	Sy Minh	Hoang	M	2005	University of California, Berkeley	Civil Engineering	Master's	Summer 07	AT at ESE Consulting Engineers Inc., as a Structural Engineer, from May 2007 to Nov. 2008.
11	TRINH	Thi Kim	Chi	F	2004	University of Illinois at Urbana-Champaign	Computer Science	Master's	Summer 07	AT at Secureworks, a private company, as a Quality Assurance Engineer, from June 2007 to Dec. 2008.
Graduates - Returned to Vietnam (15)										
Those positions involved in research (4) are highlighted in grey.										
1	NGUYEN	Manh	Tuong	M	2003	State University of New York at Buffalo	Computer Science and Engineering	Master's	Spring 05	Working for Cisco System Vietnam, Ltd., in Hanoi, as a Technical Consultant.
2	NGUYEN	Quoc	Viet	M	2003	Ohio University	Mathematics	Master's	Spring 05	Working for Golden Bridge Financial Corporation in Hanoi, as a Senior Manager.
3	NGUYEN	Truong	Giang	M	2004	Carnegie Mellon University	Information Systems Management	Master's	Fall 05	Working for Nortel, a company in Hanoi delivering communications capabilities, as an Information System Manager.
4	NGUYEN	Thanh	Son	M	2003	State University of New York at New Paltz	Computer Science and Math	Master's	Fall 05	Running a private company in Hanoi (Equest) providing international education consultation and short training courses, such as TOEFL and GRE courses. Position: CEO.
5	NGO	Duc	Anh	M	2004	University of Texas at Houston	Health Education/ Health Promotion	Doctor of Public Health	Spring 06	Working for Health Policy Project-University of Queensland in Hanoi, as a Research Fellow.
6	NGUYEN	Thi Bich	Lan	F	2004	University of Michigan at Ann Arbor	Industrial and Operations Engineering	Master's	Spring 06	Working for ACNielsen company in Ho Chi Minh City, a leading company in market research, information and analysis, as a Measurement Science Assistant.
7	VU	Hoang	Ha	M	2004	Carnegie Mellon University	Information Systems Management	Master's	Spring 06	Working for VN Direct Securities Corporation in Ho Chi Minh City, as an Analyst.

No.	LAST	Middle	First	Gender	Cohort	University	Department	Degree	Term Graduated	Present Status
8	NGO	Trung	Thanh	M	2004	University of Illinois at Urbana-Champaign	Computer Science	Master's	Fall 06	Teaching Information Technology at the Royal Melbourne Institute of Technology (RMIT) in Ho Chi Minh City.
9	NGUYEN	Cong	Khanh	M	2004	Johns Hopkins University	Public Health	Master's	Fall 06	Working for the National Institute of Hygiene and Epidemiology (NIHE) in Hanoi, as a Research Scientist.
10	VUONG	Quang	Khai	M	2005	Columbia University	Computer Science	Master's	Fall 06	Working for Vinagame in Ho Chi Minh City, a company providing online games, as a Product Manager.
11	DINH	Lan	Phuong	F	2004	University of Illinois at Urbana-Champaign	Electrical Engineering	Master's	Spring 07	Working in the International Relations office, Saigon Post and Telecommunications Services Corporation in Ho Chi Minh City, as a Project Manager.
12	CAO	Do Xuan	Uyen	F	2005	Purdue University	Industrial Engineering	Master's	Summer 07	Working for Technology Resources Vietnam in Ho Chi Minh City, an independent provider of Business management solutions, as a Consultant.
13	PHAM	Thi An	Chau	F	2005	Duke University	Environment and Earth Sciences	Master of Env. Mgmt.	Summer 07	Working for the Center for Environmental Research and Education in Hanoi, as an Environmental Scientist.
14	PHAM	Hong	Phuong	M	2004	Stanford University	Chemical Engineering	Master's	Summer 07	Working for Petrovietnam General Services Joint Stock Corporation in Ho Chi Minh City, as a Chemical/Project Engineer.
15	TRINH	Van	Thang	M	2004	University of North Carolina at Chapel Hill	Health Behavior and Health Education	Ph.D.	Summer 07	Established the Center for Promotion of Advancement of Society in Hanoi, which conducts research and provides training and consultancies in Public Health. Position: Vice - Director.

No.	LAST	Middle	First	Gender	Cohort	University	Department	Degree	Term Graduated	Present Status
Graduates - Continuing on to U.S. Doctoral Programs with Other Sources of Funding (2)										
1	BACH	Hung	Nguyen	M	2003	Johns Hopkins University	Computer Science	Master's	Spring 05	Completed a Master's in Computer Science (CS) under VEF sponsorship. Continued on to Ph.D. program in CS at Carnegie Mellon University in the U.S. with other sources of funding.
2	VU	Toan	Thang	M	2004	University of Michigan at Ann Arbor	Electrical Engineering and Computer Science	Master's	Spring 06	Completed a Master's in Electrical Engineering (EE) under VEF sponsorship. Continued on to Ph.D. program in EE at Texas A&M University in the U.S. with other sources of funding.

APPENDIX 4

Names of 201 VEF Fellows Enrolled in U.S. Universities as of Fall 2007 Cohort 1 (2003), Cohort 2 (2004), Cohort 3 (2005), Cohort 4 (2006), Cohort 5 (2007)

The table below is organized alphabetically according to the Vietnamese order of the name: Last (Family), Middle, First (Given). Thus, the list is ordered first by the last name, then by the middle name, and finally by the first name. The cohort designation is listed according to the fall that the Fellow began graduate school. Thus, Cohort 1 (2003) is the first VEF cohort, which began graduate studies in the fall of 2003.

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
1	BUI	Cong	Thanh	M	University of Texas at Houston	Public Health	DPH	2004
2	BUI	Duy	Bach	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2005
3	BUI	Kien	Cuong	M	University of Iowa	Computer Science	PhD	2006
4	BUI	Nguyen	Dai	M	University of California at Berkeley	Electrical Engineering	PhD	2007
5	BUI	Quang	Vinh	M	Emory University	Public Health	PhD	2006
6	BUI	Trung	Ngoc	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2005
7	BUI	Xuan	Loc	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
8	CAO	Duy Chi	Trung	M	University of Pennsylvania	Chemistry	PhD	2007
9	CHUNG	Bac	Ai	M	Columbia University	Civil Engineering	PhD	2006
10	DANG	Dinh	Thi	M	University of Florida	Mechanical Engineering	PhD	2003
11	DANG	Huy	Cuong	M	Brown University	Physics	PhD	2004
12	DANG	The	Hung	M	Columbia University	Physics	PhD	2007
13	DANG	Thi La	Thu	F	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2005
14	DANG	Van	Chinh	M	University of Texas at Houston	Public Health	PhD	2004
15	DANG	Xuan	Ha	M	Virginia Polytechnic Institute and State University	Computer Science	PhD	2007
16	DINH	Ba	Thang	M	University of Southern California	Computer Science	PhD	2006
17	DINH	Huu	Hai	M	University of Michigan at Ann Arbor	Civil Engineering	PhD	2004
18	DINH	Sy	Quang	M	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/PhD	2005
19	DO	Ba	Thanh	M	University of Michigan at Ann Arbor	Materials/Metallurgical Engineering	PhD	2004
20	DO	Dang	Khoa	M	University of Texas at Austin	Mechanical Engineering	PhD	2005
21	DO	Duc	Hanh	M	University of California at Berkeley	Mathematics	PhD	2005
22	DO	Thanh	Dat	M	Michigan State University	Physics	PhD	2007

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
23	DO	Tien	Anh	M	University of South Florida	Environmental Engineering	PhD	2004
24	DO	Trung	Thong	M	Johns Hopkins University	Electrical Engineering	PhD	2004
25	DO	Xuan	Quang	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2005
26	DUONG	Le	Nam	M	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/Ph D	2005
27	DUONG	Thi	Hao	F	University of Texas at Houston	Public Health	DPH	2004
28	DUONG	Tuan	Hung	M	University of Illinois at Urbana - Champaign	Chemistry	PhD	2004
29	GIANG	Thanh	Ha	F	California Institute of Technology	Mechanical Engineering	MS/Ph D	2006
30	GIANG		Hoa	M	University of Pennsylvania	Biological/Life Sciences	PhD	2006
31	HA	Anh	Duc	M	Boston University	Public Health	DPH	2006
32	HA	Huu	Toan	M	University of Texas at Houston	Public Health	DPH	2004
33	HA	Khanh	Linh	M	University of Utah	Computer Science	PhD	2005
34	HA	Manh	Hung	M	Case Western Reserve University	Materials/Metallurgical Engineering	PhD	2005
35	HA	Thanh	Trung	M	University of Florida	Mathematics	PhD	2007
36	HAN	Huy	Dung	M	University of California at Davis	Electrical Engineering	PhD	2007
37	HOANG	Kim	Chi	F	Iowa State University	Environmental Engineering	PhD	2004
38	HOANG	Manh	Quang	M	Princeton University	Mathematics	PhD	2004
39	HOANG	Phuong	Chi	F	University of Texas at Austin	Environmental Engineering	PhD	2005
40	HOANG	Thanh	Son	M	University of Texas at Austin	Chemical Engineering	PhD	2007
41	HUYNH	Ngoc	Tuyen	M	University of Texas at Austin	Computer Science	PhD	2005
42	HUYNH	Tien	Phong	M	Rutgers University	Chemical Engineering	PhD	2004
43	HUYNH-NGOC		Dang-Trinh	M	University of Washington	Computer Science	PhD	2006
44	KHIEU	Huu	Loc	M	University of Michigan at Ann Arbor	Aerospace Engineering	PhD	2004
45	KIEU	Quoc	Chanh	M	University of Maryland at College Park	Earth, Ocean, and Atmospheric Sciences	PhD	2003
46	LA	Nguyen Hung	Chinh	M	University of Illinois at Urbana - Champaign	Electrical Engineering	Master's	2004
47	LE	Bao	Trung	M	University of Minnesota	Civil Engineering	PhD	2006
48	LE	Chi	Ngoc	M	University of California at Los Angeles	Mathematics	PhD	2007
49	LE	Ha	Mi	F	University of Missouri at Columbia	Agricultural Science	MS/Ph D	2006
50	LE	Hoai	Chau	M	University of Illinois at Urbana - Champaign	Civil Engineering	PhD	2004

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
51	LE	Hoang	Anh	M	New York University	Computer Science	PhD	2005
52	LE	Hoang	Tung	M	Purdue University	Industrial Engineering	PhD	2003
53	LE	Khac	Hieu	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2004
54	LE	Ngoc	Anh	M	University at Buffalo, the State University of New York	Computer Science	PhD	2003
55	LE	Quang	Binh	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2006
56	LE	Quang	Nam	M	New York University	Mathematics	PhD	2004
57	LE	Ro	To	M	Brown University	Electrical Engineering	PhD	2007
58	LE	Thi	Ly	F	University of Utah	Chemistry	PhD	2004
59	LE	Thi Ngoc	Huong	F	University of Minnesota	Chemical Engineering	PhD	2006
60	LE	Thu	Ha	F	University of Texas at Austin	Electrical Engineering	PhD	2004
61	LE	Truong	Son	M	Brown University	Physics	PhD	2007
62	LE	Tung	Linh	M	Columbia University	Chemical Engineering	MS/PhD	2007
63	LE	Van	Hoa	M	University of North Carolina at Chapel Hill	Public Health	PhD	2005
64	LE	Van	Vuong	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2007
65	LE	Viet	Thang	M	Rutgers University	Computer Science	PhD	2004
66	LE		Tiendung	M	University of Texas at Austin	Civil Engineering	PhD	2005
67	LE		Tung	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
68	LUONG	Viet	Nhiem	M	University of Texas at Houston	Public Health	DPH	2004
69	LUU	Nguyen	Hung	M	University of Texas at Houston	Public Health	PhD	2007
70	NGHIEM	Xuan	Truong	M	University of Pennsylvania	Electrical Engineering	PhD	2005
71	NGO	Kien	Cuong	M	University of Florida	Mathematics	PhD	2007
72	NGO	Minh	Duc	M	University of Illinois at Urbana - Champaign	Mechanical Engineering	PhD	2004
73	NGUYEN	Binh	Nguyen	M	University of California at Los Angeles	Public Health	MS/PhD	2007
74	NGUYEN	Chi	Kien	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
75	NGUYEN	Cong	Nghia	M	University of North Carolina at Chapel Hill	Public Health	PhD	2004
76	NGUYEN	Cuong	Quoc	M	University of North Carolina at Chapel Hill	Public Health	PhD	2004
77	NGUYEN	Dac	Trung	M	University of Michigan at Ann Arbor	Chemical Engineering	PhD	2005
78	NGUYEN	Dong	Giang	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2003

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
79	NGUYEN	Duc	Dung	M	Northeastern University	Electrical Engineering	PhD	2003
80	NGUYEN	Duc	Linh	M	Cornell University	Physics	PhD	2005
81	NGUYEN	Duy	Long	M	University of California at Berkeley	Civil Engineering	PhD	2004
82	NGUYEN	Giao	Hoa	M	University of Utah	Chemistry	PhD	2003
83	NGUYEN	Ha Hue	Chi	F	Emory University	Public Health	MPH	2007
84	NGUYEN	Hai	Anh	F	University of Massachusetts at Amherst	Environmental Engineering	PhD	2005
85	NGUYEN	Hoang	Anh	M	University of California at San Diego	Electrical Engineering	PhD	2007
86	NGUYEN	Hoang	Nam	M	University of Illinois at Urbana - Champaign	Physics	PhD	2004
87	NGUYEN	Hong	Tam	M	University of Illinois at Urbana - Champaign	Civil Engineering	PhD	2004
88	NGUYEN	Hong Nha	Tran	F	University of Missouri at Columbia	Agricultural Science	PhD	2006
89	NGUYEN	Huu	Quang	M	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/PhD	2006
90	NGUYEN	Kieu	Cuong	M	Brown University	Physics	PhD	2003
91	NGUYEN	Kim Nu	Thao	F	University of Utah	Biological/Life Sciences	PhD	2006
92	NGUYEN	Le	Luc	M	Rutgers University	Mathematics	PhD	2004
93	NGUYEN	Linh	Vu	M	University of California at Davis	Environmental Engineering	PhD	2006
94	NGUYEN	Manh	Ha	M	University of Colorado at Denver	Biological/Life Sciences	PhD	2005
95	NGUYEN	Minh	Anh	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2007
96	NGUYEN	Minh	Hien	F	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
97	NGUYEN	Ngoc	Bao	M	University of Maryland at College Park	Computer Science	PhD	2007
98	NGUYEN	Ngoc	Diep	M	University of California at San Diego	Electrical Engineering	PhD	2006
99	NGUYEN	Quang	Hoang	M	University of Massachusetts at Amherst	Civil Engineering	PhD	2004
100	NGUYEN	Quang	Huy	M	Iowa State University	Environmental Engineering	PhD	2003
101	NGUYEN	Quang	Huy	M	University of Missouri at Columbia	Environmental Engineering	PhD	2007
102	NGUYEN	Quang	Nghia	M	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/PhD	2005
103	NGUYEN	Quoc	Minh	M	Georgia Institute of Technology	Computer Science	PhD	2004
104	NGUYEN	Quy	Ha	M	Massachusetts Institute of Technology	Electrical Engineering	PhD	2007
105	NGUYEN	Sy	Phong	M	Texas A&M University	Electrical Engineering	PhD	2006
106	NGUYEN	Tan	Chung	M	University of Florida	Environmental Engineering	PhD	2007

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
107	NGUYEN	Tan-Minh	Duc	M	University of Texas at Houston	Public Health	PhD	2005
108	NGUYEN	Thai	Ha	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2003
109	NGUYEN	Thanh	Binh	M	Cornell University	Agricultural Science	PhD	2005
110	NGUYEN	Thanh	Hao	F	Texas A&M University	Mathematics	PhD	2006
111	NGUYEN	Thanh	Hoa	M	University of Utah	Computer Science	PhD	2004
112	NGUYEN	Thanh	Nam	M	Purdue University	Electrical Engineering	PhD	2006
113	NGUYEN	Thanh	Son	M	Massachusetts Institute of Technology	Physics	PhD	2004
114	NGUYEN	Thanh	Tuan	M	University of North Carolina at Chapel Hill	Public Health	PhD	2004
115	NGUYEN	Thanh	Tung	M	Iowa State University	Computer Science	PhD	2007
116	NGUYEN	The	Anh	M	Tufts University	Biomedical Engineering	PhD	2004
117	NGUYEN	Thi	Cac	F	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/PhD	2005
118	NGUYEN	Thi	Khoi	F	University of Illinois at Urbana - Champaign	Materials/Metallurgical Engineering	PhD	2005
119	NGUYEN	Thi	Luong Y	F	University of Texas at Houston	Public Health	MPH	2005
120	NGUYEN	Thi Hong	Hanh	F	University of Georgia	Biological/Life Sciences	Master's	2004
121	NGUYEN	Thi Hong	Thuy	F	Washington State University	Environmental Engineering	Master's	2007
122	NGUYEN	Thi Minh	Nguyet	F	University of Virginia	Computer Science	Master's	2004
123	NGUYEN	Thi Minh	Thao	F	University of Southern California	Earth, Ocean, and Atmospheric Sciences	PhD	2004
124	NGUYEN	Thi Quynh	Van	F	University of Illinois at Chicago	Public Health	PhD	2006
125	NGUYEN	Thi Thu	Thuy	F	University of Texas at Austin	Civil Engineering	PhD	2004
126	NGUYEN	Thi Thu	Trang	F	Tufts University	Biomedical Engineering	Master's	2004
127	NGUYEN	Thu	Ha	F	Emory University	Public Health	MPH	2007
128	NGUYEN	Tien	Dat	M	University of Iowa	Computer Science	PhD	2006
129	NGUYEN	Tien	Thang	M	Rutgers University	Electrical Engineering	PhD	2005
130	NGUYEN	Tri	Dung	M	Massachusetts Institute of Technology	Industrial Engineering	PhD	2004
131	NGUYEN	Trong	Dung	M	Johns Hopkins University	Electrical Engineering	PhD	2005
132	NGUYEN	Trung	Hieu	M	University of California at San Diego	Mathematics	PhD	2005
133	NGUYEN	Tuan	Nam	M	University of California at Los Angeles	Computer Science	PhD	2004
134	NGUYEN	Van	Giap	M	Auburn University	Agricultural Science	PhD	2005
135	NGUYEN	Van	Khiem	M	University of Utah	Chemistry	PhD	2006

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
136	NGUYEN	Van	Thang	M	University of Texas at Houston	Biological/Life Sciences	PhD	2004
137	NGUYEN	Van-Tien	Dung	M	Brown University	Physics	PhD	2005
138	NGUYEN	Viet	Hoang	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2004
139	NGUYEN	Viet	Hung	M	Arizona State University	Computer Science	PhD	2003
140	NGUYEN	Viet	Hung	M	University of California at Berkeley	Civil Engineering	PhD	2006
141	NGUYEN	Viet	Tu	M	University of California at San Diego	Electrical Engineering	PhD	2007
142	NGUYEN		Binh	M	Rensselaer Polytechnic Institute	Computer Science	PhD	2005
143	NGUYEN		Nam	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2005
144	NGUYEN HUU		Phuoc Nguyen	M	University of Michigan at Ann Arbor	Mechanical Engineering	PhD	2007
145	PHAM	Bao	Yen	F	University of North Carolina at Chapel Hill	Biological/Life Sciences	PhD	2004
146	PHAM	Duc	Nam	M	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
147	PHAM	Le Tuan	Anh	M	University of California at Berkeley	Environmental Engineering	PhD	2006
148	PHAM	Nguyet	Tu	F	University of Oklahoma	Chemistry	PhD	2006
149	PHAM	Thi Hoang	Van	F	Johns Hopkins University	Public Health	DPH	2004
150	PHAM	Thi Viet	Mai	F	University of Illinois at Urbana - Champaign	Environmental Engineering	Master's	2007
151	PHAM	Thuy	Trang	F	Duke University	Biological/Life Sciences	PhD	2007
152	PHAM	Tuan	Le	M	University of Texas at Austin	Civil Engineering	Master's	2007
153	PHAM	Tuan	Minh	M	University of Illinois at Urbana - Champaign	Physics	PhD	2004
154	PHAM	Tung	Anh	F	University of Illinois at Urbana - Champaign	Agricultural Science	MS/Ph D	2005
155	PHAM	Vinh	Hoa	M	University of Illinois at Urbana - Champaign	Electrical Engineering	MS/Ph D	2006
156	PHAN	Minh	Liem	M	University of Texas at Houston	Biological/Life Sciences	MS/Ph D	2005
157	PHAN	Thi Thu	Ha	F	University of Texas at Houston	Public Health	DPH	2004
158	PHAN	Thi Thu	Huong	F	University of Massachusetts at Amherst	Computer Science	MS/Ph D	2006
159	PHAN	Trieu	Giang	M	University of Hawaii at Manoa	Earth, Ocean, and Atmospheric Sciences	PhD	2003
160	QUACH	Ngoc	Truyen	M	University of Missouri at Columbia	Agricultural Science	PhD	2005

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
161	TA	Hoang	Hai	M	University of California at Davis	Electrical Engineering	PhD	2007
162	TANG	Thi Ha	Yen	F	University of California at Berkeley	Industrial Engineering	PhD	2007
163	THAN	Van	Cuong	M	Rice University	Computer Science	PhD	2005
164	TRAN	Anh	Phong	M	Brown University	Physics	PhD	2005
165	TRAN	Anh	Tuan	M	University of Illinois at Urbana - Champaign	Mechanical Engineering	PhD	2004
166	TRAN	Dai	Nghia	M	University of Hawaii at Manoa	Biological/Life Sciences	PhD	2003
167	TRAN	Duc	Duan	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2005
168	TRAN	Duc	Han	M	University of Texas at Austin	Mechanical Engineering	PhD	2004
169	TRAN	Duc	Trinh	M	University of Michigan at Ann Arbor	Environmental Engineering	PhD	2005
170	TRAN	Khanh	Van	F	University of Massachusetts at Amherst	Public Health	PhD	2006
171	TRAN	Le	Nhiem	M	Brown University	Physics	PhD	2006
172	TRAN	Le Hong	Du	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2006
173	TRAN	Ngoc Anh	Mai	F	University of Texas at Houston	Biological/Life Sciences	PhD	2007
174	TRAN	Nguyen Nhi	Thua	F	Cornell University	Environmental Engineering	PhD	2005
175	TRAN	Nguyen Thanh	Huong	F	University of Missouri at Columbia	Agricultural Science	Master's	2005
176	TRAN	Quoc	Long	M	Georgia Institute of Technology	Computer Science	PhD	2007
177	TRAN	Thanh	Phuong	M	Purdue University	Electrical Engineering	PhD	2007
178	TRAN	Thi Hoai	Thu	F	Case Western Reserve University	Biological/Life Sciences	PhD	2006
179	TRAN	Thi Lac	Thanh	F	University of Massachusetts at Amherst	Computer Science	MS/Ph D	2006
180	TRAN	Thien	Anh	M	University of California at Davis	Electrical Engineering	PhD	2006
181	TRAN	Van	Xuan	M	University of Michigan at Ann Arbor	Mechanical Engineering	PhD	2004
182	TRAN	Viet	Hung	M	University of Iowa	Computer Science	PhD	2007
183	TRAN		Cuong	M	University of California at San Diego	Computer Science	PhD	2006
184	TRAN		Phuong	M	University of Illinois at Urbana - Champaign	Mechanical Engineering	PhD	2004
185	TRINH	Nguyen	Hoang	M	Toyota Technological Institute - University of Chicago	Computer Science	PhD	2004
186	TRINH	Quy	Bon	M	University of Texas at Houston	Biological/Life Sciences	PhD	2004
187	TRINH	Thi	Hoa	F	University of Michigan at Ann Arbor	Environmental Engineering	PhD	2004

#	Last Name	Middle	First	Gender	University	Field of Study	Degree Sought	Cohort
188	TRUONG	Thanh	Tu	M	University of Illinois at Urbana - Champaign	Chemistry	PhD	2004
189	TRUONG	Trung	Kien	M	University of Texas at Austin	Electrical Engineering	PhD	2006
190	VAN	Tu	Anh	F	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
191	VO	Thi Kieu	Loan	F	University of Illinois at Urbana - Champaign	Electrical Engineering	PhD	2004
192	VO	Trung	Dung	M	University of California at San Diego	Electrical Engineering	PhD	2005
193	VU	Cao	Dat	M	Rutgers University	Computer Science	PhD	2005
194	VU	Chinh	Thien	M	University of Texas at Houston	Public Health	PhD	2004
195	VU	Dinh	Anh	M	University of Minnesota	Chemistry	PhD	2007
196	VU	Hai	Long	M	University of Illinois at Urbana - Champaign	Computer Science	PhD	2004
197	VU	Phuong	Ly	F	Sloan-Kettering Memorial Cancer Center	Biological/Life Sciences	PhD	2007
198	VU	Quang	Duy	M	Pennsylvania State University	Mathematics	PhD	2005
199	VU	Thi Hong	Hung	F	Clemson University	Biological/Life Sciences	Master's	2007
200	VU	Van	Van	M	University of Minnesota	Chemistry	PhD	2006
201	VUONG	Van	Thu	M	Cornell University	Biological/Life Sciences	PhD	2004

APPENDIX 5
U.S. Universities of 2003 - 2007 VEF Fellows
(Total: 201 Fellows as of September 2007)

SUMMARY: The 201 Vietnam Education Foundation 2003 - 2007 Fellows, enrolled as of September 2007, are attending the following 57 universities. Most (97%) are pursuing a doctorate degree while some (3%) are pursuing a master's degree. Females number 22% and males 78%. The major fields of study are divided between Sciences (58%) and Engineering (42%). Within those broad groupings are the following specific fields: Electrical Engineering (19%), Computer Science (18%), Public Health (11%), Biological/Life Sciences (7%), Environmental Engineering (7%), Civil Engineering (6%), Physics (6%), Chemistry (5%), Mathematics (5%), Mechanical Engineering (4%), Agricultural Sciences (4%), Chemical Engineering (3%) and Other Fields (5%)⁵. While the majority of universities are members of the VEF Alliance, in some cases the particular field of study is not included in the Alliance cost-sharing agreement⁶.

University	#	Division/Department of Program
Arizona State University	1	Computer Science and Engineering (1)
Auburn University (*)	1	Fisheries - Agricultural Economics (1)
Boston University (*)	1	International Health (1)
Brown University	7	Electrical Sciences and Computer Engineering (1); Physics (6)
California Institute of Technology	1	Mechanical Engineering (1)
Case Western Reserve University	2	Biology (1); Materials Science and Engineering (1)
Clemson University	1	Environmental Toxicology (1)
Columbia University	3	Chemical Engineering (1); Civil Engineering and Engineering Mechanics (1); Physics (1)
Cornell University	4	Agricultural and Biological Engineering (1); Applied Physics (1) (**); Crop and Soil Sciences (1); Molecular Biology and Genetics (1)
Duke University	1	Cell and Molecular Biology (1)
Emory University (*)	3	Biological and Biomedical Sciences (1); Epidemiology (2)
Georgia Institute of Technology	2	Computer Science (1); Computing Science and Systems (1)
Iowa State University	3	Agricultural and Biosystems Engineering (2); Electrical and Computer Engineering (1)
Johns Hopkins University	3	Electrical and Computer Engineering (2); International Health (1) (**)
Massachusetts Institute of Technology (*)	3	Electrical Engineering and Computer Science (1); Operations Research (1); Physics (1)
Memorial Sloan-Kettering Cancer Center (*)	1	Cancer Biology (1)
Michigan State University	1	Physics and Astronomy (1)
New York University (*)	2	Computer Science (1); Mathematics (1)
Northeastern University	1	Electrical and Computer Engineering (1)
Pennsylvania State University	1	Statistics (1)
Princeton University	1	Mathematics (1)

⁵ Other Fields include Industrial Engineering, Materials Science, Geography, Aerospace Engineering, and Atmospheric Sciences.

⁶ Notations:

(*) Not an Alliance School.

(**) Though this is an Alliance School, the particular field of study is not included in the agreement.

University	#	Division/Department of Program
Purdue University	3	Electrical and Computer Engineering (2); Industrial Engineering (1)
Rensselaer Polytechnic Institute	1	Computer Science (1)
Rice University	1	Computer Science (1)
Rutgers University	5	Chemical and Biochemical Engineering (1); Computer Science (2); Electrical and Computer Engineering (1); Mathematics (1)
Texas A&M University	2	Electrical and Computer Engineering (1); Mathematics (1)
Tufts University	2	Biomedical Engineering (2)
University at Buffalo	1	Computer Science and Engineering (1)
University of California, Berkeley	6	Civil and Environmental Engineering (3); Electrical Engineering and Computer Sciences (1); Industrial Engineering and Operations Research (1); Mathematics (1) (**)
University of California, Davis	4	Civil and Environmental Engineering (2); Electrical and Computer Engineering (2)
University of California, Los Angeles	3	Computer Science (1); Epidemiology (1) (**); Mathematics (1) (**)
University of California, San Diego	6	Computer Science and Engineering (1); Electrical and Computer Engineering (4); Mathematics (1)
University of Chicago (*)	1	Computer Science (1)
University of Colorado at Denver and Health Sciences Center	1	Cell and Developmental Biology (1)
University of Florida	4	Mathematics (1) (**); Mechanical Engineering (1); Natural Resources and Environment (1) (**); Statistics (1) (**)
University of Georgia	1	Ecology (1)
University of Hawaii at Manoa	2	Geography (1); Natural Resources and Environmental Management (1)
University of Illinois at Chicago (*)	1	Human Nutrition (1)
University of Illinois at Urbana – Champaign	41	Chemistry (2); Civil and Environmental Engineering (3); Computer Science (10); Crop Sciences (1); Electrical and Computer Engineering (19); Materials Science and Engineering (1); Mechanical and Industrial Engineering (1); Physics (2); Theoretical and Applied Mechanics (2)
University of Iowa	3	Computer Science (3)
University of Maryland at College Park (*)	2	Atmospheric and Oceanic Science (1); Computer Science (1)
University of Massachusetts, Amherst	5	Civil and Environmental Engineering (2); Computer Science (2); Nutrition (1)
University of Michigan at Ann Arbor	8	Aerospace Engineering (1); Chemical Engineering (1); Civil and Environmental Engineering (3); Materials Science and Engineering (1); Mechanical Engineering (2)
University of Minnesota	4	Chemical Engineering and Materials Science (1); Chemistry (2); Civil Engineering (1)
University of Missouri-Columbia	5	Civil and Environmental Engineering (1); Plant Sciences (4)
University of North Carolina at Chapel Hill	5	Biochemistry and Biophysics (1); Epidemiology (3); Nutrition (1)

University	#	Division/Department of Program
University of Oklahoma	1	Chemistry and Biochemistry (1)
University of Pennsylvania	3	Biology (1); Chemistry (1); Electrical and Systems Engineering (1) (**)
University of South Florida (*)	1	Environmental Engineering (1)
University of Southern California	2	Computer Science (1); Geography (1)
University of Texas at Austin	10	Aerospace Engineering and Engineering Mechanics (1); Chemical Engineering (1); Civil, Architectural and Environmental Engineering (4); Computer Sciences (1); Electrical and Computer Engineering (2); Mechanical Engineering (1)
University of Texas at Houston	14	Biomedical Sciences (1); Epidemiology (3); Health Promotion and Behavioral Sciences (4); Immunology (3); Management, Policy and Community Health (3)
University of Utah	6	Bioengineering (1); Chemistry (2); Computing (2); Physical Chemistry (1)
University of Virginia	1	Computer Science (1)
University of Washington	1	Computer Science and Engineering (1) (**)
Virginia Polytechnic Institute and State University	1	Genetics, Bioinformatics and Computational Biology (1)
Washington State University	1	Environmental Science and Regional Planning (1)

APPENDIX 6
Pre-Departure Orientation (PDO)
June 7- 13, 2007
Dalat and Ho Chi Minh City, Vietnam

DAY 1 – Thursday, June 7

7:30 am - 9:15 am	Hanoi group (about 45 persons) travels to Dalat <i>VN 277</i>
9:30 am - 10:30 am	Transfer Hanoi group from Lien Khuong Airport to Hoang Anh Resort <i>Bus arranged by Embers</i>
10:30 am	Hanoi group checks in Hoang Anh Resort
11:10 am - 11:55 am	HCMC group (about 10 persons) travels to Dalat <i>VN 464</i>
12:10 pm - 1:10pm	Transfer HCMC group from Lien Khuong Airport to Hoang Anh Resort <i>Bus arranged by Embers</i>
1:10 pm	HCMC group checks in Hoang Anh resort
5:30 pm	Issue Name Tag, T-shirt, Copy of Grant letter, Copy of Fellowship Termination policy, handouts, and PDO Allowance
6:00 pm	Overview of PDO and Leadership Training/Team Building <i>Dr. Lynne McNamara, Deputy Executive Director/Kari Gazdich, Program Officer, VEF</i>
6.30 pm	Dinner and Orientation for Leadership Training/Team Building – Get ready for the Dalat adventure! <i>Embers</i>

DAY 2 – Friday, June 8

All day	Leadership Training /Team Building Activities <i>Embers</i>
---------	--

DAY 3 – Saturday, June 9

All day	Leadership Training /Team Building Activities <i>Embers</i>
---------	--

DAY 4 – Sunday, June 10 **Travel to HCMC**

8:00 am	Farewell Breakfast <i>Arranged by Embers</i>
9:30 am	Check-out of Hoang Anh Resort
10:00 am – 4:00 pm	Whole group travels by bus back to HCMC <i>Buses stop for lunch at 12:30pm</i>

4:00 pm Hanoi group checks in Sofitel Saigon
Evening Open evening

DAY 5 – Monday, June 11 (*Diamond Hall B – Ground floor*)

8: 00 am **Registration/Breakfast for HCMC and Hanoi Fellows/Visiting Scholars (VS)** (outside the PDO rooms)
Issue white T-Shirt, Original Grant letter, DS 2019

9:00 am **Welcome**
Dr. Malcolm Gillis, Chairman, VEF Board of Directors
Mr. Richard Wall, Member, VEF Board of Directors
Dr. Van-Toi Vo, VEF Executive Director

9:15 am **VEF Grant Terms: Expectations**
(Topics to include funding, graduate assistantships, VEF policies)
Dr. Lynne McNamara, VEF Deputy Executive Director

10:30 am **Tea/Coffee Break**

10:45 am **Immigration Obligations/Maintaining Legal Status While Studying & Training in the U.S.**
(Topics to include full-time enrollment, travel, health insurance, and changing address)
Ms. Kari Gazdich, Program Officer

12:00 pm **Buffet Lunch** (*Cafe Rivoli – 2nd floor*)

1:30 pm **Living in the United States: Campus life, Housing, Health and Wellness, Social Life, Travel, Bank Account, SSN...**
Led by Ms. Kari Gazdich, Program Officer
Mr. Giang Nguyen (New Global travel agent)
VEF Fellows currently living in the United States

3:45 pm **Tea/Coffee Break**

4:15 pm - 5:15 pm **Press conference** (*Diamond Hall B – ground floor*)

5:15 pm - 5:45 pm **Photo Session of Fellows/VS – REQUIRED!**
(Diamond Hall B – ground floor)
VEF Fellows wear university T-shirt

6:30 pm **Dinner Reception** (*Diamond Hall A – ground floor*)

DAY 6 – Tuesday, June 12 (Diamond Hall B – Ground Floor)

- 8:00 am **Registration/Breakfast** (outside the PDO rooms)
- 9:00 am **Studying & Training in the U.S. & Academic Expectations** (Topics include campus orientations, language assistance, course choices, grading, advisers, thesis/dissertation, etc.)
Dr. Lynne McNamara, VEF Deputy Executive Director
Dr. Phuong Nguyen, VEF Country Director, Vietnam
- 10:45 am **Tea/Coffee Break**
- 11:00 am **Q&A Session on Academic Expectations**
Led by Dr. Lynne McNamara
Comments by Dr. Phuong Nguyen & current VEF Fellows
- 12:00 pm **Buffet Lunch** (Café Rivoli – 2nd floor)
- 1:30 pm **Opportunity and Responsibility**
Mr. Kien Pham, Chief Executive Officer, VietnamNet Media Group
- 2:30 pm **Culture Issues/Culture Adjustment**
Mr. Sean McIntosh, Vice Consul, U.S. Consulate, HCMC
- 3:30 pm **Tea/Coffee Break**
- 3:45 pm **Visa Requirements**
Ms. Susan Wong, Vice Consul, Acting Non-Immigrant Visa Unit Chief, U.S. Consulate, HCMC
- 4:30 pm **Research and Training in the U.S.**
Dr. Malcolm Gillis, Chairman, VEF Board of Directors
Also Professor of Economics and Former President, Rice University
- 5:30 pm **- Closing Remarks by Dr. Malcolm Gillis**
- PDO Evaluation
- Distribution of \$500 Settling-In Allowance
- Collecting signed Grant Letter
- 6:30 pm **Open Evening**

DAY 7 – Wednesday, June 13

- 8:30 am Hanoi Fellows/VS check out Sofitel Saigon Hotel
- 9:00 am Hanoi Fellows/VS depart the hotel for airport
Bus arranged by VEF
- 11:30 am Hanoi Fellows/VS depart HCMC
VN 218

APPENDIX 7

VEF Fellowship Application and Selection Process: Cohort 2008

The Vietnam Education Foundation (VEF) Fellowship application and selection process is open, competitive, and transparent. The process involves three stages: 1) qualification screening; 2) GRE score submission; and 3) an oral exam.

1) **ROUND ONE – Qualification Screening**

Two years in advance of the expected fall start date, VEF places public announcements and recruitment ads in local newspapers and web portals in Vietnam prior to the active online application period. The application and requirements for the fellowship are posted on the VEF website (www.vef.gov). Applicants submit an online application form, a personal essay, official school transcripts, college entrance exam scores, and a TOEFL score of a minimum of 500. After a screening process based on past academic performance, applicants who are considered to be qualified to continue in the competition are invited to take a standardized Major Field Test (MFT) provided by the Educational Testing Service (ETS) and administered by the Institute of International Education (IIE) in Vietnam. The test is scored by ETS and the results are sent to VEF.

2) **ROUND TWO – GRE Score Submission**

Applicants are divided by discipline and ranked according to their Major Field Test scores. The top applicants within each field are then asked to submit GRE scores to VEF. Applicants who submit a combined GRE score of 1050 or higher on the quantitative and verbal sections will be invited to continue to the last round of the competition, the Oral Exam. Additional applicants with GRE scores lower than 1050 may be included in the Oral Exam if their application demonstrates superior qualifications when reviewed by the U.S. National Academies.

To help applicants prepare for the GRE exam, VEF offers study materials and a GRE Orientation meeting in which fundamental information about studying for, and taking, the GRE exam is presented. Applicants must pay for their GRE test fee. VEF reimburses the test fee to applicants who achieve a GRE combined score of 1100 or higher.

3) **ROUND THREE – Oral Exam**

A group of leading American scientists travel to Vietnam under the invitation of the U.S. National Academies to conduct oral exams/interviews of the finalists. These scientists are divided into panels of two according to their discipline and supported by one Vietnamese professor, who is able to provide local contextual input. Each oral exam lasts up to 45 minutes and is conducted in English. The candidate is expected to display subject knowledge, problem-solving abilities, and communication skills.

At the end of the oral exam, the U.S. panelists vote to recommend, or not recommend, the candidate for a Fellowship. The vote must be unanimous for an affirmative recommendation. A note taker records the oral exam and its outcome for reference. For each interviewee who is recommended and who is then designated a nominee, recommendation letters for graduate schools are composed and signed by the American scientists before they depart Vietnam and are sent to the interviewees to use in applying to U.S. universities.

The list of all nominees recommended for a VEF Fellowship, who have achieved admission to a leading U.S. institution in their field, is submitted to the VEF Board of Directors for final approval.

APPENDIX 8

U.S. Review Panels for VEF Oral Exam/Interview Mission

August 2007

The following 16 U.S. scientists and professors, listed alphabetically by last (family) name, were organized by the U.S. National Academies to serve on panels conducted in Vietnam to select the top applicants for the VEF Fellowship 2008 cohort.

Dr. Chandrajit Bajaj, Computational Applied Math Chair in Visualization
Department of Computer Science
Institute for Computational Engineering and Sciences (ICES)
University of Texas, Austin

Dr. Kenneth Case, Regents Professor Emeritus
School of Industrial Engineering & Management
Oklahoma State University

Dr. James Cremer, Professor and Chair
Department of Computer Science
University of Iowa

Dr. James Curry, Professor and Chair
Department of Applied Mathematics
University of Colorado, Boulder

Dr. Robert D. Hanson, Professor Emeritus of Civil Engineering
University of Michigan

Dr. John Hopcroft, IBM Professor of Engineering & Applied Mathematics
Department of Computer Science
Cornell University

Dr. Laura H. Lewis, Department Chair & Cabot Professor of Chemical Engineering
Department of Chemical Engineering
Northeastern University

Dr. Elizabeth Mitcham, Vice Chair for Horticultural Sciences
Department of Plant Sciences
University of California, Davis

Dr. SonBinh Nguyen, Dow Professor of Chemistry
Department of Chemistry
Northwestern University

Dr. Guy Parcel, Dean & M. David Low Chair in Public Health
School of Public Health
University of Texas Health Science Center at Houston

Dr. John Savage, Professor of Computer Science
Department of Computer Science
Brown University

Dr. Isaac Silvera, Thomas D. Cabot Professor of the Natural Sciences
Department of Physics
Harvard University

Dr. Vernon Snoeyink, Professor of Environmental Engineering Emeritus
Department of Civil Engineering
University of Illinois, Urbana-Champaign

Dr. George Stancel, Dean
Graduate School of Biomedical Sciences
University of Texas Health Science Center at Houston

Dr. Trac Tran, Associate Professor
Department of Electrical and Computer Engineering
Johns Hopkins University

Dr. Neal Van Alfen, Dean
College of Agriculture & Environmental Sciences
University of California, Davis

APPENDIX 9
Travel Grants Issued: Fiscal Year 2007
(October 1, 2006, to September 30, 2007)

The VEF *Travel Grants for Teaching, Research, and Professional Work in Vietnam* are intended to help promote the VEF Fellows' professional ties to Vietnam during their educational training in the U.S. The purpose is to provide opportunities for VEF Fellows, which encourage their returning to Vietnam after completing their academic program in the U.S and which advance their ability to contribute more immediately to the development of Vietnam upon their return.

The list below provides details on each of the Fellows, who received a Travel Grant in FY 2007. The table provides information about the Fellow's U.S. academic program and about the specific activity in Vietnam. The list is sorted alphabetically in Vietnamese order of the individual's name, specifically, by the Fellow's LAST name, then by the middle name, and finally by the first name. The term "Cohort" refers to the fall of the academic year that the Fellow started his/her training program in the U.S. In FY 2007, 30 *Travel Grants* of \$1,200 each were provided.

#	LAST Middle First	Cohort	Degree sought	Field of study	University in the U.S.	Activity in Vietnam	Host Institution in Vietnam	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
1	BUI My Hanh	2003	DMD	Public Health	University of Pennsylvania	Externship	Ho Chi Minh City (HCMC) University of Medical Sciences	01/03/2007	01/31/2007
2	DANG Huy Cuong	2004	PhD	Physics	Brown University	Research	VNU ⁷ Hanoi, University of Science	05/22/2007	06/21/2007
3	DO Xuan Quang	2005	PhD	Computer Science	University of Illinois at Urbana Champaign	Professional work	VNU HCMC, University of Natural Sciences,	05/07/2007	05/18/2007
4	LUONG Viet Nhiem	2004	DPH	Public Health	University of Texas, Houston	Teaching, Research, Workshop	Thai Binh Medical University	06/15/2007	08/03/2007
5	NGUYEN Cuong Quoc	2004	PhD	Public Health	University of North Carolina, Chapel Hill	Research	Joint United Nations Program on HIV/AIDS (UNAIDS)	05/28/2007	08/10/2007
6	NGUYEN Duc Dung	2003	PhD	Electrical Engineering	Northeastern University	Research	Hanoi University of Technology	01/05/2007	02/28/2007
7	NGUYEN Giao Hoa	2003	PhD	Chemistry	University of Utah	Teaching Assistantship	Vietnam Education Foundation Vietnam Open CourseWare Workshop by P. Doughty	06/13/2007	06/27/2007
8	NGUYEN Quang Hoang	2004	PhD	Civil Engineering	University of Massachusetts , Amherst	Teaching Assistantship	Vietnam Education Foundation Vietnam Open CourseWare Workshop by P. Doughty	06/14/2007	06/19/2007
9	NGUYEN Quang Nghia	2005	MS/ PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Research	National Institute for Science and Technology Policy and Strategy Studies	07/30/2007	08/31/2007
10	NGUYEN Tan-Minh Duc	2005	PhD	Public Health	University of Texas, Houston	Workshop	Ngoc Tam University and Tu Du Hospital	07/30/2007	08/17/2007
11	NGUYEN Thanh Binh	2005	PhD	Agricultural Science	Cornell University	Teaching	Rubber Research Institute of Vietnam (RRIV)	06/04/2007	06/15/2007

⁷ VNU = Vietnam National University

#	LAST Middle First	Cohort	Degree sought	Field of study	University in the U.S.	Activity in Vietnam	Host institution in Vietnam	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
12	NGUYEN Thi Cac	2005	MS/ PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Teaching	Hanoi University of Technology	05/25/2007	06/20/2007
13	NGUYEN Thi Luong Y	2005	MPH	Public Health	University of Texas, Houston	Research	Center for Promotion and Advancement of Society	05/15/2007	12/31/2007
14	NGUYEN Trung Hieu	2005	PhD	Mathematics	University of California, San Diego	Teaching	VNU Hanoi, University of Science	08/12/2007	08/24/2007
15	NGUYEN Viet Hung	2003	PhD	Computer Science	Arizona State University	Teaching Assistantship	Vietnam Education Foundation Vietnam Open CourseWare Workshop by P. Doughty	06/14/2007	06/20/2007
16	PHAM Vinh Hoa	2006	MS/ PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Research	Research Institute of Posts and Telecommunications	06/15/2007	07/15/2007
17	PHAM Le Tuan Anh	2006	PhD	Env. ⁸ Engineering	University of California, Berkeley	Research	VNU Hanoi, University of Science	05/28/2007	05/22/2007
18	PHAN Thi Thu Ha	2004	DPH	Public Health	University of Texas, Houston	Workshop	Training Workshop on HIV Research and Prevention, Ngoc Tam University, Ho Chi Minh City	07/30/2007	08/03/2008
19	PHAN Trieu Giang	2003	PhD	Geography	University of Hawaii, Manoa	Research	Nong Lam University	10/15/2006	08/15/2007
20	TRAN Anh Phong	2005	PhD	Physics	Brown University	Presentation at conference	2 nd Young Vietnamese Scientists Meeting (YVSM) and Biomedical Engineering (BME) Conference, co-organized by VEF and Hanoi University of Technology	07/25/2007	07/28/2007
21	TRAN Dai Nghia	2003	PhD	Biological/ Life Sciences	University of Hawaii, Manoa	Research	Thai Nguyen University of Agriculture and Forestry	01/01/2007	03/31/2007
22	TRAN Khanh Van	2006	PhD	Public Health	University of Massachusetts , Amherst	Research	National Institute of Nutrition	06/10/2007	08/30/2007
23	TRAN Le Nhiem	2006	PhD	Physics	Brown University	Research	VNU Hanoi, College of Technology	05/28/2007	06/22/2007

⁸ Env. = Environmental

#	LAST Middle First	Cohort	Degree sought	Field of study	University in the U.S.	Activity in Vietnam	Host institution in Vietnam	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
24	TRAN Phuong	2004	PHD	Mechanical Engineering	University of Illinois at Urbana Champaign	Research	⁹ VAST, Institute of Mechanics	07/16/2007	08/14/2007
25	TRINH Van Thang	2004	PhD	Public Health	University of North Carolina at Chapel Hill	Teaching	Center for Promotion of Advancement of Society	08/10/2007	09/10/2007
26	VAN Tu Anh	2004	PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Teaching	VNU HCMC, University of Technology	07/01/2007	07/14/2007
27	VO Thi Kieu Loan	2004	PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Presentatio n at conference	2 nd Young Vietnamese Scientists Meeting (YVSM) and Biomedical Engineering (BME) Conference, co-organized by VEF and Hanoi University of Technology	07/25/2007	07/28/2007
28	VU Chinh Thien	2004	PhD	Public Health	University of Texas, Houston	Teaching	Ngoc Tam University and Tu Du Hospital	06/29/2007	07/03/2007
29	VU Hai Long	2004	PhD	Computer Science	University of Illinois at Urbana Champaign	Teaching and Research	VNU Hanoi, College of Technology	07/03/2007	08/07/2007
30	VUONG Van Thu	2004	PhD	Biological/ Life sciences	Cornell University	Presentatio n at conference	2 nd Young Vietnamese Scientists Meeting (YVSM) and Biomedical Engineering (BME) Conference, co-organized by VEF and Hanoi University of Technology	07/25/2007	7/28/2007

⁹ VAST = Vietnamese Academy of Science and Technology

APPENDIX 10 Conference Grants (23) – Fiscal Year 2007

(For Conferences that occurred between October 1, 2006, and September 30, 2007)

The VEF *Conference Grants* serve as a means of professional development to encourage VEF Fellows to present their academic work and research at leading professional conferences in their field. For Fiscal Year (FY) 2007, 23 Conference Grants of \$1,500 each were awarded to Fellows presenting not only in the U.S. at 13 different conferences, but also overseas at 10 various conferences: 2 in Canada, 1 in China, 1 in the Grand Bahamas, 1 in Greece, 1 in Indonesia, 1 in Japan, 1 in Singapore, and 2 in Vietnam. The most highly represented field was engineering (15 presentations), followed by computer science (5), public health (2), and agricultural sciences (1).

Organizationally, the table below is first sorted alphabetically in Vietnamese order of the individual's name: by the Fellow's LAST name, then by the middle name, and finally by the first name. If a Fellow has received more than one *Conference Grant* during FY 2007, the table is further sorted by chronological order with the earliest conference listed first. The term "Cohort" refers to the fall of the academic year that the Fellow started his/her training program in the U.S.

#	LAST Middle First	Cohort	Degree Sought	Field of Study	U.S. University	Title of Presentation	Conference	City, State, Country	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
1	BUI Duy Bach	2005	PhD	Computer Science	University of Illinois at Urbana Champaign	Soft Real-Time Chains for Multi-Hop Wireless Ad-Hoc Networks	13 th IEEE (Institute of Electrical and Electronics Engineers) Real-Time and Embedded Technology and Applications Symposium	Bellevue, WA, U.S.A	04/03/ 2007	04/06/ 2007
2	BUI Xuan Loc	2004	PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Distributed Link Scheduling with Constant Overhead	International Conference on Measurement and Modeling of Computer Systems	San Diego, CA, U.S.A	06/12/ 2007	06/16/ 2007
3	DANG Dinh Thi	2003	PhD	Mechanical Engineering	University of Florida	A Micromechanical Model for Predicting Shear Correction Factors of Textile Composite Beams	9 th United States National Congress on Computational Mechanics (USNCCM-9)	San Francisco, CA, U.S.A	07/21/ 2007	07/27/ 2007
4	DO Ba Thanh	2004	PhD	Materials/ Metallurgical Engineering	University of Michigan, Ann Arbor	Process and Microstructure Aspects of Hot Pressed Hexagonal BN with Al ₂ O ₃ , Y ₂ O ₃ and SiO ₂	31 st International Conference on Advanced Ceramics and Composites	Daytona, FL, U.S.A	01/21/ 2007	01/26/ 2007
5	DO Dang Khoa	2005	PhD	Mechanical Engineering	University of Texas, Austin	The Problem of Construction of Program Motion	International Conference on Material Theory and Nonlinear Dynamics	Hanoi, Vietnam	09/24/ 2007	09/26/ 2007
6	HOANG Phuong Chi	2005	PhD	Env. ¹⁰ Engineering	University of Texas, Austin	Hotel Composting Applicability in Vietnam	22 nd International Conference on Solid Waste Technology and Management	Philadelphia, PA, U.S.A	03/18/ 2007	03/21/ 2007

¹⁰ Env. = Environmental

#	LAST Middle First	Cohort	Degree Sought	Field of Study	U.S. University	Title of Presentation	Conference	City, State, Country	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
7	HUYNH Ngoc Tuyen	2005	PhD	Computer Science	University of Texas, Austin	Mapping and Revising Markov Logic Networks for Transfer Learning	22 nd Conference on Artificial Intelligence (Association for the Advancement of Artificial Intelligence: AAAI-07)	Vancouver, Canada	07/22/ 2007	07/26/ 2007
8	LE Hoai Chau	2004	PhD	Civil Engineering	University of Illinois at Urbana Champaign	Large Scale Topology Optimization Using Preconditioned Krylov Subspace Recycling and Continuous Approximation of Material Distribution	Multi-scale and Functionally Graded Materials Conference 2006 (FGM2006)	Honolulu, HI, U.S.A	10/15/2006	10/18/2006
9	LE Thu Ha	2004	PhD	Electrical Engineering	University of Texas, Austin	Analysis of Voltage Stability and Optimal Wind Power Penetration Limits	IEEE (Institute of Electrical and Electronics Engineers) Power Engineering Society General Meeting 2007	Tampa, FL, U.S.A	06/24/ 2007	06/28/ 2007
10	LE Tiendung	2005	PhD	Civil Engineering	University of Texas, Austin	Critical Risk Elements during the Advance Planning Phase of Transportation Infrastructure Projects	Construction Research Congress 2007	Grand Bahamas Island	05/06/ 2007	05/08/ 2007
11	LE Tung	2004	PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Graphical Inference Methods for Fault Diagnosis based on Information from Unreliable Sensors	9 th International Conference on Control, Automation, Robotics and Vision (ICARCV)	Singapore	12/5/2006	12/08/2006
12	LE Tung	2004	PhD	Electrical Engineering	University of Illinois at Urbana Champaign	Bounds on Max-Product Algorithms for Multiple Fault Diagnosis in Graphs with Loops	European Control Conference: ECC'07	Kos, Greece	07/02/ 2007	07/05/ 2007
13	NGUYEN Hong Tam	2004	PhD	Civil Engineering	University of Illinois at Urbana Champaign	Probabilistic Fracture Analysis of Functionally Graded Materials	Multi-scale Functionally and Graded Materials Conference 2006 (FGM 2006)	Hawaii, HI, U.S.A	10/15/2006	10/18/2006
14	NGUYEN Thanh Tuan	2004	PhD	Public Health	University of North Carolina, Chapel Hill	Nutrition Dynamics in Vietnam: Effects of Rapid Socio-Economic Growth	6 th International Graduate Student Conference	Honolulu, HI, U.S.A	02/15/ 2007	02/17/ 2007

	LAST Middle First	Cohort	Degree Sought	Field of Study	U.S. University	Title of Presentation	Conference	City, State, Country	Start Date (mm/dd/yyyy)	End Date (mm/dd/yyyy)
15	NGUYEN Viet Hoang	2004	PhD	Computer Science	University of Illinois at Urbana Champaign	PDA: Privacy-Preserving Data Aggregation in Wireless Sensor Networks	IEEE (Institute of Electrical and Electronics Engineers) Conference on Computer Communications	Anchorage, AK, U.S.A	05/06/ 2007	12/12/ 2007
16	NGUYEN Viet Hoang	2004	PhD	Computer Science	University of Illinois at Urbana Champaign	Attack Containment Framework for Large-Scale Critical Infrastructure	16 th International Conference on Computer Communications and Networks	Honolulu, HI, U.S.A	08/13/ 2007	08/16/ 2007
17	PHAM Thi Hoang Van	2004	DPH	Public Health	Johns Hopkins University	Evaluation of Building Reproductive Health Capacity of the Commune Health Network Project in Vietnam	8 th Annual Conference of the Global Development Network	Beijing, China	01/14/ 2007	01/19/ 2007
18	PHAM Tung Anh	2005	MS/ PhD	Agricultural sciences	University of Missouri at Columbia	Differential response of resistant soybean cultivars identified in Vietnam and Paraguay to Phakopsor	3 rd Asian Conference on Plant Pathology (3rd ACPP)	Yogyakarta, Indonesia	08/20/2007	08/23/2007
19	TRAN Van Xuan	2004	PhD	Mechanical Engineering	University of Michigan-Ann Arbor	Yield Criteria for Aluminum Honeycombs of Different Cell Geometries under Compression Dominant Kombi	International Conference on Nonlinear Analysis & Engineering Mechanics Today: NA-EMT2006	Ho Chi Minh City, Vietnam	12/11/2006	12/14/2006
20	TRINH Thi Hoa	2004	PhD	Env. Engineering	University of Michigan-Ann Arbor	Dioxins Plume Modeling: Validation and Data Visualization	27 th International Symposium on Halogenated Persistent Organic Pollutants - DIOXIN 2007	Tokyo, Japan	09/02/ 2007	09/07/ 2007
21	VO Trung Dung	2005	PhD	Electrical Engineering	University of California, San Diego	Filter-Bank Based Super-Resolution for Rotated and Blurry Undersampled Images	40 th Asilomar Conference on Signals, Systems and Computers	Pacific Grove, CA, U.S.A	10/29/2006	11/01/2006
22	VO Trung Dung	2005	PhD	Electrical Engineering	University of California, San Diego	Quality Enhancement for Motion JPEG Using Temporal Redundancies	IEEE ((Institute of Electrical and Electronics Engineers) Conference on Image Processing	San Antonio, TX, U.S.A	09/16/ 2007	09/19/ 2007
23	VU Hai Long	2004	PhD	Computer Science	University of Illinois at Urbana Champaign	Measurement and Modeling of a Large-scale Overlay for Multimedia Streaming	International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness	Vancouver, Canada	08/14/ 2007	08/17/ 2007

APPENDIX 11
VEF Alliance
(As of September 2007)

The Vietnam Education Foundation (VEF) established the VEF Alliance, a consortium of leading U.S. universities that share in its mission and that benefit from its success. The aim is for VEF to collaborate in finding and bringing the best scholars to the Alliance universities through the VEF Fellowship Program under a cost-sharing arrangement and, upon request, to introduce the U.S. universities to Vietnamese universities. The list below consists of the VEF Alliance schools to date: **104** major research institutions across the United States.

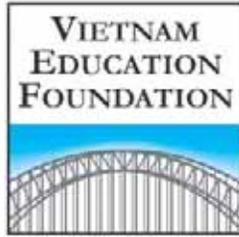
#	University	Division/Department
1	Arizona State University	Ira A. Fulton School of Engineering
2	Boston College	Graduate School
3	Boston University	College of Engineering
4	Bradley University	Graduate School
5	Brandeis University	Graduate School
6	Brown University	Graduate School
7	California Institute of Technology	Graduate School
8	Carnegie Mellon University	Heinz School of Public Policy and Mgmt.
9	Case Western Reserve University	Depts. of Civil Eng.; Macromolecular Sci. & Eng.; Materials Sci. & Eng.; Biology; Chemistry; Mathematics; Physics; Statistics; Epidemiology & Biostatistics
10	Catholic University	Graduate School
11	Clemson University	Graduate School
12	Colorado School of Mines	Graduate School
13	Columbia University	School of Engineering and Applied Science
14	Cornell University	College of Agriculture and Life Sciences; Civil & Environmental Engineering
15	Duke University	Graduate School
16	Florida International University	Graduate School
17	Florida State University	Graduate School
18	Fordham University	Graduate School
19	Georgia Institute of Technology	Graduate School
20	Georgia State University	Graduate School
21	Iowa State University	Graduate School
22	Johns Hopkins University	(1) Zanvyl Krieger School of Arts and Sciences, (2) Whiting School of Engineering
23	Kansas State University	Graduate School
24	Kent State University	Graduate School
25	Lehigh University	Graduate School
26	Louisiana State University Health Sciences Center	Graduate School
27	Michigan State University	Graduate School
28	Mississippi State University	Graduate School
29	North Carolina State University	Graduate School
30	Northeastern University	Graduate School
31	Northern Illinois University	Graduate School
32	Northwestern University	Graduate School
33	Oklahoma State University	Graduate School

#	University	Division/Department
34	Old Dominion University	Graduate School
35	Oregon State University	Graduate School
36	Pennsylvania State University	Graduate School
37	Princeton University	Graduate School
38	Purdue University	Graduate School
39	Rensselaer Polytechnic University	Graduate School
40	Rice University	Graduate School
41	Rutgers University	Graduate School
42	Southern Illinois University Carbondale	Graduate School
43	State University of New York at Binghamton	Graduate School
44	Stony Brook University (SUNY)	Graduate School
45	Syracuse University	Graduate School
46	Temple University	Graduate School
47	Texas A&M University	Graduate School
48	Texas Tech University	Graduate School
49	Tulane University	Graduate School
50	University at Buffalo, the State University of New York	School of Engineering & Applied Sciences
51	University of Alabama at Birmingham	Graduate School
52	University of Arkansas, Fayetteville	Graduate School
53	University of California at Berkeley	College of Engineering
54	University of California at Davis	Graduate School
55	University of California at Irvine	Graduate School
56	University of California at Los Angeles	School of Engineering & Applied Science
57	University of California at Riverside	Graduate School
58	University of California at San Diego	Graduate School
59	University of California at Santa Barbara	Graduate School
60	University of Cincinnati	Graduate School
61	University of Colorado at Boulder	Graduate School
62	University of Colorado at Denver Health Science Center	Graduate School
63	University of Connecticut	Graduate School
64	University of Delaware	Graduate School
65	University of Florida	School of Engineering
66	University of Georgia	Graduate School
67	University of Hawaii at Manoa	Graduate School
68	University of Houston	Graduate School
69	University of Idaho	Graduate School
70	University of Illinois at Urbana - Champaign	Graduate College
71	University of Iowa	Graduate School
72	University of Kansas	Graduate School
73	University of Kentucky	Graduate School
74	University of Louisville	Graduate School
75	University of Maine	Graduate School
76	University of Maryland, Baltimore County	Graduate School
77	University of Massachusetts Amherst	Graduate School
78	University of Michigan at Ann Arbor	College of Engineering (doctoral programs only)
79	University of Minnesota	Institute of Technology
80	University of Missouri - Columbia	Graduate School
81	University of Nebraska - Lincoln	Graduate School

#	University	Division/Department
82	University of North Carolina at Chapel Hill	Graduate School
83	University of North Carolina at Charlotte	Graduate School
84	University of North Texas Health Science Center at Fort Worth	Graduate School
85	University of Notre Dame	Graduate School
86	University of Oklahoma	Graduate School, specifically in the fields of: Physical Sciences (Physics, Chemistry), Geosciences (Physical Geography, Geology, Geophysics, Meteorology), Engineering (Electrical, Mechanical, Chemical, Civil, Petroleum & Geological), and Computer Science
87	University of Oregon	Graduate School
88	University of Pennsylvania	Graduate School
89	University of Rhode Island	Graduate School
90	University of Southern California	(1) Viterbi School of Engineering and (2) College of Letters, Arts & Science
91	University of Texas at Arlington	Graduate School
92	University of Texas at Austin	Graduate School
93	University of Texas at Houston	Graduate School of Biomedical Sciences; School of Public Health
94	University of Toledo	Graduate School
95	University of Utah	Graduate School
96	University of Vermont	Graduate School
97	University of Virginia	Graduate School
98	University of Washington	Environmental and Occupational Health; Materials Science and Engineering; Interdisciplinary Program in Pathobiology
99	University of Wyoming	Graduate School
100	Virginia Commonwealth University	Graduate School
101	Virginia Polytechnic Institute and State University	Graduate School
102	Washington State University	Graduate School
103	Washington University in St. Louis	Graduate School
104	Yale University	Graduate School

APPENDIX 12

Letter to Graduate Schools Summarizing Fellowship Support



2111 Wilson Boulevard, Suite 700, Arlington, VA 22201 • www.vef.gov • Phone 703-351-5053 • Fax 703-351-1423

Board of Directors

Frank Jao – *Chairman*
President and CEO
Bridgecreek Development Company

Trung Dung
Founder & Chairman
BlueKey Services

Malcolm Gillis, Ph.D.
Zingler Professor of Economics
Rice University

Chuck Hagel
U.S. Senator

John F. Kerry
U.S. Senator

George Miller
U.S. Congressman

Marilyn M. Pattillo, Ph.D.
Professor of Clinical Nursing
University of Texas

Condoleezza Rice, Ph.D.
U.S. Secretary of State

Christopher H. Smith
U.S. Congressman

John W. Snow
Henry M. Paulson, Jr.
U.S. Secretary of Treasury

Margaret Spellings
U.S. Secretary of Education

Van-Toi Vo, Ph.D.
Professor of Biomedical Engineering
Tufts University

Richard J. Wall, J.D.
Managing Partner
O'Donnell, Waiss, Wall & Meschke

October 28, 2006

To: The Dean of Graduate Admission
RE: VEF Fellowship Support for Graduate School Applicant
Name: [First/Middle/LAST]
Birth Date: [mm/dd/yyyy]

Dear Sir/Madam:

We are writing to inform you that [Mr/Ms]. [First Middle Last] is a nominee for a 2007 graduate fellowship from the Vietnam Education Foundation. We will offer [Mr/Ms]. [Last] a fellowship award if [he/she] is admitted into your graduate program.

The Vietnam Education Foundation (VEF) is a special program of the U.S. Government to assist Vietnam in training a new generation of scientists and engineers by sending the best Vietnamese scholars to top U.S. graduate schools. We select our fellowship recipients through a highly competitive process that includes U.S. standardized testing and an oral exam conducted by American scientists invited by the National Academies. We also rely on the Council of Graduate Schools, the Institute of International Education, and the Educational Testing Service in our fellowship program.

This year we had more than 1,200 applicants and, given a limited budget, we can offer financial assistance to only 40 Fellows. Our fellowship nominees are truly the ablest scholars in Vietnam. [Mr/Ms]. [Last] is one of them.

VEF expects to finalize all Fellowship awards in early April and we ask your consideration for a decision on this nominee as soon as possible. We have set a deadline of April 1, 2007, for all of our nominees to inform us of their admission status. We also ask that you clarify the financial parameters in your admission letter, including your acceptance of the terms of the VEF Fellowship.

The VEF Fellowship program is 5 years for a doctorate and 2 years for a master's degree. If [Mr/Ms]. [Last] is admitted to your graduate program, the terms of the financial parameters of the VEF Fellowship Program will be as follows:

1. Fellowship Grant to the School:

During the Fellow's first two years at your school (Years 1 and 2), VEF will provide an annual fellowship grant of \$27,000 to the school. This grant amount is in lieu of all required deposits; school orientation fees; tuition and required fees for the academic year and summer session; required health insurance for the academic year and summer session; required books and educational equipment; and university graduate stipends for 12 calendar months.

If there is a financial shortfall, your school is expected to provide additional funds to supplement our grant of \$27,000 because the Fellow has no other resources. The university is expected to make all financial arrangements for distribution and application of monies.

2. Support Grant to the Fellow:

During the subsequent three years of graduate study (Years 3, 4, and 5) for doctoral students, the Fellow will receive an annual professional development grant of \$3,000 directly from VEF. During this period, we expect the Fellow to receive graduate assistantships and/or other forms of support from your school that would cover all educational and living expenses.

3. Other Financial Support:

VEF will also pay for the following:

- a. The Fellow's pre-academic English language training if required by the school.
- b. All costs related to the pre-departure orientation training, visa application, and physical exam in Vietnam.
- c. Costs of a plane ticket from Vietnam to the school and a return ticket at the end of the fellowship.
- d. A modest settling-in allowance given directly to the Fellow during the VEF pre-departure orientation in Vietnam for personal incidental expenses in the United States.

4. Annual VEF Fellowship Conference:

To facilitate interaction among our Fellows and between our Fellows and the U.S. scientific community, the VEF and the National Academies co-host an annual fellowship conference. During the fellowship period, VEF will pay for the costs of travel, lodging, per diem, and registration for the Fellow to attend the conference.

5. U.S. Government-Sponsored Visa:

As a federal agency, VEF will serve as the visa sponsor throughout the Fellow's academic program in the United States. VEF works closely with the American Embassy in Hanoi to ensure that the Fellow will be able to enter the U.S. prior to the start of the academic year. The Fellow will be given a J-1 visa with a two-year home residency requirement.

As we search for the best Vietnamese scholars and prepare them for graduate training in the United States, we look to top U.S. academic institutions to join us in supporting them. We respectfully ask for your favorable consideration for [Mr/Ms]. [First Middle Last]. By sharing our mission, you will not only have the finest alumni in Vietnam but will also help build lasting scientific and educational bridges between the two countries.

Please contact me at 703-351-5053 if you have questions.

Sincerely,

Lynne McNamara, Ph.D., Acting Executive Director

APPENDIX 13

Terms and Conditions of the Fellowship Grant

Name of Recipient: «Last» «Middle» «First»
VEF ID Number: «VEF_ID»
Cohort Year: «Cohort_»
Date of Birth: «DOB»
Vietnam Address: «Vietnam_Address»

June 1, 2007

Congratulations! You have been awarded a Fellowship by the Vietnam Education Foundation (VEF), a U.S. Federal government agency, to pursue graduate study in the United States. Your Fellowship is for a full-time program in your field of study as described below. As a recipient of the Fellowship, you are expected to meet and maintain the academic requirements of your university, to abide by the Terms and Conditions as described herein, and to comply with all U.S. J-visa regulations.

This document supersedes all previous written documents and serves as the prevailing Fellowship agreement between you and VEF. It is important that you fully understand all of the information herein and confirm your acceptance of the Fellowship award, also referred to as a Fellowship grant, by initialing respective sections where requested and signing your name on the last page.

This *Terms and Conditions of the VEF Fellowship Grant* must be signed by you before VEF can issue a Form DS-2019 for your J-visa application. Please sign and return the original of this document to VEF no later than seven (7) days after receipt. You should also keep a copy for your personal records.

GRANT PERIOD

Grant Start Date: «Grant_Start_Date»
Grant End Date: «Grant_End_Date»

For a master's degree program, the grant period is two years; for a doctoral degree program, the grant period is five years. At the end of each academic year, VEF will review your academic progress and determine whether to continue your grant for the upcoming academic year. After consultation with your academic advisor, if VEF determines that you have not met the conditions of the Grant Continuance clause below, you will be notified and your grant may be terminated. **If you complete your authorized degree program before the above Grant End Date, your degree completion date will replace the above Grant End Date.**

ACADEMIC PROGRAM

University: «University»
School/College: «SchoolCollege»
Department: «Department»
Degree Program: «Degree»
Major Subject/Field of Study: «Field of Study»

ACADEMIC PROGRAM COMPLETION

You are expected to complete the full period of study as specified under the Grant Period stated above and to obtain approval from VEF for any further stay beyond this period. Should a personal emergency necessitate a disruption of your academic program and require your early departure, you must obtain prior approval from VEF.

GRANT CONTINUANCE

The continuation of your Fellowship grant depends upon:

1. Full compliance with the terms and conditions of this document;
2. Good academic standing at your university;
3. Evidence of your academic progress toward degree completion;
4. Your university financial support;
5. Availability of VEF funds; and
6. Your financial requirements.

Sign here to acknowledge your agreement. _____

ACADEMIC STATUS

In order to maintain funding and your grant status during the Grant Period, you must be enrolled full-time during the academic year and make satisfactory progress in your authorized study program. If you have any academic difficulty, you must seek assistance immediately from your academic advisor and determine how to overcome your deficiencies. VEF will request performance reports and other information from you and your institution concerning your academic program. You must respond within the timeframe indicated in each request. *At the end of each school term, you are required to provide an official transcript to VEF as soon as it becomes available.*

Sign here to acknowledge your agreement. _____

GRADUATE ASSISTANTSHIPS

A graduate assistantship is an integral part of graduate training in the United States. You may be required by your university to have a graduate assistantship during your first two years. If you are in a doctoral degree program, you are expected to seek and acquire a graduate assistantship from your university no later than your third year so that you are fully funded by your university. The graduate assistantship may be a research assistantship, a teaching assistantship, or a combination of both. Your university may require you to take special courses, to reach and maintain a certain grade point average (GPA), to seek out professors and request the assistantship, to compete against other graduate students, and/or to demonstrate in advance your ability to be a graduate assistant. Graduate assistantships are competitive, and you must prove that you are qualified, according to your university standards, to receive one. *As a VEF Fellow, you are expected to learn what is necessary to get a graduate assistantship at your university and to proceed with that intention.*

Sign here to acknowledge your agreement. _____

FINANCIAL INFORMATION

Please note: It is recommended that you bring supplementary funds of your own to help cover miscellaneous expenses that you might incur.

VEF has made special arrangements with your university so that your educational and living expenses are covered during this grant period. You are obliged to follow the requirements of your university to receive any university funding supplemental to your VEF Fellowship award, including working as a graduate

assistant. You will be responsible for planning and using your resources carefully to cover your financial obligations. Your VEF grant conforms to the following financial support plan:

Phase One – Fellowship Grant to the School: For the first two years of a Fellow’s graduate program (Years 1 and 2), VEF provides directly to the university a pre-determined Fellowship grant amount in exchange for the university paying for the Fellow’s required tuition, fees, and health insurance and providing the Fellow with a typical graduate student monthly stipend to cover living expenses. An allowance for books is provided by the university either separately or through the stipend. During the first two years, the Fellow may be required by the university to have a graduate assistantship. If the Fellow is pursuing a master’s degree, he/she is expected to complete the degree within two years.

In your case, this Phase One Fellowship support will end on «End date of phase one».

Sign here to acknowledge your agreement. _____

Phase Two – Professional Development Grant (for doctoral candidates only): During the subsequent three years of graduate study (Years 3, 4, and 5), a Fellow who pursues a doctorate will receive an annual professional development grant of \$3,000 directly from VEF. During this period, the Fellow is expected to receive graduate assistantships and/or other forms of support from the university that would cover all educational and living expenses. He/she is expected to complete the doctoral degree within five years total, the maximum period of a VEF Fellowship grant.

In your case, this Phase Two Fellowship support will end on «End date of phase two».

Sign here to acknowledge your agreement. _____

Additional Financial Support for all New Fellows: VEF also pays for:

1. A settling-in allowance of \$500 given directly to you during the pre-departure orientation in Vietnam to be used for personal incidental expenses in the United States;
2. All costs related to the pre-departure orientation training, initial visa application fees (if any), physical exam, and required inoculations (if any) in Vietnam;
3. Costs of an economy-class plane ticket from Vietnam to the airport nearest to your university; and
4. Pre-academic English language training during the summer preceding the fall term, if required by your university.
5. Temporary medical emergency insurance for the first 30 days of your program, which begins upon arrival at your departure airport in Vietnam.

Annual VEF Fellows Conference: To facilitate interaction among our Fellows and between our Fellows and the U.S. scientific community, VEF hosts an annual conference. During the grant period, VEF will pay for the following costs for you to attend the conference: round-trip economy airfare from your university or site of academic training; lodging; a fixed allowance to cover transportation to/from airports and incidentals; and registration (if any). All VEF Fellows are **required** to attend this annual conference.

Sign here to acknowledge your agreement. _____

Return airfare to Vietnam: Upon completion of your academic program, VEF will provide an economy-class plane ticket from the airport nearest to your university or site of academic training to Vietnam.

Billing Information: If necessary, please advise the Bursar's Office at your university to direct all inquiries regarding financial matters to VEF's primary contact at the university:

Name: «Name of primary contact».

Title: «Title»

Phone: «Phone»

Fax: «Fax»

Email: «Email»

EMPLOYMENT

IMPORTANT: You are required to notify VEF and receive written prior authorization from VEF for any work activities, on-campus or off-campus, paid or unpaid, during your stay in the United States.

VEF is your visa sponsor and you must have permission from VEF to work. VEF will only allow work that is directly related to your major subject or field of study and that is recommended by your academic advisor. Typically, on-campus work consists of graduate assistantships. You are entitled to work up to 20 hours per week during the academic year at your university in the United States as defined by the J-1 Exchange Visitor Program.

Separate from graduate assistantships, you can request permission from VEF to pursue academic training, which is also considered employment. Academic training is generally defined as work, training, or experience, either on-campus or off-campus, related to your field of study and may be paid or unpaid. Academic training may be initiated during enrollment in a degree program or upon completion of a program. All academic training is considered full-time, even if one is engaged less than 40 hours per week.

ACADEMIC TRAINING

For students in pre-doctoral study, the time limit for academic training is equal to 18 months or equal to the amount of time spent in full time study in the United States, whichever is less. For example, a student who completes a 12-month master's degree program is eligible for 12 months of academic training minus any time spent in academic training prior to completion of studies. A student who completes a 24-month master's program is eligible for 18 months of academic training minus any time spent in academic training prior to completion of studies.

The overall time limit for academic training after the completion of a U.S. doctoral degree is 36 months. This post-doctoral training is authorized in 18-month increments. For example, a student, who has already done graduate work outside the United States and is admitted to a U.S. institution with advanced standing, may need only two years of graduate school to complete the Ph.D. In this case, the student is not eligible for 36 months of academic training, but rather 24 months. The academic training period may not exceed the period of the full course of study in the United States.

To qualify for academic training, the following procedures apply: (1) your academic advisor must write a letter certifying that the proposed academic training is relevant to your field of study; (2) the academic training site must clearly describe the job responsibilities, starting and ending dates, number of hours per week, and financial compensation (if any); and (3) all academic training must be approved in advance by VEF. Further details about academic training are available at the VEF website.

COMMUNICATIONS WITH VEF

You must get permission from VEF for any changes in your current or future academic plans that differ from the program authorized in this document. You must also inform VEF of any academic problems or concerns and of any medical or personal emergency situations. Your primary contact at VEF is:

Kari Gazdich
Program Officer
Vietnam Education Foundation
2111 Wilson Blvd., Suite 700
Arlington, VA 22201
Phone: 703-785-7982

Mailing address:
623 East Waterfront Dr.
Apt. 6307
Munhall, PA 15120

Send all correspondence to Ms. Gazdich (karigazdich@vef.gov), copying VEF (veffellows@vef.gov)
Always include your name and VEF identification (ID) number in the subject line of your email.

REPORTING INFORMATION TO VEF

You are required to report the following information to Kari Gazdich (karigazdich@vef.gov), who serves VEF as Responsible Officer for immigration purposes, in order to maintain your valid nonimmigrant status. This information must be reported in the OMS. The OMS will then send Ms. Gazdich automatic emails notifying her each time you update your information. You must report all of the following via the OMS:

1. Residential address and contact information. U.S. federal visa regulations require that you send to Ms. Gazdich your local U.S. school and residence address and other contact information (including telephone numbers and e-mail addresses). You must report, in the OMS, the address of the actual physical location where you are residing in the United States ***within ten (10) days of your arrival***. Throughout the period of your grant, you must keep Ms. Gazdich informed of any subsequent changes to your address or contact information ***within ten (10) days of the change by updating your information via the OMS***. If the address where you receive mail is different from where you physically reside, you must inform Ms. Gazdich, via the OMS of both addresses. Do not use post office boxes for either your residential or mailing address.

2. Enrollment in academic program. It is a requirement for both your VEF Fellowship and visa that you maintain full-time academic standing in your authorized study program. You must send Ms. Gazdich an email if you will complete your academic program before the program end date specified in this letter.

Additionally, you must send Ms. Gazdich an email if you want to change majors, departments or degree levels. Ms. Gazdich must receive your email BEFORE any changes in your academic program take place and you must wait for her permission before making any changes. Once you have received approval you should update your OMS record accordingly.

3. International travel. You must inform Ms. Gazdich ***before you begin any travel*** outside of the United States during your grant period by completing the required application in the OMS. You must have your Form DS-2019 endorsed by Ms. Gazdich **before** you travel in order to be

able to return to the United States. If you will need to apply for a new J-1 visa while abroad, you must allow adequate time during your trip to get this done.

Sign here to acknowledge your agreement. _____

J-1 EXCHANGE VISITOR VISA

VEF will provide you with a Form DS-2019 to secure a J-1 visa under the Exchange Visitor Program as required by your VEF grant. You are personally responsible, financially and otherwise, for making all arrangements for securing your passport. Your Fellowship grant is available only if you can obtain a passport and a J-visa with the 2-year home residency requirement. VEF will be responsible for documentation required to extend your permission to stay in the United States throughout the period of your authorized VEF Fellowship participation.

Upon expiration of your Exchange Visitor J-1 visa status, you are required to reside in your home country, Vietnam, for two years before you may apply for the following: (1) a nonimmigrant (H or L) visa as a temporary worker; (2) permanent residence in the United States; or (3) an immigrant visa. During these two years, you may be able to enter the United States on other visa types, such as visitor or business visas, if granted.

HEALTH INSURANCE

As a condition of your J-1 visa you are required, by law, to maintain health insurance coverage, which includes medical evacuation and repatriation insurance, for yourself and any of your dependents in J-2 status for the duration of your program in the United States. Required coverage amounts are listed on page 2 of your Form DS-2019 or herein below, under the section entitled “Responsibility for Dependents.” A willful failure to carry insurance for yourself or your dependents is considered a violation of your J-1 student visa and of the VEF Fellowship Program, and under the law requires termination from the VEF Fellowship Exchange Visitor Program.

VEF will arrange for you to have health insurance from the time you leave Vietnam through your first several weeks in the United States for a total of 30 days by which time coverage under your university’s insurance policy should begin. For the required medical/health insurance for you as an international student at your university, you must find out in advance of arrival at your university about the necessary arrangements for, and procedures to secure, this insurance at your university, and then finalize arrangements immediately after arrival on campus. You must ensure their policy begins without fail no later than the end of the 30-day period covered by VEF. As part of the financial terms of the VEF Fellowship that your university has accepted, the university must cover required medical/health insurance for you. However, insurance coverage and associated fees for dependent family members in J-2 status are your own responsibility

Sign here to acknowledge your agreement. _____

RETURN TO VIETNAM

VEF is a Government agency. By accepting this grant from VEF, you agree to get a J-visa with a two-year home residency requirement, which mandates that you return to Vietnam upon completion of your authorized education and academic training period in the United States. Failure to do so will be seen as noncompliance with the Fellowship grant terms and conditions and with your J-visa requirements and could result in legal action by the U.S. Government. This legal action could negatively impact your ability to travel to the United States in the future.

Sign here to acknowledge your agreement. _____

REVISION OF TERMS

VEF reserves the right to revise or adjust these grant provisions, if conditions require, without prior consultation with, or agreement by, you. Conditions may include late arrival, extended travel outside of the United States, changes in financial resources available to you in the United States, or failure to maintain satisfactory academic progress or valid J-1 status. **You must report to VEF in writing any grants, other awards, or employment opportunities not described in this document.**

Sign here to acknowledge your agreement. _____

RESPONSIBILITIES

You are responsible for observing satisfactory academic and professional standards and for maintaining a standard of conduct and integrity which is in keeping with the spirit and intent of the VEF Fellowship and which will contribute positively to promotion of mutual understanding between the people of the United States and Vietnam. You are expected to obey U.S. laws during your stay in the United States. You are also expected to abide by the rules and regulations of your university.

Sign here to acknowledge your agreement. _____

REQUIRED IDENTIFICATION NUMBER

As a recipient of grant income in the United States, you are required to obtain a Social Security Number or Individual Tax Payer Identification Number. Please inform VEF through the OMS of this number ***within 60 days of the start of your academic program.***

TAXES

Any source that pays you income may be required to withhold Federal, state, and local taxes from the payments that they make to you and to report this income to the Internal Revenue Service (IRS) annually. This income may include the stipend from your university. Your actual tax liability is determined when you file your income tax return(s), which must be completed following the close of the tax (calendar) year and no later than April 15 for the preceding year. In the event the tax liability is less than the amount withheld, you may receive a tax refund directly from the IRS. For filing options and further rules, you should consult a tax professional and/or the IRS. **Failure to file with the various tax authorities may result in termination of your Fellowship grant.** Even if you have already departed the United States, you must file a tax return for the prior calendar year.

Sign here to acknowledge your agreement. _____

REVOCATION, TERMINATION, OR SUSPENSION OF AWARD

1. The VEF Fellowship grant may be revoked, terminated, or suspended. In a revocation, the grantee is considered as not having received the grant and will not be an alumnus or alumnae of the VEF program. In a termination, unless otherwise stated, the grant will be considered to have ended when VEF announces its decision to terminate. In a suspension, the grant will be considered inoperative until a decision is made to reinstate, revoke, or terminate the grant.
2. If you fail to obtain any legally required permission from your current employer to leave for this study program, or fail to obtain a proper J-1 visa and enter the United States, the Fellowship offer will be revoked by VEF.
3. If you fail to sign and return this *Terms and Conditions of the VEF Fellowship Grant* letter within seven (7) days after receiving it, the Fellowship offer may be revoked by VEF.

4. Your university has the authority to recommend to VEF to revoke or terminate the grant. If revocation or termination is recommended, the grantee will have an opportunity to respond to the recommendation. A review of the circumstances will be considered by VEF before a final decision is made.

5. Grounds for revocation or termination include, but are not limited to: (1) violation of the laws of the United States; (2) any act likely to give offense to the United States because it is contrary to the spirit and mission of VEF; (3) failure to observe satisfactory academic or professional standards; (4) physical or mental incapacitation; (5) engaging in unauthorized income-producing activities; (6) failure to comply with the grant's terms and conditions; (7) misrepresentation made either orally or in writing in any VEF forms or in any documents related to this Fellowship; (8) violation of visa regulations or SEVIS (Student Exchange Visitor Information System) reporting requirements; and (9) any conduct detrimental to the mission of VEF.

VEF also has authority to terminate a Fellowship grant on either of the following grounds: (1) if the grantee has exhausted all benefits of health and accident insurance provided to the grantee in connection with the grant, and continued medical treatment would lead to the grantee becoming a public charge; or (2) if the grantee requires such protracted medical treatment that successful completion of the objectives of the grant is jeopardized. The procedure for any such termination shall be the same as that provided for the termination of grants generally, except that the recommendation for such termination, supported by the corresponding factual information, shall be made by VEF. In the event any such grounds occur during the period of a Fellowship grant, it is VEF's policy that such grant should not be renewed or extended.

6. A grant may be suspended if: (1) the grantee ceases to carry out the academic program during the grant period; and/or, (2) the grantee leaves the United States without prior authorization from VEF; and/or (3) the grantee requests suspension of the grant for personal reasons. During a period of suspension, the grantee will not receive any allowance or benefits. Unless otherwise authorized by VEF, no retroactive claim for such allowances or other benefits with respect to a period of suspension will be honored.

7. Grantees who remain in the United States beyond periods authorized by VEF are subject to the provisions of this section.

Sign here to acknowledge your agreement with this entire section, # 1 - 7. _____

RESPONSIBILITY FOR DEPENDENTS

None of the agencies, organizations, or persons cooperating in providing your grant can assume any responsibility for the travel, insurance, and/or financial support of any dependents. However, you may request visa support from VEF for your dependents to join you in the United States. VEF recommends that you wait one academic year before having your dependents join you. VEF also recommends that your spouse have a basic English language skill level, demonstrated with a score equivalent to at least 450 on the paper-based TOEFL exam.

By U.S. law, you are required to provide adequate health and accident insurance for any dependents that accompany you. Failure to do so violates the terms and conditions of the J-visa and this Fellowship grant award and may result in termination of your Fellowship grant. At a minimum, the dependent insurance must provide the following benefits: (1) medical coverage of at least \$50,000 per person per accident or illness; (2) repatriation of remains in the amount of \$7,500; and (3) medical evacuation benefits of at least \$10,000. In addition, a qualified insurance program shall not have a deductible that exceeds \$500 per accident or illness; and it must meet other technical standards as specified in the Exchange Visitor Program regulations. More details about J-2 visas are available at the VEF website. You must submit to VEF the application for J-2 visa support.

Sign here to acknowledge your agreement. _____

OTHER PROGRAMS

VEF has no responsibility, financial or otherwise, in connection with any program other than that specified in this *Terms and Conditions of the VEF Fellowship Grant* letter.

ACCEPTANCE OF TERMS AND CONDITIONS OF THE VEF FELLOWSHIP GRANT

Sign below and return to VEF the original of this *Terms and Conditions of the VEF Fellowship Grant*, known also as the grant letter, to indicate that you understand, accept, and will comply with all provisions stated in these *Terms and Conditions of the VEF Fellowship Grant* as a VEF Fellow.

By my signature, I accept the terms and conditions appearing on all pages of this document and any addenda. My signature confirms my understanding of, and compliance with, these terms and confirms my agreement to return to Vietnam for two years upon completion of my authorized study program. Furthermore, my signature gives VEF permission to request my transcripts from my university.

PRINT NAME: _____

SIGNATURE: _____ **DATE:** _____

APPENDIX 14
2006 VEF ANNUAL FELLOWS AND SCHOLARS CONFERENCE

AGENDA

Tuesday, December 26, 2006

6:00 – 10:00 pm	Conference Registration	Outside Salons D-G Marriott Medical Center
-----------------	-------------------------	---

Wednesday, December 27, 2006

7:30 – 8:30 am	Breakfast	The Commons
8:30 am – 12:00 pm	Tours - Buses will depart from DICentral M.D. Anderson Cancer Center NASA, Johnson Space Center	BSRB: 6767 Bertner Street
9:00 am - 12:00 pm	Networking for Fellows not on tours	BSRB
12:30 pm	Lunch	The Commons
1:30 pm	Welcome and VEF Program Update Lynne McNamara	Onstead Auditorium
2:00 pm	Leadership and Stewardship Hoang Tuy, Institute of Mathematics, VAST Duy-Loan Le, Texas Instruments Kien Pham, VietnamNet	Onstead Auditorium
5:30 pm	Mixer, sponsored by DICentral	The Forum (Outside Onstead Auditorium)
7:00 pm	Dinner (on your own)	
9:00 pm	VEFFA Roundtable Sharing Graduate School Experiences	Salons D-G Marriott Medical Center

Thursday, December 28, 2006

8:00 – 9:00 am.	Continental Breakfast	The Commons
9:00 – 12:00 noon	Career Options After Graduate School Academia - Malcolm Gills, Rice University Industry - Ly-Huong T. Pham, Mobiscale LLC NGO's - Gary West, Family Health International	Onstead Auditorium

12:00 – 1:00 pm	Lunch - a box lunch will be provided.	
1:00 – 6:00 pm	Recreation (http://cse-online.net/twiki/bin/view/Main/VEFOlympic)	
	Buses depart from the hotel at 1:00 pm for the recreation center and will run continuously until 5:45 pm.	
6:00 pm – midnight	VEFFA Gala Buffet and cash bar http://gala06.wikispaces.com/	Salons E-G and Salon D Marriott Medical Center

Friday, December 29, 2006

7:30 – 8:00 am.	Continental Breakfast	The Commons
8:00 – 12:00 pm	Scientific Sessions (http://www.cs.uiuc.edu/homes/hieule2/VEF2006/)	
	Agricultural Sciences (15) Quach Ngoc Truyen - tnq5xd@mizzou.edu	Room: S3.8355
	Biological Sciences (15) Trinh Quy Bon - bonnbtx@yahoo.com Speaker: Vo Van Toi, Tufts University	Room: S3.8351
	Civil Engineering (15) Le Hoai Chau - chaule2@uiuc.edu	Room: S3.8367
	Chemistry (15) Huynh Kim Lam - huynh@mercury.hec.utah.edu	Room: S3.8003 A & B
	Computer Science (38) Le Khac Hieu - hieule2@uiuc.edu	Room: S3.8371
	Electrical/Computer Engineering (33) Le Tung - tungle1@uiuc.edu	Room: S5.8004 A & B
	Environmental Science/Engineering (15) Pham Thi An Chau – anchau2001@yahoo.com	Room: S1.8331
	Mathematics (15) Do Duc Hanh - ddhanh@gmail.com	Room: S3.8331
	Mechanical Engineering (15) Tran Duc Han - hantran@mail.utexas.edu	Room: S3.8014
	Physics (15) Nguyen Van Tien Dung - n_van_tien_dung@yahoo.com	Room: S3.Computer Lab
	Public Health (22) Room: 102, RAS Building	

Nguyen Cong Nghia - nghia@email.unc.edu Speaker: Palmer Beasley, UT School of Public Health	School of Public Health 1200 Hermann Pressler
12:00 – 1:00 pm	Lunch The Commons
1:00 – 5:30 pm	Professional Development Fair
	Exhibiting Companies The Forum
	Resume/Interview Coach Robin Kessler S3.8003 A & B
	Sessions:
1:00 pm	Careers in Public Health S3.8371 Kim Pham, NIH Palmer Beasley, UT-Houston
1:00 pm	Entrepreneurship and Business Start-up Onstead Auditorium John Nguyen, DICentral Luan Nguyen, Web Office
2:30 pm	Open Courseware – Connexions S3.8371 Hung Tran, VEF Sydney Burrus, Rice Hai V. Tran, GAO
2:30 pm	Intellectual Property Onstead Auditorium T. Chyau Liang, Osha/Liang Kim Pham, NIH
3:30 – 4:00 pm	Break The Forum
4:00 pm	A Common Sense Approach to Grant Writing Onstead Auditorium George Stancel, UT-Houston
1:00 – 5:30 pm	Schedule meetings with Kari Gazdich for visa, travel issues S3.8014
5:30 – 7:00 pm	Reception sponsored by DICentral The Forum
7:00 – 9:00 pm	Dinner (on your own)
9:00 pm	VEFFA Roundtable (optional) The Future of VEFFA Salons D-G Marriott Medical Center

Saturday, December 30, 2006

8:00 – 9:00 am	Breakfast	The Commons
9:00 – 12:00 noon	VEFFA Meeting Fellows' Board of Representatives 2006 Report Legal Status and Funding of VEFFA Future Directions of VEFFA VEFFA Election	Onstead Auditorium
noon – 1:00 pm	Lunch	The Commons
1:00 – 1:45 pm	Assessment of Higher Education Report	Onstead Auditorium
1:45 – 2:30 pm	Phuong Nguyen, VEF Lynne McNamara, VEF Video presentation MOET Minister Nhan	Onstead Auditorium
2:30 – 3:00 pm	Break	The Forum
3:00 – 4:30 pm	Forum with the VEF Board Susan Chun, U.S. Department of the Treasury Trung Dung, BlueKey Services Vo Van Toi, Tufts University Richard Wall, O'Donnell, Waiss, Wall & Meschke Moderators: Hanh M. Bui, University of Pennsylvania Tiendung Le, University of Texas-Austin	Onstead Auditorium
4:30 pm	Conference closing	Onstead Auditorium
7:00 – 11:00 pm	Closing Dinner Buses depart hotel at 6:30 pm and return to hotel at 10:30 pm Kim Son Restaurant 300 Milam Street Houston, TX 77002 http://www.kimson.com/	

APPENDIX 15
ANNOUNCEMENT
Visiting Scholar Program for 2007-08

The Vietnam Education Foundation is pleased to announce the VEF Visiting Scholar Program for Vietnamese nationals who already hold a doctorate in a field of science, technology, engineering, or math—referred to as the STEM disciplines. The Visiting Scholar Program is intended for support of professional development training, which may include studies, research, and/or observational activities, to take place in cooperation with a leading U.S. academic institution. The Visiting Scholar will undertake a program of up to one year in length, which may include formal courses, workshops, seminars, laboratory or field research, or other types of professional development activities. Upon returning to Vietnam, the Visiting Scholar must use the knowledge and skills acquired in the U.S. to train others. In this way, the VEF Visiting Scholar Program is a training-of-trainers (TOT) program.

Background

Since 2003, through the VEF Fellowship Program, VEF has selected and placed Vietnamese nationals in graduate degree programs at leading U.S. universities. In addition to this highly successful graduate-level program, VEF is authorized to establish an international fellowship program for post-graduate level studies in the U.S. With the continued assistance and involvement of the U.S. National Academies, VEF has now finalized its Visiting Scholar Program.

APPLICATIONS for Academic Year 2007-2008

For the 2007-08 academic year, beginning in the fall of 2007 and continuing through the summer of 2008, VEF will fund 10 Visiting Scholars for periods of time ranging from 3 months to one year (12 months).

ONLINE APPLICATION PERIOD: February 1 – April 6, 2007

Deadline for all applications: April 6, 2007

The online application is available at: www.vef.gov

The U.S. National Academies will review Visiting Scholar applications in April and will nominate a group of final candidates. The VEF Board of Directors will approve the final Visiting Scholars and VEF will notify all applicants of their status by **early May 2007**.

All Visiting Scholars are expected to participate in the VEF Pre-Departure Orientation, to be held **June 7 – 12, 2007**, in Vietnam. Depending on the dates of their program in the U.S., Visiting Scholars are also expected to participate in the VEF Annual Conference to be held in the U.S. from **January 2 – 6, 2008**.

SELECTION CRITERIA

VEF has an open, competitive, and transparent application and selection process. The final candidates are selected based on their academic and professional merit, on the quality of their proposed professional development program and the expected outcomes, and on the potential of their future contributions to Vietnam.

Applicants to the Visiting Scholar Program must meet the following **Eligibility Requirements**:

- Be a Vietnamese national.
- Hold a Ph.D. degree in a STEM discipline.
- Demonstrate a high level of English proficiency.

The following **Selection Criteria** will be used to evaluate applicants for the Visiting Scholar Program:

- Evidence of superior academic achievement as a scholar in Vietnam.
- Quality of the professional development plan
Evidenced by a written professional development plan which 1) describes in detail the activities that the applicant will undertake in the U.S., and 2) how this professional development experience will contribute to the advancement of their career in Vietnam.
- Commitment to return to Vietnam to contribute to the educational and scientific development of the country
Demonstrated by a written training plan that describes how the Visiting Scholar applicant will further disseminate the knowledge, skills, and abilities acquired in the U.S. to other Vietnamese scholars.
- Support from the U.S. host institution
Demonstrated by a written statement of support from the proposed U.S. host university, department, and/or faculty member that is demonstrably considered among the best in the field or specialty area.
- Support from the applicant's home institution
Demonstrated in a written document by the candidate's institution/organization in Vietnam or by the Vietnamese institution(s) hosting the training sessions, to train others in Vietnam with the knowledge gained by the Visiting Scholar in the U.S.
- Likelihood of continuing collaboration with the U.S. host institution

While the Visiting Scholars Program is open to all who may be eligible, preference in the selection of Visiting Scholars will be given to faculty members and/or teaching staff of a Vietnamese university, research institute, or other academic institution in Vietnam.

FINANCIAL SUPPORT

VEF provides the following financial support for the Visiting Scholar:

1. Cost of visa application, if any.
2. A pre-departure health check and any vaccinations required by the U.S. host university or institute.
3. Costs related to the VEF Pre-Departure Orientation.
4. A Settling-In Allowance of \$500.
5. A round-trip economy air ticket from Vietnam to the U.S. academic institution.
6. \$2000 stipend per month to cover reasonable living expenses (lodging, meals, local transportation, incidentals, etc.) and any required health/medical insurance in the U.S. The stipend is pro-rated for any partial month.
7. A one-time payment for professional development expenses, such as, books, subscriptions, memberships, and equipment. The amount depends on the length of the program in the U.S.: (1) \$1500 for programs less than 6 months; or (2) \$3000 for programs 6 - 12 months in duration.
8. Approved expenses (i.e., airfare, hotel, and meals) related to the VEF Annual Fellow's Conference.
9. \$2500 for expenses to attend a professional conference in the U.S. related to the Visiting Scholar's field and/or professional endeavors.
10. \$2500 for expenses related to a professional development training program that is separate from the U.S. host university or research institute. The proposed program must be reviewed by the VEF Program Officer to assure that it is allowable as part of one's immigration status before final approval can be given by VEF for the Visiting Scholar to participate.

OTHER SUPPORT BY VEF

1. VEF is the J-1 visa sponsor for the Visiting Scholar and any dependents.
2. VEF will determine which J-1 visa category (Research Scholar, Short-term Scholar, or Non-degree Student) will be appropriate based on the activities of the planned program.
3. The VEF offices in the U.S. and in Vietnam provide ongoing information and assistance.
4. The Visiting Scholar becomes a part of the wide network of VEF Fellows, prior to, during, and after the Visiting Scholar Program.

RESPONSIBILITIES OF THE APPLICANT

As part of the application, the Visiting Scholar Program applicant must provide the following:

1. A curriculum vita (**limit 5 pages**). A sample format is shown in **Appendix A**.
2. A clear and concise description of the project, program, research, and/or the study plan to be undertaken as a Visiting Scholar. Include the objectives, timeline, and expected outcomes and how completion of this plan will contribute to your career advancement in Vietnam. Also include plans for any continued collaboration with the U.S. host institution (**limit 4 pages**).

3. A clear and concise description of a training plan that describes how the knowledge, skills and abilities that you will acquire in the U.S. will be communicated to others in Vietnam.
4. A written commitment from the most appropriate U.S. university or institute, department, and/or faculty member(s) who will serve as your host if you are selected as a Visiting Scholar. It is highly recommended to secure acceptance by one or more institutions that are considered the best in the applicant's particular field of interest. The written commitment must include the following details:
 - a. Dates that the Visiting Scholar will be hosted: expected start and end dates;
 - b. The role of the host institution, department, and/or faculty member(s), including which arrangements for the Visiting Scholar will be handled by the host and which must be managed by the Visiting Scholar;
 - c. Expectations of the host entity regarding the role of, and involvement of, the Visiting Scholar;
 - d. The expected outcomes of the Visiting Scholar's proposed program;
 - e. Support from the host institution for the Visiting Scholar, which may possibly include:
 - i. Financial support, if any;
 - ii. Furnished office or desk space;
 - iii. Use of phone for U.S. and international phone calls;
 - iv. Use of a personal computer (laptop or desktop);
 - v. Use of other equipment, including fax;
 - vi. Use of laboratory space and equipment and any limitations;
 - vii. Use of libraries and other institutional facilities, including any health centers; and
 - viii. Institutional identification card; and
 - f. Any other information that clarifies the arrangements between the host institution and the Visiting Scholar.
5. A written commitment from the candidate's home institution/organization in Vietnam to support the candidacy of the applicant for the VEF Visiting Scholar Program and a commitment by the candidate's home institution/organization and/or by other Vietnamese institutions to support training sessions to train others in Vietnam with the knowledge, skills and abilities gained in the U.S.
6. Details for any professional conferences, professional training programs, or other optional activities, in the U.S. that the applicant wishes to attend.
 - a. Because the Visiting Scholar is primarily in the U.S. for the program at the host institution, conferences and training programs should not exceed ONE WEEK in length.
 - b. Include a written acknowledgement from the host institution, approving attendance at these activities WITHIN THE TIMEFRAME OF THE OVERALL PROGRAM AT THE HOST INSTITUTION. In other words, the Visiting Scholar must attend these activities during the timeframe that the U.S. institution has agreed to host the Visiting Scholar.

- c. Include the location, title, professional sponsoring entity, purpose, dates, and URL for each optional activity. Confirm that the conference grant of \$2500 and/or the professional development training program grant of \$2500 will sufficiently cover expenses.
- d. If the applicant wishes to identify a conference and a training program at a later date, the hosting institution must approve these activities, which will need to take place during the timeframe that the Visiting Scholar is hosted by the U.S. institution.

RESPONSIBILITIES OF THE VISITING SCHOLAR

At the Pre-Departure Orientation, VEF reviews in detail the responsibilities of the Visiting Scholar. Responsibilities include the following:

1. Immediately upon selection as a Visiting Scholar, secure written permission from one's present employer to participate in the Visiting Scholar Program for the duration of the proposed project.
2. Arrange for temporary housing in the U.S. Typically, the U.S. academic institution has services to help Visiting Scholars find appropriate temporary housing, furnished and unfurnished.
3. Pay any required federal and state U.S. taxes on monies received from VEF or from other sources while in the U.S.
4. Pay for any costs related to dependents that accompany or visit the Visiting Scholar while in the U.S.
5. Maintain and pay for all required medical, health, and repatriation insurance while in the U.S.
6. Abide by all procedures and regulations established by VEF, by the U.S. hosting institution, by U.S. immigration authorities, and by all applicable laws.

**VEF welcomes qualified applicants
for the Visiting Scholar Program!**

Appendix A

Sample Curriculum Vita

Name/Contact Information

Academic Training (institutions attended and degrees awarded, postdoctoral and other training, other qualifications and expertise)

Current Positions (dates positions held, responsibilities, brief summary of research you are conducting)

Previous Positions (dates positions held, responsibilities)

Honors and Awards

Memberships (Scientific/Engineering/Honorific Societies)

Research Funding (include grants, contracts or other sources of funding you have received)

Presentations and Invited Talks

Publications (Journal Articles, Conference Proceedings, Books and Book Chapters)

Patents

(Note: This is an example of the categories of information that will be requested in the online application.)

APPENDIX 16
VEF Visiting Scholars in Cohort 2007 (12)
As of Fall 2007

The VEF Visiting Scholar Program debuted in the Fall of 2007 with 12 post-doctoral Vietnamese nationals participating in self-arranged professional development programs taking place during the Academic Year 2007-08 at 12 different U.S. universities under the guidance of specified U.S. professors serving as mentors. The length of training programs varies from a minimum of 3 months to a maximum of 12 months. The table below briefly describes the 2007 Cohort of Visiting Scholars, including their position and home institution in Vietnam as well as their host institution and training program in the U.S.

The table is organized as follows. The first set of Visiting Scholars consists of those with training programs that lasted less than 1 year. This group is sorted first by the length of the training program, from the shortest programs to the longest, and then alphabetically by name. The names are written and sorted in Vietnamese order, starting with the last name, followed by the middle name, and then the first name. The second set of Visiting Scholars consists of those with a training program of 12 months (1 year) and is sorted alphabetically by name in Vietnamese order.

No	LAST Middle First	Gender	Hometown in Vietnam	Research Area	Position at Home Institution in Vietnam	Home Institution in Vietnam	Host Institution in the U.S.	Training Dates (mm/dd/yyyy)	Description of Training Program
Visiting Scholars with training periods shorter than 1 year (5)									
1	TRUONG Thi Anh Dao	F	Hanoi	Physics	Researcher	VAST, Institute of Physics and Electronics	University of Massachusetts, Boston	02/15/2008 to 05/15/2008 (3 months)	Research and Observations in Physics
2	VU Ngoc Ut	M	Can Tho	Agricultural Science	Head, Dept. of Applied Hydrobiology	Can Tho University, College of Aquaculture and Fisheries	Michigan State University	08/15/2007 to 01/15/2008 (5 months)	Research in Biodiversity of Aquatic Organisms
3	NGO Thi Phuong Dung	F	Can Tho	Agricultural Science	Head, Dept. of Food of Biotechnology	Can Tho University, Biotechnology Research and Development Institute	University of California, Davis	12/01/2007 to 07/31/2008 (8 months)	Research in Biotechnology
4	NGUYEN Linh Trung	M	Hanoi	Computer Science	Lecturer, Dept. of Electronics & Tele-communications	VNU Hanoi, College of Technology	Vanderbilt University	01/15/2008 to 09/15/2008 (8 months)	Research in Biomedical Engineering
5	NGUYEN Thi Hien Luong	F	HCMC	Civil Engineering	Lecturer, Dept. of Civil Engineering	VNU HCMC, University of Technology	Florida Atlantic University	10/25/2007 to 08/25/2008 (10 months)	Research in Structural Stability and Technical Diagnosis

No	LAST Middle First	Gender	Hometown in Vietnam	Research Area	Position at Home Institution in Vietnam	Home Institution in Vietnam	Host Institution in the U.S.	Training Dates (mm/dd/yyyy)	Description of Training Program
Visiting Scholars with training periods of 1 year (7)									
1	DINH Thanh Viet	M	Da Nang	Electrical Engineering	Vice Dean, Dept. of Electrical Engineering	University of Danang, University of Technology	Washington State University	08/16/2007 to 08/15/2008	Research in Electric Power Engineering
2	NGO Thi Xuyen	F	Hanoi	Agricultural Science	Lecturer, Dept. of Agronomy	Hanoi Agricultural University	University of California, Riverside	09/01/2007 to 09/01/2008	Research in Molecular Biology
3	NGUYEN Thi Hong Linh	F	HCMC	Mathematics	Lecturer, Dept. of Mathematics & Informatics	VNU HCMC, University of Natural Sciences	Princeton University	08/30/2007 to 08/30/2008	Research in Applied Mathematics
4	NGUYEN Xuan Hoang Viet	M	Hanoi	Electrical Engineering	Deputy Chair, Dept. of Electrical Engineering	VNU Hanoi, University of Technology	Iowa State University	09/01/2007 to 09/01/2008	Research in Electrical Engineering
5	PHAM TRAN Nguyen Nguyen	F	HCMC	Chemistry	Lecturer, Dept. of Chemistry	VNU HCMC, University of Natural Sciences	University of Utah	10/15/2007 to 10/15/2008	Research in Chemistry
6	PHAN Thi Le Minh	F	Hanoi	Chemical Engineering	Lecturer, Dept. of Medical Physics	Hanoi Medical University	Northeastern University	09/10/2007 to 09/09/2008	Interdisciplinary Research in Chemical Engineering
7	TRINH Xuan Hoang	M	Hanoi	Physics	Head, Laboratory of Modeling and Computational Physics	VAST, Institute of Physics and Electronics	Pennsylvania State University	09/01/2007 to 08/31/2008	Research in Biophysics

APPENDIX 17

Terms and Conditions of the Visiting Scholar Grant

Name of Recipient: «Last» «Middle» «First»
VEF ID Number: «VEF_ID»
Cohort Year: «Cohort_»
Date of Birth: «DOB»
Vietnam Address: «Vietnam_Address»

June 1, 2007

Congratulations! You have been awarded a Visiting Scholar Grant by the Vietnam Education Foundation (VEF), a U.S. Federal Government agency, to pursue professional development training in the United States. Your grant is for a full-time program in your field of study as described below. As a recipient of the grant, you are expected to meet and maintain the requirements of your university, to abide by the Terms and Conditions as described herein, and to comply with all U.S. J-visa regulations.

This document supersedes all previous written documents and serves as the prevailing grant agreement between you and VEF. It is important that you fully understand all of the information herein and confirm your acceptance of the grant award, also referred to as a Visiting Scholar Grant by initialing respective sections where requested and signing your name on the last page.

The *Terms and Conditions of the Visiting Scholar Grant* must be signed by you before VEF can issue a Form DS-2019 for your J-visa application. Please sign and return the original of this document to VEF no later than seven (7) days after receipt. You should also keep a copy for your personal records.

GRANT PERIOD

Grant Start Date: «Grant_Start_Date»
Grant End Date: «Grant_End_Date»

For a Visiting Scholars Program, the maximum grant period is one year; and the minimum grant period is 3 months.

If you complete your authorized program before the above Grant End Date, your completion date will replace the above Grant End Date.

VISITING SCHOLAR PROGRAM

University: «University»
School/College: «SchoolCollege»
Department: «Department»
Subject field: «Subject Field»

VISITING SCHOLAR PROGRAM COMPLETION

You are expected to complete the full period of the Visiting Scholar Program as specified under the Grant Period stated above and to obtain approval from VEF for any further stay beyond this period. Should a personal emergency necessitate a disruption of your intended program and require your early departure, you must obtain prior approval from VEF.

GRANT CONTINUANCE

The continuation of your Visiting Scholar Grant depends upon:

1. Full compliance with the terms and conditions of this document.
2. Positive rapport and cooperation with your host institution.
3. Evidence of your research progress toward program completion.

Sign here to acknowledge your agreement. _____

PROGRAM STATUS AND DEVELOPMENT

In order to maintain funding and your grant status during the grant period, you must be working full-time during your time in the United States and making satisfactory progress in your intended work plan. If you have any difficulty, you must seek assistance immediately from your faculty mentor and determine how to overcome your deficiencies. VEF requires for you to submit a midterm report (for any program length 6 months or longer) and a final report, both accompanied by a statement from your host institution department/faculty contact, and a refined Training of the Trainers (TOT) plan to accompany the final report. You must respond within the timeframe indicated in each request. Reports will be completed and submitted via the Online Management System (OMS). ***At the end of the Visiting Scholar Program, you are required to provide a final report to VEF no later than 30 days after the end date of your program. VEF requires a report on the progress and outcomes of the TOT program in Vietnam no later than 1 year after the end date of your program. In addition, you are requested to inform VEF about, and invite VEF to, any activities related to your TOT program.***

Sign here to acknowledge your agreement. _____

FINANCIAL INFORMATION

Please note: *It is recommended that you bring supplementary funds of your own to help cover miscellaneous expenses that you might incur.*

Your VEF grant conforms to the following financial support plan and you will be responsible for planning and using your resources carefully to cover your financial obligations:

The Visiting Scholar Grant will be provided to you directly. Details are as follows:

1. Accident/Illness Health Insurance: Paid one time at the beginning of your intended program
2. Professional Development Grant of \$1,500 for a program up to 6 months and \$3,000 for a program over 6 months; Paid one time at the beginning of your intended program
3. Monthly stipend of \$2,300 from which required U.S. taxes will be withheld at a rate of 30%; paid through the National Academies.

In your case, this Visiting Scholar Grant support will end on «Visiting Scholar Program Grant»

Sign here to acknowledge your agreement. _____

Additional financial support for all Visiting Scholars: VEF also pays for:

- A settling-in allowance of \$500 given directly to you during the pre-departure orientation in Vietnam to be used for personal incidental expenses in the United States;
- All costs related to the pre-departure orientation training, initial visa application fees (if any), and physical exam in Vietnam; and
- Costs of a round-trip economy-class plane ticket from Vietnam to the airport nearest to your university;

- Professional conference grant of \$2,500 and professional development training grant of \$2,500:
 - During your training program in the United States, you are encouraged to participate in a professional conference related to your field; and/or a short professional development training program that is separate from the U.S. host university or research institute to further develop your training areas and your relationship with the scientific community in the United States or in other countries. VEF supports you in the form of a grant which will be provided directly to you once your application for the grant is approved.

Annual VEF Fellows Conference: To facilitate interaction among our Fellows and Visiting Scholars and with the U.S. scientific community, VEF hosts an annual conference. During the grant period, VEF will pay for the following costs for you to attend the conference: round-trip economy airfare from your university, lodging; a fixed allowance to cover transportation to/from airports and incidentals; and registration (if any). All VEF Visiting Scholars are required to attend this annual conference if their program dates occur during the time of the annual conference.

Sign here to acknowledge your agreement. _____

EMPLOYMENT

Under U.S. immigration laws, Visiting Scholars are not permitted to engage in, or receive compensation for, any work other than what is involved in the intended program with the department and university specified in this grant letter and/or as described below. Employment or work outside of your intended work plan is considered illegal and could result in termination of your fellowship grant and J-1 visa status.

Under U.S. immigration laws, Visiting Scholars are permitted to engage in a one-time or occasional guest lecture, talk, or consultation and receive an honorarium *with prior written approval from VEF*. Failure to receive written permission from VEF prior to performing the one-time duty will be a violation of your J-1 scholar status.

COMMUNICATIONS WITH VEF

You must get permission from VEF for any changes in your current or future plans that differ from the program authorized in this document. You must also inform VEF of any problems or concerns at your host institution and of any medical or personal emergency situations. Your primary contact at VEF is:

Ms. Kari Gazdich
 Vietnam Education Foundation (VEF)
 2111 Wilson Blvd., Suite 700
 Arlington, VA 22201
 Phone: 703-785-7982
 Email: karigazdich@vef.gov

Mailing address:
 623 East Waterfront Dr.
 Apt. 6307
 Munhall, PA 15120
 Phone: 703-785-7982
 Email: karigazdich@vef.gov

Send all correspondence to Ms. Gazdich (karigazdich@vef.gov), copying VEF (vsp@vef.gov)
Always include your name and VEF identification number in the subject line of your email.

REPORTING INFORMATION TO VEF

You are required to report the following information to Kari Gazdich, who serves VEF as Responsible Officer for immigration purposes, in order to maintain your valid nonimmigrant status. **This information must be reported in the OMS. The OMS will then send Ms. Gazdich automatic emails notifying her each time you update your information. You must report all of the following via the OMS:**

1. Residential address and contact information. U.S. Federal immigration regulations require that you send to Ms. Gazdich your local U.S. host institution and residential address and other contact information (including telephone number and e-mail address). You must report the address of the actual physical location where you are residing in the United States to Ms. Gazdich ***within ten (10) days of your arrival***. Throughout the period of your grant, you must keep Ms. Gazdich informed of any subsequent changes to your address or contact information ***within ten (10) days of the change***. If the address where you receive mail is different from where you physically reside, you must inform Ms. Gazdich of both addresses. Do not use post office boxes for either your residential or mailing addresses.

2. International travel. You must inform Ms. Gazdich ***before you begin any travel*** outside of the United States during your grant period by completing the required application in the OMS. You must have your Form DS-2019 endorsed by Ms. Gazdich **before** you travel in order to be able to return to the United States. If you will need to apply for a new J-1 visa while abroad, you must allow adequate time during your trip to get this done.

Sign here to acknowledge your agreement. _____

J-1 EXCHANGE VISITOR VISA

VEF will provide you with a Form DS-2019 to secure a J-1 visa under the Exchange Visitor Program as required by your VEF grant. You are personally responsible, financially and otherwise, for making all arrangements for securing your passport. Your visiting scholar grant is available only if you can obtain a passport and a J-visa with the 2-year home residency requirement. VEF will be responsible for documentation required to extend your permission to stay in the United States throughout the period of your authorized VEF Visiting Scholar participation.

Upon expiration of your Exchange Visitor J-1 visa status, you are required to reside in your home country, Vietnam, for two years before you may apply for the following: (1) a nonimmigrant (H or L) visa as a temporary worker; (2) permanent residence in the United States; or (3) an immigrant visa. During these two years, you may be able to enter the United States on other visa types, such as visitor or business visas, if granted.

HEALTH INSURANCE

As a condition of your J-1 visa you are required, by law, to maintain health insurance coverage, which includes medical evacuation and repatriation insurance, for yourself and any of your dependents in J-2 status for the duration of your program in the United States. Required coverage amounts are listed on page 2 of your Form DS-2019 or herein below, under the section entitled "Responsibility for Dependents." A willful failure to carry insurance for your dependents is considered a violation of your J-1 scholar visa and of the VEF Visiting Scholar Program, and under the law requires termination from the VEF Exchange Visitor Program.

VEF will arrange for you to have accident/illness health insurance coverage, which includes medical evacuation and repatriation insurance according to the required coverage amounts listed on page 2 for your Form DS-2019 from the time you leave Vietnam throughout the duration of your program.

Additional health insurance that may cover annual doctor's visits and/or dental insurance can be purchased at your own expense through your university after arriving in the United States. Insurance coverage and associated fees for dependent family members in J-2 status are your own responsibility. You are responsible for knowing what your insurance does or does not cover. Please read your policy thoroughly.

Sign here to acknowledge your agreement. _____

RETURN TO VIETNAM

VEF is a Government agency. By accepting this grant from VEF, you agree to get a J-visa with a two-year home residency requirement, which mandates that you return to Vietnam upon completion of your authorized education and training period in the United States. Failure to do so will be seen as noncompliance with the grant terms and with your J-visa requirements and could result in legal action by the U.S. Government. This legal action could negatively impact your ability to travel to the United States in the future.

REVISION OF TERMS

VEF reserves the right to revise or adjust these grant provisions, if conditions require, without prior consultation with, or agreement by, you. Conditions may include late arrival, extended travel outside of the United States, changes in financial resources available to you in the United States, and failure to maintain satisfactory research progress or valid J-1 status. You must report to VEF in writing any grants, other awards, or employment opportunities not described in this document.

Sign here to acknowledge your agreement. _____

RESPONSIBILITIES

You are responsible for observing satisfactory professional standards and for maintaining a standard of conduct and integrity which is in keeping with the spirit and intent of the VEF Visiting Scholars Program and which will contribute positively to promotion of mutual understanding between the people of the United States and Vietnam. You are expected to obey U.S. laws during your stay in the United States. You are also expected to abide by the rules and regulations of your host institution.

Sign here to acknowledge your agreement. _____

REQUIRED IDENTIFICATION NUMBER

As a recipient of grant income in the United States, you are required to obtain a Social Security Number or Individual Tax Payer Identification Number, which you must act quickly to secure upon arrival in the United States. Please inform VEF of this number as soon as possible.

TAXES

The National Academies is required to withhold federal, state, and, in some instances, local taxes from the monthly stipend payments that they make to you and to report this income to the Internal Revenue Service (IRS) annually. Your actual tax liability is determined when you file your income tax return(s), which must be completed following the close of the tax (calendar) year. In the event the tax liability is less than the amount withheld, you may receive a tax refund directly from the IRS. For filing options and further rules, you should consult a tax professional and/or the IRS. Even if you have already departed the United States, you will need to file a tax return for the prior calendar year. **Failure to file with the various tax authorities may result in termination of your grant.**

Sign here to acknowledge your agreement. _____

REVOCAION, TERMINATION, OR SUSPENSION OF AWARD

1. The VEF Visiting Scholar Grant may be revoked, terminated, or suspended. In a revocation, the grantee is considered as not having received the grant and will not be an alumnus or alumnae of the VEF program. In a termination, unless otherwise stated, the grant will be considered to have ended when VEF announces its decision to terminate. In a suspension, the grant will be considered inoperative until a decision is made to reinstate, revoke, or terminate the grant.

2. If you fail to obtain any legally required permission from your current employer to leave for this training program, or fail to obtain a proper J-1 visa and enter the United States, the grant offer will be revoked by VEF.

3. If you fail to sign and return this *Terms and Conditions of the Visiting Scholar Grant* letter within seven (7) days after receiving it, the grant offer may be revoked by VEF.

4. Your host institution has the authority to recommend to VEF to revoke or terminate the grant. If revocation or termination is recommended, the grantee will have an opportunity to respond to the recommendation. A review of the circumstances will be considered by VEF before a final decision is made.

5. Grounds for revocation or termination include, but are not limited to: (1) violation of the laws of the United States, (2) any act likely to give offense to the United States because it is contrary to the spirit and mission of VEF, (3) failure to observe satisfactory academic or professional standards, (4) physical or mental incapacitation, (5) engaging in unauthorized income-producing activities, (6) failure to comply with the grant's terms and conditions, (7) misrepresentation made either orally or in writing in any VEF forms or in any documents related to this grant, (8) violation of visa regulations or SEVIS (Student Exchange Visitor Information System) reporting requirements, and (9) any conduct detrimental to the mission of VEF.

VEF also has authority to terminate a grant on either of the following grounds: (1) if the grantee has exhausted all benefits of health and accident insurance provided to the grantee in connection with the grant, and continued medical treatment would lead to the grantee becoming a public charge, or (2) if the grantee requires such protracted medical treatment that successful completion of the objectives of the grant is jeopardized. The procedure for any such termination shall be the same as that provided for the termination of grants generally, except that the recommendation for such termination, supported by the corresponding factual information, shall be made by VEF. In the event any such grounds occur during the period of a grant, it is VEF's policy that such grant should not be renewed or extended.

6. A grant may be suspended if: (1) the grantee ceases to carry out the training program during the grant period, and/or (2) the grantee leaves the United States without prior authorization from VEF, and/or (3) the grantee requests suspension of the grant for personal reasons. During a period of suspension, the grantee will not receive any allowance or benefits. Unless otherwise authorized by VEF, no retroactive claim for such allowances or other benefits with respect to a period of suspension will be honored.

7. Grantees who remain in the United States beyond periods authorized by VEF are subject to the provisions of this section.

Sign here to acknowledge your agreement with this entire section, # 1 - 7. _____

RESPONSIBILITY FOR DEPENDENTS

None of the agencies, organizations, or persons cooperating in providing your grant can assume any responsibility for the travel, insurance, and/or financial support of any dependents. However, you may request visa support from VEF for your dependents to join you in the United States. VEF recommends that your spouse have a basic English language skill level, demonstrated with a score of at least 450 on the TOEFL exam.

By U.S. law, you are required to provide adequate health and accident insurance for any dependents that accompany you. Failure to do so violates the terms and conditions of the J-visa and this grant award and may result in termination of your grant. At a minimum, the dependent insurance must provide the following benefits: **(1)** medical coverage of at least \$50,000 per person per accident or illness; **(2)** repatriation of remains in the amount of \$7,500; and **(3)** medical evacuation benefits of at least \$10,000. In addition, a qualified insurance program shall not have a deductible that exceeds \$500 per accident or illness; and it must meet other technical standards as specified in the Exchange Visitor Program regulations. More details about J-2 visas are available at the VEF website. You must submit to VEF the application for J-2 visa support.

Sign here to acknowledge your agreement. _____

OTHER PROGRAMS

VEF has no responsibility, financial or otherwise, in connection with any program other than that specified in this *Terms and Conditions of the VEF Visiting Scholar Grant* letter.

ACCEPTANCE OF TERMS AND CONDITIONS OF THE VEF VISITING SCHOLAR GRANT

Sign below and return to VEF the original of this *Terms and Conditions of the VEF Visiting Scholar Grant*, known also as the grant letter, to indicate that you understand, accept, and will comply with all provisions stated in these *Terms and Conditions of the VEF Visiting Scholar Grant* as a VEF Visiting Scholar.

By my signature, I accept the terms and conditions appearing on all pages of this document and any addenda. My signature confirms my understanding of, and compliance with, these terms and confirms my agreement to return to Vietnam for two years upon completion of my authorized training program. Furthermore, my signature gives VEF permission to request progress reports from my host institution.

PRINT NAME: _____

SIGNATURE: _____ **DATE:** _____

APPENDIX 18

Academic Activities of American Scientists/Experts in Vietnam

From October 1, 2006 - September 30, 2007

SUMMARY: From October 1, 2006 to September 30, 2007, VEF supported 20 American scientists/experts, representing 20 different U.S. academic institutions or organizations, to conduct 28 various academic activities, including 8 workshops, 19 lectures, and 1 online interview. The activities took place in locations throughout Vietnam: in the north, the south, and the center of the country. The following table is organized first by the type of activity, then by the chronological order of the events, and finally by the alphabetical order of the last names of the scientists/experts.

#	Event/Date	Scientist(s)/ Expert(s), Position	Affiliation	Title of Presentation(s)	Co-Sponsor (s) and/or Host Institution(s)
(8) Workshops					
1	Workshops to support the development of Vietnam OpenCourseWare (VOCW) Hanoi: June 14 & 15, 2007 HCMC: June 17 & 18, 2007	Philip Doughty , Associate Professor, Chair of Instructional Design Development and Evaluation, School of Education,	Syracuse University	Course Design and Evaluation for Vietnam OpenCourseWare	Ministry of Education and Training (MOET)
2	Follow-up Workshop on two VEF reports on the status of higher education in Vietnam Hanoi, August 2 -3, 2007	H. Ray Gamble Director, Fellowships Office, National Research Council	U.S. National Academies	Opportunities for Enhancing STEM (Science, Technology, Engineering, and Mathematics) Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education	Ministry of Education and Training (MOET)
		Peter J. Gray , Director of Academic Assessment, Faculty Enhancement Center	United States Naval Academy		
		John Hopcroft , IBM Professor of Engineering & Applied Mathematics, Department of Computer Science	Cornell University		
		Lynne A. McNamara , Deputy Executive Director	Vietnam Education Foundation		
		Isaac F. Silvera , Thomas Dudley Cabot Professor of the Natural Sciences, Lyman Laboratory of Physics	Harvard University		
Neal Van Alfen , Dean, College of Agriculture and Environmental Sciences	University of California, Davis				

#	Event/Date	Scientist(s)/ Expert(s), Position	Affiliation	Title of Presentation(s)	Co-Sponsor (s) and/or Host Institution(s)		
(8) Workshops (continued)							
3	Workshop on Higher Education Enhancement/ August 6, 2007	Peter J. Gray , Director of Academic Assessment, Faculty Enhancement Center	United States Naval Academy	Developing Student Learning Outcomes: An Introduction	VNNU Hanoi, University of Science		
4	Workshop on Higher Education Enhancement/ August 7, 2007			Strategic and Tactical Planning for Educational Enhancement	Hanoi National University of Education		
5	Workshop on Higher Education Enhancement/ August 9, 2007			Strategic and Tactical Planning for Educational Enhancement	University of Da Nang		
6	Workshop on Higher Education Enhancement, August 10, 2007			1. Developing Student Learning Outcomes: An Introduction 2. Evaluating Educational Excellence of Institutions, Programs and Courses	Vietnam National University – Ho Chi Minh City (VNU HCMC)		
7	Workshop on Higher Education Enhancement/ August 11, 2007			Strategic and Tactical Planning for Educational Enhancement	VNU HCMC		
8	Workshop on Higher Education Enhancement/ August 13, 2007			1. Developing Student Learning Outcomes: An Introduction 2. Evaluating Educational Excellence of Institutions, Programs and Courses	Ho Chi Minh City University of Pedagogy, Institute for Educational Research		
(19) Lectures							
1	Interview Mission/ August 6, 2007			Robert D. Hanson , Professor Emeritus of Civil Engineering, College of Engineering	University of Michigan	Design for Vertical Evacuation from Tsunami	VAST, Institute of Mechanics
2	Interview Mission/ August 6, 2007	SonBinh Nguyen , Dow Professor of Chemistry, Department of Chemistry	Northwestern University	Graphene Sheets and their Nanocomposites	VAST, Institute of Chemistry		
3	Interview Mission/ August 8, 2007				VNU Hanoi ,University of Science, Faculty of Chemical Engineering, Hanoi		

#	Event/Date	Scientist(s)/ Expert(s), Position	Affiliation	Title of Presentation(s)	Co-Sponsor (s) and/or Host Institution(s)
(19) Lectures (continued)					
4	Interview Mission/ August 6, 2007	George Stancel , Dean, Graduate School of Biomedical Sciences	University of Texas Health Science Center at Houston	Organization, Operation, and Governance of Inter- disciplinary and Inter- Institutional Graduate (Ph.D.) Programs in Biomedical Sciences	Hanoi University of Agriculture
5	Interview Mission/ August 6, 2007	James N. Walbert , Adjunct Professor of Mathematics	Marymount University	The Best-Kept Secret of Computational Mathematics	VAST, Institute of Mathematics
6	Interview Mission/ August 7, 2007	John Hopcroft , IBM Professor of Engineering & Applied Mathematics, Department of Computer Science	Cornell University	Future Directions in Computer Science	Hanoi University of Technology
7	Interview Mission/ August 7, 2007	Vernon Snoeyink , Professor of Environmental Engineering Emeritus, Ivan Racheff Professor, Department of Civil Engineering	University of Illinois, Urbana - Champaign	Drinking Water: Treatment to Minimize Water Quality Changes and Energy Losses during Distribution	Water Resources University
8	Interview Mission/ August 7, 2007	Neal Van Alfen , Dean, College of Agriculture and Environmental Sciences	University of California, Davis	A Disease of a Disease- Causing Fungus: An Opportunity to Understand the Molecular Basis of Virulence and Development of a Plant Pathogenic Fungus	Hanoi University of Agriculture
9	Interview Mission/ August 8, 2007	Chandrajit Bajaj , Computational Applied Mathematics Chair in Visualization, Department of Computer Science & Institute for Computational and Engineering Sciences (ICES)	University of Texas, Austin	Computer Sciences Research in the Biological Sciences	VAST, Institute of Biotechnology

#	Event/Date	Scientist(s)/ Expert(s), Position	Affiliation	Title of Presentation(s)	Co-Sponsor (s) and/or Host Institution(s)
(19) Lectures (continued)					
10	Interview Mission/ August 8, 2007	Kenneth Case , Regents Professor Emeritus of Industrial Engineering, School of Industrial Engineering & Management	Oklahoma State University	The USA's Malcolm Baldrige National Quality Award: Evolution as a Worldwide Roadmap for Organizational Performance Excellence	Ministry of Science and Technology (MOST), National Institute for S&T Policy (NISTPAS)
11	Interview Mission/ August 8, 2007	James Cremer , Professor and Chair, Computer Science Department	University of Iowa	Virtual Environments Graphics, Graphics, and Human - Computer Interaction Research at The University of Iowa	Hanoi University of Education, Department of Information Technology
12	Interview Mission/ August 8, 2007	James Curry , Chair, Department of Applied Mathematics	University of Colorado, Boulder	Non-Negative Matrix Factorization: The Extreme Data Property and Ill-Posedness	VNU Hanoi , University of Science, Faculty of Mathematics, Mechanics, & Informatics
13	Interview Mission/ August 10, 2007				VNU HCMC University of Natural Science, Faculty of Mathematics
14	Interview Mission/ August 8, 2007	Laura H. Lewis , Department Chair & Cabot Professor of Chemical Engineering	Northeastern University	Nanostructured Routes to Extreme Phenomena in Magnetic Materials	VAST, Institute of Materials Science
15	Interview Mission/ August 8, 2007	Guy Parcel , Dean & M. David Low Chair in Public Health, School of Public Health	University of Texas Health Science Center/Houston	Intervention Mapping: Planning Theory and Evidence-Based Health Promotion Programs	Hanoi School of Public Health
16	Interview Mission/ August 11, 2007				HCMC University of Medicine and Pharmacy
17	Interview Mission/ August 8, 2007	John Savage , Professor of Computer Science, Computer Science Department	Brown University	Addressing of Self-Assembled Nanoarrays	Post & Telecoms Institute of Technology

#	Event/Date	Scientist(s)/ Expert(s), Position	Affiliation	Title of Presentation(s)	Co-Sponsor (s) and/or Host Institution(s)
(19) Lectures (continued)					
18	Interview Mission/ August 8, 2007	Isaac Silvera , Thomas Dudley Cabot Professor of the Natural Sciences, Lyman Laboratory of Physics	Harvard University	Hydrogen at Ultra High Pressure: The Quest for Metallic Hydrogen	VAST, Institute of Physics and Electronics
19	Interview Mission/ August 10, 2007				VNU HCMC, University of Technology, Faculty of Applied Science
(1) Live Online Interview on VietnamNet					
1	(Following VEF Pre-Orientation Departure)/ June 12, 2007	Malcolm Gillis , Zingler Professor of Economics	Rice University	Establishment and Development of High- Quality Universities in Vietnam	VietnamNet

APPENDIX 19

The Second International Conference on the Development of Biomedical Engineering (BME) and the 2nd Young Vietnamese Scientists Meeting (YVSM)

The 2nd BME Conference & The 2nd YVSM PROGRAM July 25-27, 2007

Day 1: July 25, 2007

7:30 – 8:30 Registration

OPENING SESSION

Chairs: Dr. Vo Van Toi, Dr. Phan Xuan Dung and Dr. Nguyen Trong Giang

8:30 – 8:40 Welcome notes and announcements from Conference General co-Chairs: **Dr. Vo Van Toi**, Vietnam Education Foundation, USA and **Dr. Phan Xuan Dung**, National Center for Technological Progress, Vietnam

8:40 – 8:50 Welcome speech by **Prof. Hoang Ba Chu**, Rector of Hanoi University of Technology (HUT)

8:50 – 9:00 Speech by the **Minister Hoang Van Phong**, Ministry of Science and Technology

9:00 – 9:10 Speech by Representative of Ministry of Health

9:10 – 9:40 Keynote Speaker: Dr. Regis B. Kelly, Director of QB3, USA: **“Bioengineering in QB3 and its Pertinence to Vietnam”**

9:40 – 10:00 Coffee Break

SESSION: Applications of Ultrasound in BME

Chairs: Dr. Vo Van Toi and Dr. Phan Xuan Dung

10:00-10:30 Keynote Speaker: K. Kirk Shung, University of Southern California, USA: **“High Frequency Ultrasound”**

10:30-10:50 Hiroshi Kanai, Tohoku University, Japan: **“Assessment of Myocardium by Vibration Measurement”**

10:50-11:10 Annemieke van Wamel and Molewaterplein, Thoraxcentre, Netherlands: **“Ultrasound Contrast Agents for Molecular Imaging and Local Drug Delivery”**

11:10-11:30 John Hossack, University of Virginia, USA: **“Cardiac Dysfunction and Dyssynchrony in Mice Post Myocardial Infarction Assessed Using High Frequency Ultrasound”**

11:30-11:50 Yongping Zheng, The Hong Kong Polytechnic University: **“Sonomyography: Quantitative and Dynamic Assessment of Muscle Contraction Using Ultrasound”**

11:50- 13:00 Lunch

SESSION: Biomedical Research and Instrumentations

Chairs: Dr. Thai D Nguyen and Dr. Truong Nam Hai

13:00-13:30	Keynote Speaker: Michael Karin, Professor of Pharmacology, Distinguished Professor, American Cancer Society Research Professor, University of California, San Diego, USA: “How Inflammation Affects Cancer Development and Progression: the Ikk Complex and Beyond”
13:30-13:50	Pham Thi Ngoc Yen, Hanoi University of Technology, Vietnam: “ECG System for an Investigation of Volunteer APNEA”
13:50-14:10	Tran Duy Linh, Huynh Quang Linh, HCMC University of Technology, Vietnam: “Medical Image Registration in MATLAB”
14:10-14:30	Vu Duy Hai, Hanoi University of Technology, Vietnam: “Building Program to Control and Display Biomedical Parameters on DOS System’s Embedded PC with Vietnamese Language Display”
14:30-14:50	Hoang Manh Ha, College of BioMedical Instrumentations, Vietnam: “Variable Step Size LMS Filter for ECG Signals”
14:50-15:10	Le Huy Phuong, Vietnam National University, Hanoi: “Implementation of Time-Frequency Blind Source Separation in EEGLAB”
<i>15:10-15:30</i>	<i>Coffee Break</i>

SESSION: Molecular and Cellular Biology in Medicine

Chairs: Dr. Ryan T. Phan and Dr. Ta Thanh Van

15:30-16:00	Keynote Speaker: Pham Thi Tran Chau, Vietnam National University, Ha Noi: “Study on Trypsin Inhibitors in Vietnam”
16:00-16:20	Phan TT, Lim IJ, National University of Singapore; Cell Research Corporation, Singapore “Umbilical Cord Lining Membrane: A Readily Available and High Yielding Source of Epithelial and Mesenchymal Stem Cells”
16:20-16:40	Ta Thanh Van, Tran Van Khanh, Alfredo Fusco, Carson DD, Farach-Carson MC, Hanoi Medical University, Hanoi, Vietnam; University of Naples, Italy; and University of Delaware, USA: “Up Regulation of Heparan Sulfate Interacting Protein (HIP/L29) in Some Cancer Tissues”
16:40-17:00	Yoshikazu Nakamura, University of Tokyo, Japan: “RNA as a Structure-Creating material: Fundamentals to Therapeutics”
17:00-17:20	Jun Zhang, Zheng-gang Zhu, Feng Cheng, Guan-xiang Qian, Kemin Wang, Shishu Chen, GI Surgical Oncology Ruijin Hospital, Shanghai Jiaotong University Medical School and Shanghai RAAS Inc, China: “Serial Clinical Studies on IL-2 Gene-Modified Allogenic Gastric Cancer Vaccine in Treating Far-Advanced Gastric Cancer Patients: Preliminary Results in China”
17:20-17:40	Do Vu Phuong Uyen, Nanogen Biopharmaceutical Ltd, Vietnam: “On-Column Refolding of Recombinant Proteins From <i>E.Coli</i> Inclusion Bodies”
17:40-18:00	Kozaburo Hayashi, Emiko Shimizu, and Kei Mori, Okayama University of Science, Japan: “Biomechanical Response of Vascular Wall to Hypertension”
<i>18:30-20:30</i>	<i>Welcome Party buffet in Trade Union Hotel 14 Tran Binh Trong, Hanoi</i>
	Invited speaker: Mrs. Thu Meecham, RAAS Corporation, Vietnam. “RAAS Vietnam Biotech Park”

Day 2: July 26, 2007

SESSION: Biomechanics, Modeling and Imaging Technology

Chairs: Dr. Regis Kelly and Dr. Tran Minh Thai

- 8:30-9:00 Keynote Speaker: Dr. Christian Roux, LaTIM, GET – ENST Bretagne / INSERM U650, France: **“Image and Information Guided Orthopedic Surgery”**
- 9:00-9:20 Roger Tran-Son-Tay, Minki Hwang, Scott Berceci, Keith Ozaki, and Marc Garbey
Department of Mechanical and Aerospace Engineering, Department of Biomedical Engineering, Section of Vascular Surgery – University of Florida, Department of Computer Science, University of Houston, USA: **“A Mathematical Model of Vein Graft Remodeling Induced by Shear stress”**
- 9:20-9:40 Marie-Christine HO BA THO, Universite de Technologie de Compiègne (U.T.C), Biomecanique et Genie Biomedical, France: **“Patient Specific Bone And Joints Deformities Evaluation In Children”**
- 9:40-10:00 JCH Goh, PVS Lee, SL Toh, National University of Singapore: **“Advances in Prosthetic Socket Design and Fabrication”**

10:00-10:20 Coffee Break

SESSION: Biotechnology I

Chairs: Dr. Duong P. Huynh and Dr. Tran Ngoc Liem

- 10:20-10:50 Keynote Speaker: Dr. Bruce May, Nanogen Biopharmaceutical, Vietnam: **“Generic Biopharmaceuticals in Vietnam”**
- 10:50-11:10 Pham Hung Van, Nguyen Pham Thanh Nhan, Nguyen Van Thinh, Vo Duc Xuyen An, Nam Khoa Biotechnology Inc., Vietnam **“Develop the RT-PCR Based Kit That Can Be Applied in the Clinical LAB. With PCR Facilities to Detect and Genotyping the Dengue Virus in Patients’ SERA”**
- 11:10-11:30 Henry T. Nguyen, National Center for Soybean Biotechnology, University of Missouri-Columbia, USA: **“Biotechnology: Advances in Agriculture, Medicine and new Frontiers”**
- 11:30-11:50 Binh Nguyen-Quoc, Biotechnology Center of Hochiminh City, Vietnam: **“Production of Generic Insulin and Other Biopharmaceuticals Products in Vietnam”**
- 11:50-12:10 Isaac A Chang, Fatemeh Razjouyan, Uyen Nguyen, U.S. Food and Drug Administration, George Washington University, Catholic University of America, USA: **“Consideration For Steady State Thermal Injury Analysis for RF Ablation Devices”**

12:10- 13:20 Lunch

SESSION: Biotechnology II

Chairs: Dr. Marie-Christine Ho Ba Tho and Dr. Huynh Quang Linh

- 13:20-13:50 Keynote Speaker: Steve Widen. University of Texas at Galveston, USA: **“Gene Synthesis”**
- 13:50-14:10 Keith Anderson, Stanford University: **“Nanoliter PCR”**.
- 14:10-14:30 Vo Cam Quy, Vietnam National University – Ho Chi Minh City, Vietnam: **“Building up a Tool to Classify Protein and Construct Database Automatically, Applying to Lipase, Cellulase, Glucoamylase”**

14:30-14:50 Nghiem Nguyet Thu, National Institute of Nutrition, Vietnam: **“The Effects of Candidate Genes of Lipid Metabolism on Plasma Lipid and Lipoproteins in Vietnamese”**

14:50-15:00 Coffee Break

10:10-10:30 Rho Hyun Seong, Seoul National University, Korea: **“Regulation of CD4/CD8 T-Cell Lineage Differentiation”**

SESSION: Education in BME and Technology

Chairs: Dr. Roger Tran Son Tay, and Dr. Nguyen Duc Thuan

10:30-10:40 Coffee Break

National University of Singapore”

15:20-15:40 Kozaburo Hayashi, Okayama University of Science, Japan: **“New Department of Biomedical Engineering at Okayama University of Science”**

15:40-16:00 Peter Heimann, Andrei Issakov, Hoang Quoc Khanh, and Laurent Manginot, Hue Central Hospital, Vietnam, Luxembourg-Development, Luxembourg, and World Health Organization, Geneva, Switzerland: **“Integrated Healthcare Technology Management System at The Hue Central Hospital”**

16:00-16:20 Le Quang Hoa, Hanoi University of Technology: **“Optimized Procedure of Suppression Subtractive Hybridization Microarrays for Detection of Transcripts Differentially Expressed During a Salt Stress in Rice Roots”**

16:20-16:40 Mai Anh Tuan, Hanoi University of Technology: **“Investigation of Electrochemical DNA Sensor for Biomedical Application”**

16:40-17:00 Chuong Huynh, NIH/NLM/National Center for Biotechnology Information, USA: **“Full Text access to the Biomedical Scientific Literature in Vietnam: What You Need to Know”**

17:00-17:20 Do Dinh Ho, Truong Thi Dieu Hong, and Pham Hung Van, Vietnam National University-Ho Chi Minh City: **“A Private Biotechnology Manufacture-Why Not?”**

17:20-19:30 Poster Session and Dinner Buffet at HUT

Day 3: July 27, 2007

SESSION: A-IMBN and Biomedical Research

Chairs: Dr. Kirk Shung and Dr. Pham Thi Tran Chau

8:30-9:00 Keynote Speaker: Jeongbin Yim, President A-IMBN, Director of Bio-X National University of Korea: **“The Asia-Pacific International Molecular Biology Network (A-IMBN)”**

9:00-9:30 Keynote Speaker: Ken-Ichi Arai, Founding President of Asia Pacific IMBN, University of Tokyo, President & CEO, SBI Biotech-Ginkgo Biomedical Research Institute, Japan: **“New Horizons in Genomic Medicine and Personalized Health Care Sciences: Vietnam and Asian Perspectives”**

9:30-9:50 N. Arai, S. Namiki, K. Ishida, M. Cho, T. Nyugen, Y. Kamogawa, K. Arai. Ginkgo Biomedical Research Institute, Co., Ltd. Tokyo, Japan: **“Potential Therapeutic Targets in Innate Immunity”**

9:50-10:10 Sunyoung Kim, Seoul National University, Seoul, Korea: **“Development of New and Innovative Drugs Through the Combination of Molecular Biology and Traditional Herbal Medicines”**

SESSION: Biomedical Translational Research
Chairs: Dr. Ken-ichi Arai and Dr. Uyen Nguyen

- 10:40-11:00 I.D.Zalevskiy, Milon Corporation, USA: **“Diode Lasers Made Milon-Group, the One Day Clinic Conception”**
- 11:00-11:20 Masafumi Inoue (1) and Timothy Barkham (2). (1) Institute of Molecular and Cell Biology (IMCB), Translational Research Facility, Singapore (2) Tan Tock Seng Hospital, Pathology & Laboratory Medicine, Singapore: **“Gel-Based and Luminex® Beads-Based Multiplex RT-PCR Assay for Accurate Diagnosis of Generic FLUA/B with H5N1 Confirmation”**
- 11:20-11:40 Tram T. Dang, Lon Chubiz and Christopher V. Rao, University of Illinois at Urbana-Champaign, USA & Institute of Bioengineering and Nanotechnology of Singapore: **“Evolution of Chemotaxis Proteins in Proteobacteria”**
- 11:40-12:00 B. F. Katz, A. Guez, Y. Kim, D. Bui, P. Shah, J. Guez, Drexel University, USA: **“Musical Enjoyment Inversely Correlates with Prefrontal Cortical Oxygenation”**
- 12:00-12:20 Nguyen Phan Kien, Shibaura Institute of Technology, Japan: **“High Sensitive Transducer for Force Measurement and Biological Application”**

12:20-13:30 Lunch

SESSION: Mini-Symposium on Monoclonal Antibody Technologies
Chairs: Dr. Naoko Arai and Dr. Thai D Nguyen

- 13:30-15:30 **Speakers: Dr. Minkwon Cho and Dr. Ishida Koji**, SBI-Ginkgo Biomedical Research Institute, Japan
Discussion Panel: Dr. Bruce May, NanoGen Pharmaceuticals Ltd., Vietnam

SESSION: Young Vietnamese Scientists Meeting

Panel: Prof. Nguyen Thien Nhan, Prof. Hoang Ba Chu, Prof. Vo Van Toi

MC: Dr. Nguyen Thi Thanh Phuong, VEF Country Director

Participants: All BME conference scientists, young Vietnamese scientists and students, VEF fellows, VEF alumni, MOET and MOST representatives

- 15:30-15:40 Welcome speech by VEF Executive Director
- 15:40-15:50 Speech by MOET Minister
- 15:50-16:20 Networking expectations from young Vietnamese scientists
- 16:20-16:30 Presentation on VEF Fellows Association and related activities in Vietnam
- 16:30-16:50 Introduction of VEF Alumni group and their bridging plan between VN and U.S. education and research institutions
- 16:50-18:00 Open discussion with MOET Minister, HUT Rector and VEF ED
- 18:00-18:10 Closing
- 18:30-21:00 Farewell Party at Trade Union Hotel, 14 Tran Binh Trong Street, Hanoi

Guest Speaker: Joachim H. Nagel, D.Sc., President of the International Union for Physical and Engineering Sciences in Medicine (IUPESM), Immediate Past-President and WHO Liaison of the International Federation for Medical and Biological Engineering (IFMBE) and Co-Chair of the IUPESM Health Technology and Training Task Group (HTTTG), Professor and Chairman,

POSTER PRESENTATION AND CORPORATE EXHIBITION

Notes: The posters and exhibition can be set up on July 25 from 8:00 and must be removed by July 27 at 18:00. On July 26 from 17:30 to 19:30 all authors must be present at their posters to answer the questions from viewers.

1. Tran Hung Viet, Charleux Fabrice, Ehlacher Alain, Ho Ba Tho Marie-Christine, Universite de Technologie de Compiègne (U.T.C), Biomecanique et Genie Biomedical UMR CNRS, France: **“Characterization of the Mechanical Properties of Human Skin In-vivo Using MRI Coupled with Indentation Techniques and Finite Element Method”**
2. Tam C. Nguyen, Repatriation General Hospital, Australia: **“Clinical and Research Applications in Three Dimensional Motion Analysis: Current Research Highlights and some Suggestions for Vietnam”**
3. An Dinh, Vo Van Toi and David Kaplan, Tufts University, USA: **“Effects of Magnetic Fields on Stem Cells”**
4. Le Tran Thanh Nhat, Nguyen Minh Hiep, Chu Ky Nam, Tran Linh Thuoc, Vietnam National University - Hochiminh City: **“Expression of Soluble Mini-proinsulin in Cytoplasm of Escherichia Coli”**
5. Elana Lian, Joe Hachadorian, Vo Van Toi and Noshire Mehta, Tufts University: **“A Novel Electronic Cervical Range of Motion Measurement System”**
6. Nguyen Thi Minh Hieu, Pham Hung Van, Vo Duc Xuyen An, Ho Thi Thuy Loan, Nguyen Thi Minh Thu, Vietnam National University - Hochiminh City: **“InoLIPA Versus Sequencing in the Genotyping of HCV”**
7. Pham Thai Binh, Pham Hung Van, Vietnam National University - Hochiminh City: **“Preparation of the Paper Strip to do the Niacin Test for Identification of the Mycobacterium Tuberculosis Isolates in the Clinical Laboratories”**
8. P. H. Van, P. T. Binh, B. T. T. Thuy, V. T. C. Hai, L. Q. Thinh, N. T. N. Lan, N. T. Ninh, N. T. Cuc, T.T.T. Trinh, L. T. K. Anh, P. V. Ca, D. M. Phuong Vietnam National University - Hochiminh City: **“Haemophilus Influenzae with Beta-lactamase - Results from the Multicenter Study on 248 Strains Isolated from Vietnam Up Regulation of Heparan Sulfate Interacting Protein (HIP/L29) in some Cancer Tissues”**
9. Hoang Hieu Ngoc, Pham Hung Van, Vietnam National University - Hochiminh City: **“Setting up the RT - PCR Technique to Detect Hepatitis C Virus and Determine Genotype HCV by Hybrilizing PCR Products on Specific inoLIPA Strip”**
10. Phạm Hung Van, Vo Đức Xuyen An, Le Thuy Quyen, Hoang Hieu Ngoc, Vietnam National University - Hochiminh City: **“Genotyping of HPV by Direct Sequencing the PCR Product Specific to L1 Gene of the Virus”**
11. Nguyen Thai Binh, Pham Hung Van Vietnam National University - Hochiminh City: **“The Appropriate Strategy to Detect the ESBL from E. Coli and K. Pneumoniae: Combine the Double Disc Method and the Combined Disc Method”**
12. Pham Thai Binh, Pham Hung Van Vietnam National University - Hochiminh City: **“Develop the ELISA Kit Detecting IgM Specific to Salmonella Typhi in Human Sera for Diagnosis of Enteric Fever”**
13. P. H. Van, P. T. Binh, B. T. T. Thuy, V. T. C. Hai, L. Q. Thinh, N. T. N. Lan, N. T. Ninh, N. T. Cuc, T.T.T. Trinh, L. T. K. Anh, P. V. Ca, D. M. Phuong Vietnam National University - Hochiminh City: **“The Multicenter Study in Vietnam on the Antibiotic Resistance S. Pneumoniae – The Results from 204 Clinical Isolates”**

14. Le Thuy Quyen, Pham Hung Van, Vo Duc Xuyen An, Le Thi Phi Yen, Hoang Hieu Ngoc Vietnam National University - Hochiminh City: **“Genotyping of HPV by PCR - Elisa Hybridized with 9 Genotype Specific Probes 16, 18, 31, 33, 35, 39/45 and 6/11”**
15. Van Hung Pham, An Duc Xuyen, Dien Banh Vu, Yen T. Phi Le, Thuy T. Thanh Do, Nam Khoa Biotek, Cho Ray Hospital, Vietnam: **“Genotyping of HCV by Direct Sequencing the PCR Product Coming from the RT-PCR Using Primer and Taqman Probe Specific to the 5’NC of the Virus”**
16. Van Hung Pham, Thu T. Minh Nguyen, An Duc Xuyen Vo, Yen T. Phi Le, Thuy T. Thanh Do, Thinh V. Nguyen, Hoa T. Le Pham, Nam Khoa Biotek, Hoan My Hospital, Tropical Diseases Center, Vietnam: **“Sequencing the RT Gene of HBV for Genotyping and Detecting YMDD Mutations That Help HBV Resistant to Lamivudine”**
17. Tram T. Dang, Shujun Gao, Nandan Erathodiyil and Jackie Y. Ying, Bioengineering and Nanotechnology of Singapore: **“Synthesis and Characterization of Glucose-responsive Insulin-delivery Hydrogel and Nanoparticles for Diabetes Treatment”**
18. Huynh Luong Nghia, Nguyen Van Trung, Le Quy Don Technical University, Vietnam: **“Exploring the Principle of Radiosurgery System “Cyberknife”**
19. Huynh Luong Nghia, Tran Ngoc Quang, Le Quy Don Technical University, Vietnam: **“Improving Digitalized X- image by Homomorphic Filter”**
20. Huynh Luong Nghia, Dang Tran Huy, Le Quy Don Technical University, Vietnam: **“Defining Optimal Structures for Collimators Used in Single Photon Emission Computed Tomography (SPECT)”**
21. Truong Ngoc Tu, Institution of Agricultural Genetics, Vietnam: **“Theme Anther Culture of Rice (*Oryza. Sativa* L.Sub. Japonica)”**
22. Ta Minh Thuy, Vietnam National University - Ha Noi, Vietnam: **“Image Debblur by Tikhonov Regularization Methods”**
23. Thu V. Vuong and David B. Wilson, Cornell University, USA: **“Engineering an Exocellulase from the Bacterium *Thermobifida Fusca*”**
24. Loan Vo, Cornelius Brinegar and Zhi-Pei Liang, University of Illinois at Urbana-Champaign, USA: **“Temporal Interpolation based on Optical Flow for Generalize Series Dynamic Imaging of Cardiac Perfusion”**
25. H. M. Nguyen, R. L. Morrison†, B. P. Sutton, M. N. Do, University of Illinois at Urbana-Champaign, USA: **“Joint Estimation in MRI Using Harmonic Retrieval Methods”**
26. Kien Xuan Ngo, Hiroshi Umakoshi, Toshinori Shimanouchi, Ryoichi Kuboi, Osaka University, Japan: **“Liposome Membrane as an Activator of Biological Cell under Stress Condition”**
27. Dang Van Canh, Hoang Anh Tai, Vu Ha Hai, Southern Taiwan University of Technology, Taiwan: **“Computational Fluid Dynamic of Blood vessel for patient-specific analysis”**
28. Nguyen Si Tuan, Ha Bao Ngoc, Nguyen Thanh Mai, Ho Chi Minh city Open University, Viet Nam, and Hua My Ngoc, Huong Nhien Biotech Company, Viet Nam: **“In vitro Morphogenesis from Leaf Explant of *Schefflera Octophylla* (L.) Harms- a Valuable Medical Plant”**
29. Vu Ha Hai, Southern Taiwan University of Technology, and Cheung-Hwa Hsu, National Kaohsiung University of Applied Science, Taiwan: **“Fluid Analysis inside Left Ventricle Assistant Devices with Non-Newtonian Theory”**
30. Thuy M Ta, Information Technology Institute - Vietnam National University, Vietnam: **”Image Bebblur by Tikhonov Regularization Method”**

31. Nguyen Quang Lich, Hue University of Agriculture and Forestry, Hue University of Agriculture and Forestry, Vietnam, and Wei Chin Chang, Southern Taiwan University of Technology, Taiwan: ” **Health and Environment Effects of the Motorcycle Emission in Vietnam Urban Areas**”
32. Ngo Xuan Dai, Nguyen Ngoc Long, Nguyen Thi Thuc Hien, Hanoi University of Science – Vietnam National University, Hanoi, Vietnam: “**Green Fluorescent ZnO Microtubes for Biological Applications**”
33. Bui Du Duong, Water Resources University, Vietnam, Do Thu Hien, National Endocrinology Hospital, Viet Nam, Hoang Anh Hoang, Technology University, Vietnam, Dang Thanh Hoa, Bui Duc Dan, Water Resources University, Vietnam, Bui Thi Nuong, National University of Education, Vietnam: “**Research on the Groundwater Pollution and Its Effect on the Community Health in Ha Noi, Viet Nam with the Support of GIS and Mathematical Model**”
34. Vo Cam Quy, Vietnam National University-Ho Chi Minh City: “**Prediction of epitopes in the surface of influenza type a virus using support vector machine and hidden Markov models**”
35. Hoang Tuan-Nghia, Marin Frederic, Ho Ba Tho Marie-Christine, Universite de Technologie de Compiegne (U.T.C), Biomecanique et Genie Biomedical, France: “**Rigid Body Model to Determine the In-vivo Intersegmental Motion of the Cervical Spine**”
36. Dao Tien Tuan, Marin Frederic, Ho Ba Tho Marie-Christine, Universite de Technologie de Compiegne (U.T.C), Biomecanique et Genie Biomedical, France: “**OSMMI - Diagnostic-based ontology of the musculo-skeletal system of lower limbs**”
37. Bui Hung Thang, Phan Hong Khoi, Phan Ngoc Minh, Institute of Materials Science, VAST: “**Electrodeposition and Characterization of Nickel – Multi walled Carbon Nanotubes Composite Coatings**”
38. Tran Nhan Dung, Nguyen Thi Xuan Nguyen, Do Tan Khang, Ha Thanh Toan, Biotechnology Research & Development Institute, Can Tho University, Vietnam, and Nguyen Thi Sam, Vo Thi Tuyet, Agricultural Science Institute of North-Central Viet Nam, Tina Kyndt, Godelieve Gheysen, Marcelle Holsters, Ghent University, Belgium: “**Analysis of the Genetic Relationships of PQ Mandarin in Central Vietnam to some Mandarin cultivars in the Mekong Delta based on internal transcribed spacer sequences.**”

APPENDIX 20

Higher Education Enhancement Workshops For Vietnamese Universities

Conducted by
**Dr. Peter Gray, Director of Academic Assessment, Faculty Enhancement Center
United States Naval Academy**

Introduction. The workshops described below served as follow-up for Vietnamese universities that requested assistance in building on the information presented in the two VEF reports on the status of higher education in Vietnam: (1) *Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam*; and (2) *Observations on the Current Status of Education in the Agricultural Sciences in Vietnam*. The workshop presenter, Dr. Peter Gray, was one of the authors of the first report and was a presenter to discuss the issues raised in both reports at the major follow-up workshop held in Hanoi on August 2-3, 2007: *Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education*.

The information provided below first lists the schedule and topics presented at each university and then lists the specific workshop agendas for each of the three topics.

Schedule and Topics **August 6 – August 14, 2007**

- | | |
|------------------|--|
| August 6 (Mon): | 08.30 – 12.00: Developing Student Learning Outcomes – An Introduction
Hanoi University of Science (HUS), Vietnam National University – Hanoi |
| August 7 (Tue): | 08.30 – 16.30: Strategic and Tactical Planning for Educational Enhancement
Hanoi National University of Education (HNUE) |
| August 9 (Thu): | 08.00 – 08.30: Meeting with workshop facilitator(s)
08.30 – 16.30: Strategic and Tactical Planning for Educational Enhancement
University of Da Nang |
| August 10 (Fri): | 08.00 – 08.30: Meeting with workshop facilitator(s)
08.30 – 16.30: Developing Student Learning Outcomes – An Introduction & Evaluating Educational Excellence of Institutions, Programs and Courses (follow-up)
Vietnam National University – HCMC |
| August 11 (Sat): | 08.00 – 08.30: Meeting with workshop facilitators
08.30 – 16.30: Strategic and Tactical Planning for Educational Enhancement
Vietnam National University – HCMC |
| August 13 (Mon): | 07.30 – 08.00: Meeting with workshop facilitator(s)
08.00 – 17.00: Developing Student Learning Outcomes – An Introduction & Evaluating Educational Excellence of Institutions, Programs and Courses (follow-up)
Institute for Education Research, HCMC University of Pedagogy |

* * * * *

WORKSHOP AGENDA
for
***An Introduction to Student Learning Outcomes and
Learning-Centered Syllabus and Active Learning***

Student Learning Outcomes

Outcomes

Participants will learn how to:

- the basic concepts related to student learning outcomes
- how to define desired learning *goals*
- how to map program learning goals to the courses in a curriculum

Schedule

- ✓ Introduction of presenter, facilitators, and participants
- ✓ Overview of the workshop
- ✓ Presentation and discussion of question: “Why use student learning outcomes?”
Resources: 1. Chapter 13: Effective Learning and Teaching, PRINCIPLES OF LEARNING
Product: Key points of the six topics
- ✓ Presentation and discussion of question: What are student learning outcomes?
Resources: 2. Categories of Student Learning Outcomes
Product: Rating of experience with categories
- ✓ Presentation and discussion of question: Institutional or program level learning goals
resource: 3. The Essential Learning Outcomes; 4. Engineering Program Learning goals; 5.
Examples of Program Level Learning Goals; 6. Institutional and/or Program Level Learning
Goals Worksheet
Product: Institutional/program level Learning Goals (attributes of graduates)

Learning-Centered Syllabus and Active Learning

Outcomes

Participants will learn:

- the fundamental elements of a learning-centered syllabus
- how to design a learning-centered syllabus
- how to incorporate active learning into a course

Schedule

- ✓ Overview of session
- ✓ Presentation on a learning-centered syllabus including the changes in the roles of instructors and students
- ✓ Presentation and discussion of the Components A Learning-Centered Syllabus
Resource: 7. Learning-centered syllabus template
Product: complete template – Basic Course Information

- ✓ Presentation and discussion of the Purpose of the Course
Product: complete template – Purpose
- ✓ Presentation and discussion of How to Develop Course Learning Goals
Resources: 6. Institutional and/or Program Level Learning Goals Worksheet; 8. Bloom's Taxonomy: An Overview; 9. Sonoma State Objectives and matrix; 10. Mapping Goals to Courses in a Curriculum matrix; 11. Syllabus for COLLEGE PHYSICS I; Prof. Sergey B. Mirov, University of Alabama at Birmingham.
Products: complete template – Goals and Curriculum Matrix based on **Student Learning Outcomes** handout 6. Institutional and/or Program Level Learning Goals Worksheet
- ✓ Presentation and discussion of Learning Objectives
Resources: 12. Course Level Outcomes and Active Learning Matrix; 13. Bloom's Taxonomy Verbs
Product: complete template –Objectives and transfer to Course Level Outcomes and Active Learning Matrix
- ✓ Presentation and discussion of Class Schedule and Activities
Resources: 14. Question stems and activities related to Bloom's taxonomy
Product: complete Behaviors and Methods Columns of Course Level Outcomes and Active Learning Matrix
- ✓ Presentation and discussion of Course Grading, Policies, Instructor Information, and Materials
Resources: 11. Syllabus for COLLEGE PHYSICS I; Prof. Sergey B. Mirov, University of Alabama at Birmingham
Product: complete template – Course Grading, Policies, Instructor Information, and Materials sections
- ✓ Consideration by participants of the next steps that they will take.
- ✓ Workshop evaluation.

WORKSHOP AGENDA
for
An Introduction to Learning Assessment

First Session

Participants will learn:

- why assessing learning is important
- the basic concepts related to student learning outcomes assessment

Schedule:

- ✓ Introduction of presenter, facilitators, and participants
- ✓ Overview of the workshop
- ✓ Presentation and discussion of question: What is learning assessment?
- ✓ Presentation and discussion of question: Why use student learning outcomes?
- ✓ Presentation and discussion of question: What are student learning outcomes?
Resources: 1. Categories of student learning outcomes
Product: Rating of experience with categories
- ✓ Presentation and discussion of question: How do you define learning goals?
Resource: 2. The Essential Learning Outcomes; 3.; Engineering Program Learning Goals;
4. Examples of Program Level Learning goals; 5. Institutional and/or Program Level Learning
Goals and Assessment Worksheet
Product: Institutional and Program Level Learning Goals

Second Session

Participants will learn:

- methods for assessing student learning outcomes at the institution,
program, and course levels

Schedule:

- ✓ Presentation and discussion of topic: Assessment of Institutional Level Student Learning
Resource: 5. Institutional and/or Program Level Learning Goals and Assessment Worksheet;
6. Examples of Direct and Indirect Measures of Student Learning
Product: Identification of potential institution and program level assessments
- ✓ Presentation and discussion of topic: Course Level Learning Objectives
Resource: 7. Bloom's Taxonomy overview; 8. Bloom's Taxonomy Verbs;
9. Course Level Learning and Assessment Matrix
Product: Goals and Objectives on Matrix

- ✓ Presentation and discussion of topic: Assessment Behaviors/Stimulus and Methods
Resource: 10. Questions Stems and Activities related to Bloom's Taxonomy
Product: Behaviors/Stimulus on Matrix
- ✓ Presentation and discussion of topic: Assessment Methods
Resource: 10. Questions Stems and Activities related to Bloom's Taxonomy, 11. Learning and Assessment Matrix Examples
Product: Methods on Matrix
- ✓ Discussion by participants of their experiences, questions they have, and the next steps that they will take.
- ✓ Workshop evaluation.

WORKSHOP AGENDA
for
*An Introduction to Strategic Planning and
Project Planning and Implementation*

Strategic Planning

Outcomes

Participants will learn how to:

- assess where their institution is today
- decide what they want to become
- determine how to get there

Schedule

- ✓ Introduction of presenter, facilitators, and participants
- ✓ Overview of the workshop
- ✓ Presentation on the Strategic Planning Process
- ✓ Presentation and discussion of Where are we today?
Resource: 1. Excerpts on Issues from Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam; 2. Self-Assessment Worksheet
Products: Institutional Mission Statement; Q & A about VEF Report Areas and Issues; Characterization of their Institution Today
- ✓ Presentation and discussion of What do we want to become?
Product: institution vision and strategic goal(s)

- ✓ Presentation and discussion of How do we get there?
(resource: Excerpts on Opportunities for Improvement and Scenarios and Potential Pilot Projects from Observations on Undergraduate Education...)
Product: potential institutional initiatives and projects

Project Planning and Implementation

Outcomes

Participants will learn:

- the steps of project planning and implementation process
- how to apply this knowledge to a project

Schedule

- ✓ Overview of a model for using data to inform project planning and implementation
- ✓ Presentation and discussion of Problem Clarification and Project Initiation
Product: plan for problem clarification and project initiation
- ✓ Presentation and discussion of Creating ideal and operational project designs
(resource: Management of Change in Higher Education Reform from Observations on Undergraduate Education...)
Product: plan for using conditions for creating sound plan to guide analysis of the gap between current conditions and desired conditions
- ✓ Presentation and discussion of project implementation topics.
- ✓ Consideration by participants of the next steps that they will take.
- ✓ Workshop evaluation.

* * * * *

APPENDIX 21
WORLD-CLASS UNIVERSITY STUDY-TOUR ITINERARY
Germany and the United States

Vietnamese Delegation:

Minister Nhan Thien NGUYEN, Ministry of Education and Training (MOET)
President Ga Van BUI, University of Danang
Professor Phu PHAM, Ho Chi Minh University of Technology
Ms. Huong Thi Le NGUYEN, Higher Education Department (MOET)
Vice Rector Thuy Thi Bich DONG, University of National Sciences, VNU-HCM
Vice Rector Thuy Tu PHAM, Hanoi University of Technology
Vice Rector Nghia Cong PHAN, National University of Economics
Vice Rector Vien Duc TRAN, Hanoi Agricultural University
President Toan Van NGUYEN, Hue University
Mr. Toan Duc NGUYEN, International Cooperation Dept. (MOET) English Interpreter

VEF organizers, accompanying the delegation:

Dr. Lynne McNamara, Acting Executive Director
Ms. Ly Huyen, Program Manager

<u>GERMANY</u> <i>October 31 - November 4, 2006</i>
--

Monday, October 30 ***Depart from Hanoi (VN 545 at 23:45)***

Tuesday, October 31 ***Arrive in Bremen (LH 342 at 10:00)***

Wednesday, November 1:

9:30	Ronny Wells picks up delegation at hotel, walk to Rathaus (Town Hall)
10:00-11:00	Meet at Rathaus with Henning Scherf (former Mayor of Bremen), Malcolm Gillis and Howard Resnikoff
11:00-12:00	Tour of downtown area
12:00-13:00	Lunch at Ratskeller (in old Town Hall)
13:00-14:00	Meeting with Jens Böhrnsen, Mayor of Bremen
14:00-14:30	Minibus transports delegation along with Gillis, Resnikoff and Wells to International University Bremen (IUB)
15:00-16:00	Campus Tour of IUB

- 16:00-17:00 Meet with Joachim Treusch (President of IUB) and the Vice Presidents of IUB
- 17:00-18:00 Follow-up discussion
- 18:00-18:30 Bus to the hotel
- 19:00 Dinner in the city (hosted by IUB)

Thursday, November 2

- 8:30 Ronny Wells meets delegation at hotel, take street car to University of Bremen
- 9:00-12:30 Vice-Rectors University of Bremen: Discussion, Technology Transfer, Ocean Sciences Research Center
- 12:30-13:30 Lunch at University of Bremen dining hall (hosted by University of Bremen)
- 13:30-14:00 Bus from University of Bremen to IUB
- 14:00-17:00 Discussions with faculty at IUB:
14:00-15:30: Asian Studies
15:30-17:00: Ocean Science, Life Sciences and Information Sciences
- 17:00-18:30 Presentation by IUB Students to Vietnam Delegation, Presentation by Minister Nguyen to the students, Discussion with students
- 18:30-19:30 Dinner with the students at College III on the IUB campus (hosted by IUB)
- 19:30 Bus takes delegation to hotel

Friday, November 3

- Morning free for discussion and free time in the city
- 12:30 Ronny Wells meets delegation at hotel, street car to Max Planck Institute for Marine Microbiology (MPI) on the Univ. of Bremen campus
- 13:00-13:45 Overview of the Max Planck Institute
- 13:45-14:45 Lunch at the Max Planck Institute (Hosted by MPI)
- 14:45-15:30 Tour of MPI
- 15:30-17:00 Summary & Review Meeting-- Project Team (in conference room at MPI)

17:00-17:30 Ronny Wells takes delegation back to their hotel

Evening free for dinner

Saturday, November 4 – Depart

<p style="text-align: center;"><u>THE UNITED STATES OF AMERICA</u> <i>December 3– 9, 2006</i></p>
--

<p style="text-align: center;">WASHINGTON, D.C. – December 3-4, 2006</p>

Sunday, December 3

2:35 p.m. Arrival at Dulles International Airport (IAD) on United 7354

Ms. Kari Gazdich, VEF Program Officer, will meet the delegation at the baggage claim with the car company carrying a sign. She will accompany the delegation by van to the hotel. Dr. Lynne McNamara, VEF Acting Executive Director, will greet the delegation at the hotel:

St. Gregory Luxury Hotel & Suites
2033 M Street, NW
Washington, DC 20036
Telephone - 202-466-6750

6:30 p.m. Meet in hotel lobby to depart for dinner venue.

7:00 p.m. Welcome Dinner
The National Academy of Sciences
(Members' Room)
2001 Constitution Avenue (C Street Entrance)
Washington, D.C.

Monday, December 4

8:15 Minister and MOET representatives check-out of hotel
Note: Please bring luggage with you at this time.

8:45 (1 van) Minister and MOET representatives:
Meet in hotel lobby to depart for Department of State:
Main State Department, room 6206
Arrive at the 22nd and C Street Entrance of the State Department (driver should turn onto 22nd from Constitution Avenue)

- 9:30–10am Assistant Secretary of State for East Asia and Pacific Christopher Hill
- Subject: Courtesy call, welcome Minister Nhan to the United States and discuss ways to increase US-Vietnam exchange
- Attendees: Deputy Asst. Secretary for Public Diplomacy, Glyn Davies
Office Director for Public Diplomacy, Tom Skipper
Country Coordinator for Public Diplomacy, Jessica Davies
- 10:15 Minister and MOET Representatives return to hotel via van
Remaining delegation members check out of hotel
Note: please bring luggage with you at this time.
- 10:30 (2 vans) Full delegation meets in hotel lobby to depart for:
Department of Education
400 Maryland Ave. SW
- 11:30–12:15 Acting Undersecretary & Chief of Staff to the Sec, of Educ., David Dunn
- 12:30 Depart to the National Academy of Sciences, 500 5th St., Room 109
- 12:45 Lunch, hosted by the National Academies.
- 1:30 p.m. *Overview of the National Academies*
Bill Colglazier, Executive Officer, National Research Council
Discussion of National Academies Work in Science and Engineering Workforce
1. Rich Bissell, Executive Director, NRC Policy and Global Affairs Division
 2. Charlotte Kuh, Deputy Executive Director, NRC Policy and Global Affairs Division
 3. Ray Gamble, Director, NRC Fellowships Office
 4. Jay Labov, Senior Scientist, National Academy of Sciences
 5. John Sislin, Program Officer, NRC Board on Higher Education and Workforce
 6. Greg Pearson, Program Officer, National Academy of Engineering
 7. Peggy Petrochenkov, Program Officer, NRC Fellowships Office
- 3:00 p.m. Depart for the Vietnamese Embassy.
1233 20th St. NW, Suite 20, Washington, D.C. 20036
- 3:30 p.m. Meeting at Vietnamese Embassy
Ambassador Nguyen Tam Chien
Mr. Vu Dang Dzung, Minister Counselor - Deputy Chief of Mission
Mr. Ho Xuan Phong, Counselor (Education & Science)
- 4:30 p.m. Depart for Dulles International Airport (IAD).
- 7:30 p.m. United 7351 from Dulles to Raleigh-Durham (RDU), North Carolina.
- 8:35 p.m. Arrive at RDU.

* * * * *

DUKE UNIVERSITY -- December 4-5, 2006
Durham, North Carolina

Monday, December 4, 2006

~8:35pm Airport arrival (United Airlines Flight 7351)
Delegation pickup and transportation
Hotel check-in (identification and credit cards must be presented at check-in)

Tuesday, December 5, 2006

8:30am Delegation pickup from hotel lobby

8:55am Delegation arrives at Duke University, Chapel Drive

9:00-9:40am Driving campus tour – campus history and overview provided by Duke Undergraduate student

9:45am Greeting by Vice Provost Gilbert W. Merkx and escort to Breedlove Conference Room in the Perkins Library

Introduction by Vice Provost Merkx

10:00-10:15am Welcome remarks by President Richard H. Brodhead

10:15-10:45am Tracy Futhey, Vice President for Information Technology and Chief Information Officer

10:45-11:15am Christoph Guttentag, Director, Office of Undergraduate Admissions

11:15-11:45am Tim Walsh, Assistant Vice President and Controller

11:45am Depart Breedlove for R. David Thomas Conference Center, Executive Dining Room, Fuqua School of Business, Duke University

12:00-1:00pm Lunch provided by the Office of the Provost and hosted by Vice Provost Gil Merkx

1pm Depart RDTC for Allen Building, Allen Board Room

1:15-1:45pm Peter Lange, Provost

1:45-2:15pm GP Shukla and Joe Tham of the Duke Center for International Development, Terry Sanford Institute of Public Policy

2:15-2:45pm Vice Provost for International Affairs & Development, Gilbert W. Merkx

2:45-3:00pm Break

3:00-3:30pm Sue Wasiolek, Assistant Vice President for Student Affairs and Dean of Students
[confirmed]

3:30-4:00pm Walking tour of Duke University Chapel, West Union and Bryan Center

4:00pm Return to hotel for dinner preparation

6:00pm Dinner with Duke Students and faculty
Hosted by Vice Provost Gilbert W. Merckx
Location: John Hope Franklin Center, 2204 Erwin Road, Durham, 27708
Delegation (12), Vietnam Student Association (7-9 members)
Visiting Fellows (Professor Chau Pham, Duke + UNC-CH fellows [7])
Duke Faculty/Administrators (3)

Wednesday, December 6, 2006

7:45am Delegation pickup at hotel (with luggage)
Transport to University of North Carolina-Chapel Hill

Arrival at Old Well, Cameron Street, Chapel Hill, NC.
Greeting by Mr. Bogdan Leja and escort to South Building.

UNIVERSITY OF NORTH CAROLINA -- December 6, 2006
Chapel Hill, North Carolina

Schedule: 8:30 a.m. Arrive at UNC.

8:30—10:30 Session One: Place TBA

- Carol Tresolini, Associate Provost for Academic Initiatives, will provide an overview of UNC-Chapel Hill and its governance, setting of policies and regulations.
- Tony Waldrop, Professor/Vice Chancellor for Research and Economic Development, will talk about UNC-Chapel Hill research and cooperative use of high value assets.
- Mark Crowell, Associate Vice Chancellor for Economic Development & Technology Transfer, will provide an overview of technology transfer, licensing and patents.

10:45—12:00 Session Two: Place TBA

Overview of Undergraduate and Graduate student life, curriculum development and special programs for UNC Chapel Hill students.

- Stephanie Ann Schmitt, Assistant Dean for Academic Initiatives of the Graduate School, will talk about the Graduate School.
- Peggy Jablonski, Vice Chancellor for Student Affairs, will provide an overview of Student Affairs.
- Bobbi Owen, Senior Associate Dean for Undergraduate Education, College of Arts & Sciences, will talk about programs for undergraduate students.

12:30—2:00 Working Lunch with VEF Fellows. Place TBA

2:00—2:45 Meet with School of Public Health

- Peggy Bentley, Associate Dean for Global Health
- Trude Bennett, Associate Professor Maternal and Child Health

3:00—3:45 Tour of Laboratory space, NMR facilities TBA

3:45 Leave UNC-Chapel Hill for RDU.
Flight is planned for 6:00 p.m.

4:30pm Arrival and check-in at Raleigh-Durham International Airport

6:01pm Delegation departs via Continental Airline flight CO551

RICE UNIVERSITY -- December 7 - 8, 2006
Houston, Texas

Thursday, December 7, 2006

- 8:30 a.m. **Ms. Veronica Arellano**, Welcome Center Coordinator
 meets delegation in the lobby of the
 Best Western Medical Center Hotel (6700 Main Street).
- Delegation is driven to Rice University on a Rice shuttle bus.
- 8:40 a.m. Greeters in place at Sallyport (central arch) of **Lovett Hall**
 Dr. Mark SCHEID, Managing Director for Programs and International Studies, Baker
 Institute for Public Policy
 Mr. THAN Van Cuong, Graduate Student, Department of Computer Science
 Ms. Harriet DAO, Rice Student Ambassador
- 8:45 a.m. Sallyport (central archway) of **Lovett Hall**
 Guests arrive and park at Sallyport.
 Welcome and photo opportunity.
 Guests begin a Driving Tour of Campus
 6-passenger golf cart driven by Ms. Arellano
 6-passenger golf cart driven by Student Ambassador.
 4-passenger golf cart drive by Dr. Scheid.
- 9:50 a.m. Dr. Scheid, Ms. Dao, and Ms. Arellano escort delegation via golf cart to
 Founder's Room, **Lovett Hall**, 2nd floor
- 10:00 a.m. Meeting with **President David W. LEEBRON**.
- 10:30 a.m. Presentation and discussion of the Rice University administrative organizational
 chart given by **Dr. Mark SCHEID**, Managing Director for Programs & International
 Studies Baker Institute for Public Policy.
- 11:15 a.m. Dr. Scheid, Ms. Arellano, and Mr. De Leon escort delegation via golf cart to
- 11:30 a.m. Lunch at Esther's Room, **Cohen House**, 2nd floor
 Guests to include:
 Dr. Malcolm GILLIS, University Professor
 Dr. Mark SCHEID, Managing Director for Programs & International Studies, Baker
 Institute for Public Policy
- 12:30 p.m. Dr. Gillis, Dr. Scheid, Ms. Arellano and Mr. De Leon escort delegation via golf
 cart to
- 12:45 a.m. Conference Room 104, **Baker Hall**
 Meeting with **Dr. Malcolm GILLIS**, University Professor
- 1:15 p.m. Meeting to discuss finances of Rice University.
 Ms. Katherine E. COLLINS, Vice President for Finance

- 2:00 p.m. Meeting to discuss resource development at Rice University.
Mr. Eric JOHNSON, Vice President for Resource Development
Mr. Darrow ZEIDENSTEIN, Associate Vice President for Resource Development
- 3:00 p.m. Meeting to discuss academic affairs at Rice University
Dr. Eugene LEVY, Provost
Dr. Carol QUILLEN, Vice Provost for Academic Affairs
- 4:00 p.m. Dr. Scheid, Ms. Arellano, and Mr. De Leon escort delegation via golf cart to Duncan Hall
- 4:15 p.m. Meeting to discuss the Connexions Project
Ms. Katherine FLETCHER, Project Manager, Connexions Project
Dr. Sydney BURRUS, Professor of Electrical and Computer Engineering
Dr. Richard BARANIUK, Professor of Electrical and Computer Engineering
Mr. Hung TRAN, Visiting Content Specialist, Connexions Project
- 5:00 p.m. Rice University shuttle bus picks up delegation at **Duncan Hall**. Delegation is driven to the **Best Western Medical Center Hotel** (6700 Main Street).
- 6:50 p.m. Rice University shuttle bus picks up delegation in the lobby of the **Best Western Medical Center Hotel** (6700 Main Street).
- 8:00 p.m. Delegation is driven to **Wiess President's House** (2 Sunset Blvd.)
Dinner in honor of delegates.

Friday, December 8, 2006

- 8:30 a.m. Rice University shuttle bus picks up delegation in the lobby of the **Best Western Medical Center Hotel** (6700 Main Street).
- 9:00 a.m. Delegation is driven to Rice University.
301 Space Science Building
Richard E. Smalley Institute for Nanoscale Science and Technology
- Presentation on nanoscale research and technology by **Dr. Wade Adams**, Director of the Smalley Institute
- Tour of the Smalley Institute, led by **Dr. Adams**.
- 10:30 a.m. University of Texas Health Science Center shuttle bus picks up delegation outside of **Dell Butcher Hall**
Guests are transported to the University of Texas Health Science Center.

* * * * *

UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER -- December 8, 2006
Houston, TX

11-noon: Pick up at Rice University campus and bus tour of Texas Medical Center and The University of Texas Health Science Center. Host - George M. Stancel, Ph.D., Dean, Graduate School of Biomedical Sciences

Noon - 1 p.m.: Lunch at Trevisio with Overview of the UT System and UTHSC-H (Host: Dr. Hui-Ming Chang, VP International Programs; Speaker - Dr. George Stancel, Dean, Graduate School)

1:15-2:15 p.m.: School of Public Health (Host: Dean Guy Parcel, Dr. Palmer Beasley, and SPH Faculty)

2:30- 3:00 p.m.: Graduate School of Biomedical Sciences (Host: Dean George Stancel, Dr. Victoria Knutson, Dean of Admissions)

3:00-3:45 p.m.: School of Health Information Sciences (Dean Jack Smith and SHIS leadership)

3:45 - 4:30: Concurrent Break-Out Sessions

- Institutional Finances - Mr. Kevin Dillon, Chief Financial Officer
- IT and Computing Facilities - Mr. Rick Miller, Vice President and Chief Information Officer, Dr. William Weems, Vice President for Academic Technology
- Library Resources and Facilities - Dr. Elizabeth Eaton, Executive Director, Houston Academy of Medicine - Texas Medical Center Library
- Research Infrastructure - Dr. George Stancel, Dean, Graduate School and Past Executive Vice President for Research, Dr. Peter Davies, Executive Vice President for Research)
 - Core Facilities
 - Contracts and Grants Management
 - Institutional Safety and Facilities
 - Research Support Committees (Human Subjects, Animal Research)

4:30 - 5:00: Presidential Welcome (Dr. James T. Willerson, President, The University of Texas Health Science Center at Houston) and overview of UTHSC International Programs (Dr. Hui-Ming Chang, Vice President for International Programs)

5:00 - 5:45: Delegation Wrap-Up (Executive Session)

5:45 : Depart to Best Western Motel with GSBS student guide

6:00 : Depart to Houston Intercontinental Airport for 8:40 p.m. departure (arranged via VEF)

(All discussions and breakout sessions at UT GSBS, 3rd floor, Mitchell Research Building.)

* * * * *

APPENDIX 22
Workshop Agenda
Opportunities for Enhancing STEM Education in Vietnam:
A Forum for the Discussion of VEF’s Reports
on Undergraduate and Agricultural Education

AUGUST 2-3, 2007

Chairpersons: Dr. Nguyen Thi Le Huong, Deputy General Director of Higher Education Department, MOET; Dr. Lynne McNamara, Deputy Executive Director, Vietnam Education Foundation; Dr. Ray Gamble, Director of the Fellowships Office, The National Academies

Venue: Plaza 3, 2nd Floor – Sofitel Plaza Hanoi Hotel

Thursday, August 2

2:30 pm – 3:00 pm	Registration	MOET and VEF staff
3:00 pm – 3:30 pm	Opening remarks	Facilitator: Dr. Lynne McNamara Prof. Dr. Tran Van Nhung, Vice Minister, MOET Dr. Vo Van Toi, Executive Director, VEF
Report Overviews		
3:30 pm – 4:00 pm	<i>Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam</i>	Dr. Phuong Nguyen, Country Director, VEF
4:00 pm – 4:15 pm	Questions to the U.S. Team	
4:15 pm – 4:35 pm	<i>Observations on the Current Status of Education in the Agricultural Sciences in Vietnam</i>	Dr. Ray Gamble, Director, Fellowships Office, The National Academies
4:35 pm – 4:50 pm	Questions to the U.S. Team	
Introduction to Discussion Topics		
4:50 pm – 5:10 pm	Teaching methodology	Dr. Peter Gray, Director of Academic Assessment, Faculty Enhancement Center, United States Naval Academy
5:10 pm – 5:30 pm	Curriculum development and course content	Dr. John E. Hopcroft, Professor, Computer Science Department, Cornell University
5:30 pm – 5:50 pm	Evaluation – students/faculty	Dr. Lynne McNamara, Deputy Executive Director, VEF Dr. Phuong Nguyen, Country Director, VEF
5:50 pm – 6:10 pm	Faculty development and advancement	Dr. Neal van Alfen, Dean, College of Agriculture and Environmental Sciences, University of California – Davis
6:10 pm – 6:30 pm	Research in undergraduate and graduate education	Dr. Isaac Silvera, Thomas Dudley Cabot Professor of the Natural Sciences, Lyman Laboratory of Physics, Harvard University
7:00 pm	Dinner at Ming Palace Restaurant, 2 nd Floor, Sofitel Plaza Hanoi Hotel	

Friday, August 3

Discussion Groups		
8:45 am – 9:00 am	Charge to the groups	Dr. Ray Gamble, Director, Fellowships Office, The National Academies
9:00 am – 12:00 pm, with a 15 minute break at 10:30 am	Breakout sessions Venue for breakout sessions: Groups 1&3: Hanoi Room Group 2: Hai Phong Room Group 4: Da Nang Room Group 5: Plaza 3 Room (Group 3 was combined with Group 1)	Groups 1 & 3: Teaching methodology and Student and faculty evaluation Facilitators: Dr. Peter Gray & Dr. Phuong Nguyen Group 2: Curriculum development and course content Facilitator: Dr. John Hopcroft Group 4: Faculty development and advancement Facilitator: Dr. Neal van Alfen Group 5: Research undergraduate and graduate education Facilitators: Dr. Isaac Silvera & Dr. Lynne McNamara
12:00 pm – 1:00 pm 12:15 pm – 12:35 pm	Working lunch Presentation on/demonstration of application of VOCW to develop teaching materials	Hung Tran, Technical Director, IT and OCW, VEF
1:00 pm – 2:30 pm	Presentations, Q&A: Groups 1, 2 and 3	Each group has 30 minutes for presentation (20 minutes) and Q & A (10 minutes), led by Facilitators
2:30 pm – 2:45 pm	Tea break	
2:45 pm – 3:45 pm	Presentations, Q&A: Groups 4 and 5	Each group has 30 minutes for presentation (20 minutes) and Q & A (10 minutes), led by Facilitators.
3:45 pm – 5:00 pm	General discussion, future planning, including any joint projects with VEF, and wrap-up	Dr. Lynne McNamara, Deputy Executive Director, Vietnam Education Foundation (Facilitator) Prof. Dr. Tran Van Nhung, Vice Minister, MOET Dr. Nguyen Thi Le Huong, Deputy General Director, Higher Education Department, MOET
5:00 pm – 5:15 pm	Closing remarks	Prof. Dr. Tran Van Nhung, Vice Minister, MOET Dr. Vo Van Toi, Executive Director, VEF

APPENDIX 23

Executive Summary of the Follow-up Workshop ***Opportunities for Enhancing STEM Education in Vietnam:*** ***A Forum for the Discussion of VEF's Reports*** ***on Undergraduate and Agricultural Education***

Site Visit Teams of the National Academies authored two reports on the current status of higher education in Vietnam. The first, *Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam*, focused on three disciplines at four premier Vietnamese institutions and was released in August 2006. The second, *Observations on the Current Status of Education in the Agricultural Sciences in Vietnam*, followed from site visits to four Vietnamese agricultural universities, and appeared in January 2007. VEF widely distributed these publications in Vietnam to professors, administrators, researchers, and MOET. Workshop participants received electronic copies of these publications in English as well as Vietnamese in advance of the meeting. All participants on site received the Executive Summary of the first report, and the Executive Summary and Conclusions of the second report.

After Dr. Van-Toi Vo, the Executive Director of VEF, welcomed all workshop participants, Dr. Nguyen Thi Thanh Phuong, Country Director of VEF, began the Workshop with a briefing on the undergraduate education report. She outlined the Site Visit Team's observations on undergraduate programs in computer science, electrical engineering, and physics and underlined five problem areas that the team identified in the Vietnamese educational system: undergraduate teaching and learning, undergraduate curriculum and courses, instructors, graduate education and research, and the evaluation of student learning outcomes and institutional effectiveness.

The Site Visit Team recommended that Vietnam increase the number of universities as well as the number of faculty members. Universities require local institutional autonomy and a system of program review and accreditation. Faculty and students need access to online journals, research data, and other public information electronically. Faculty members need to develop professionally, which could be facilitated by reducing their course load. The MOET-mandated curriculum needs revision and reorganization, including a reduction in the number of required courses. Universities should include fundamental and basic research in their organizational structure. The Site Visit Team also suggested a focus on improving teaching methods in high school, and encouraged these students to choose a college major before graduation.

Dr. H. Ray Gamble of the National Academies then summarized the findings of the agricultural education report. This Site Visit Team observed many of the same problems and issues already cited. Additionally, the Agriculture Site Visit Team suggested comprehensive rather than over-specialized education for students in agriculture, and while reiterating the need to integrate research and teaching at educational institutions, they also underlined the need to integrate research at the extension level and to reward cooperation between extension, universities, and institutes.

Four participants from the two Site Visit Teams and two members of the VEF staff then made brief presentations. Dr. Peter Gray, Director of Academic Assessment, Faculty Enhancement Center, United States Naval Academy, presented his ideas on teaching methodology. Dr. John E. Hopcroft, Professor, Department of Computer Science, Cornell University, spoke on curriculum and course content. Dr. Lynne McNamara and Dr. Nguyen Thi Thanh Phuong, both from VEF, discussed the evaluation of students and faculty. Dr. Neal Van Alfen, Dean, College of Agriculture and Environmental Sciences, University of California, Davis, delivered a talk on faculty development and

advancement, followed by Dr. Isaac Silvera, Thomas Dudley Cabot Professor of the Natural Sciences, Lyman Laboratory of Physics, Harvard University, who spoke on research in undergraduate and graduate education.

On the second day of the workshop, Dr. H. Ray Gamble presented the charge to the four breakout groups to identify opportunities for improvement in the Vietnamese higher educational system following from the two reports and the workshop presentations of the previous day. After a three hour breakout period, each of the four groups presented the results of their discussion to the larger group.

Groups 1 and 3: Teaching Methodology & Student and Faculty Evaluation

Facilitator: **Dr. Peter Gray**¹¹

The discussion focused primarily on establishing teaching methodology that could be used to foster active learning. This group also noted the lack of formalized institutional assessment to guide educational reforms. The group recommended that MOET/Vietnam:

1. Establish Centers of Higher Education Teaching and Learning to “Train the Trainers.”
2. Decentralize - Provide autonomy at each level from rector to student.
3. Base teachers’ salaries on responsibilities, not on hours in the classroom.

Group 2: Curriculum Development and Course Content

Facilitator: **Dr. John Hopcroft**

The curriculum development and course content group maintained that students in Vietnam are required to spend too much time in the classroom, which leaves them little opportunity to study and internalize the material. University faculty members claimed that they had no leeway in establishing their curricula, while MOET claimed that they do have some, a critical difference in perception. The group recommended that MOET/Vietnam:

1. Reduce the number of credits required for degrees.
2. Increase the amount of homework.
3. Ask professors to spend less time teaching and more time in office hours and grading papers for the same, if not a higher, salary.
4. Experiment with reducing the number of courses in a few departments in a few universities to demonstrate effectiveness before trying this on a wide scale.
5. Reduce the number of credits required for courses such as military service, Marxism, Leninism, that do not bear on academic course content.
6. Transfer decision-making power to universities.
7. Convince MOET to measure the output through national examinations in a transparent process.

Group 4: Faculty Evaluation, Development and Advancement

Facilitator: **Dr. Neal Van Alfen**

The faculty, evaluation, development and advancement group maintained that faculty evaluation is lacking or flawed. Professors, as well as students, need mentoring and support

¹¹ Workshop participants were initially permitted to choose one of 5 breakout sessions. Based on the interest of the participants, groups 1 and 3 were combined into one session.

from peers. In their view, faculty members need to share in the decision-making process. The group recommended that MOET/Vietnam:

1. Develop evaluation criteria at each institution (autonomy required).
2. Base evaluation on both quality and quantity, not just quantity in teaching.
3. Allow faculty and management to devise transparent evaluation criteria together.
4. Provide help to those who need it.
5. Make evaluation transparent--include peers, supervisors, self, AND students.
6. Include methods such as questionnaires, classroom observation and interaction with external groups.
7. Permit each university to develop its own methodology (MOET should provide ideas, but not impose them).
8. Involve the faculty in management—faculty should share in the decision-making process with management (each university requires autonomy in this process).
9. Develop a Center of Excellence in Teaching.
10. Include research as a fundamental part of faculty development and provide better access to funding and more laboratories.

Suggested Resources:

1. Better laboratories and facilities to conduct research.
2. Improved level of English, especially for institutions outside of Hanoi and Ho Chi Minh City.
3. Interlibrary loan system and other means of sharing between universities.
4. Improved access to information and resources (Internet, laboratories, international journals and books).

Group 5: **Research in Undergraduate and Graduate Education**

Facilitator: **Dr. Issac Silvera**

The breakout group on research in undergraduate and graduate education primarily addressed funding issues. Most research funding goes to VAST, not universities, and the regional and provincial colleges receive a very small share. Research should not be separated from teaching, but at present it takes place primarily in research institutes and is not integrated into teaching institutions. Government-supported research does not collaborate with industry and the private sector, thereby decreasing opportunities for funding and the production of new technologies. Industry raids well-trained and talented professionals and scientists from educational institutions. Since academic researchers cannot supplement their salary from outside sources such as contracts with industry, even more academic researchers leave educational institutions. Universities cannot compete with industrial salaries and cannot provide equipment and facilities without foreign grants. Even when the institutes have sufficient equipment and funding, staff retention falters and researchers feel underutilized in the work environment. The group recommended that MOET/Vietnam:

1. Create Teaching-Research Teams, as the University of Da Nang currently does.
2. Allow student participation in research.
3. Supplement faculty salaries through research funds rather than increased hours of lecturing.
4. Recognize that time for research is a fundamental part of a professor's work responsibilities.

5. Increase the interaction between MOET officials and universities with VEF Fellows—strategically recruit VEF Fellows.
6. Encourage universities and MOET to develop a strategic plan to integrate research into undergraduate study.
7. Provide research funding to universities on a competitive basis.
8. Recruit and retain research-oriented faculty (such as VEF Fellows).
9. Require successful research for faculty promotion.

Possible approaches for Vietnamese university research:

1. Improve laboratory facilities, libraries, Internet access.
2. Encourage teaching by Ph.D. level faculty.
3. Support faculty research programs.
4. Make research part of a professor's employment responsibilities.
5. Support independent research programs for junior faculty with start-up funds for junior faculty research.
6. Connect promotion with successful research.
7. Reduce inbreeding, or hiring one's own graduates.

Final Remarks

Dr. Van-Toi Vo thanked all sponsors, presenters, and workshop participants. Dr. Nguyen Thi Le Huong then thanked the Workshop Presenters, the VEF, and the National Academies for undertaking this work. Since the groups provided long lists of recommendations, Dr. Huong expressed some concern about how to prioritize them. She also noted that these measures would cost an enormous amount of money, and further wondered whether the presenters could provide specific details on how to implement the suggestions. While many of the recommendations from the four groups overlapped (reduce the number of courses in the curriculum, involve faculty and students in research, etc.), the Workshop Presenters uniformly stated that only Vietnam itself, not visitors from the United States, can understand fully the context of Vietnam's educational system. Vietnam and MOET must prioritize the recommendations and decide on the best way to improve higher education in the country.

APPENDIX 24

Vietnam OpenCourseWare Project - Summary

PROJECT

OPEN EDUCATIONAL RESOURCES FOR VIETNAM

Introduction

The term "**Open Educational Resources**" was first adopted at UNESCO's 2002 Forum on the Impact of Open Courseware for Higher Education in Developing Countries funded by the William and Flora Hewlett Foundation. Open Educational Resources are digitized materials offered freely and openly for educators, students, and self-learners to use and re-use for teaching, learning, and research. Open Educational Resources include:

- *Learning Content*: Full courses, courseware, content modules, learning objects, collections, and journals.
- *Tools*: Software to support the development, use, re-use, and delivery of learning content including searching and organization of content, content and learning management systems, content development tools, and on-line learning communities.
- *Implementation Resources*: Intellectual property licenses to promote open publishing of materials, design principles of best practice, and localization of content.

The Vietnam Education Foundation (VEF) has spearheaded an effort to make Open Educational Resources (OER) readily available to Vietnam via the internet. The Ministry of Education and Training (MOET) in Vietnam, the Vietnam Advanced Software Company (VASC), the Massachusetts Institute of Technology (MIT), and VEF signed an agreement to develop the accessibility of MIT's OpenCourseWare (OCW) in Vietnam. As a result of this agreement, MIT OCW provides a hard disk copy of the educational content of their site twice annually to VEF so that this content can be uploaded on a mirror site set up on a dedicated server at VASC in Hanoi, Vietnam.

As an extension of this project, an important means of expanding the availability of open educational resources in Vietnam is through Rice University's Connexions. "Connexions is a rapidly growing collection of free scholarly materials and a powerful set of free software tools to help *authors* publish and collaborate, *instructors* rapidly build and share custom courses, [and] *learners* explore the links among concepts, courses, and disciplines." (<http://cnx.org/>) Connexions offers high-quality, custom-tailored electronic course materials, open and available to the public via the internet. MOET, VASC, Connexions, and VEF signed an agreement to help further the development of OER in Vietnam through the use of Connexions' software tools. The main part of this project will enlist the services of Vietnamese experts to work together in order to develop content for an online undergraduate sample curriculum consisting of approximately eight courses in each of three science and technology fields. To accomplish this, the development teams will utilize content from other available OER throughout the world as well as from their own knowledge in the subject and will then use the Connexions software platform to publish these courses online. In addition, the project joined the OpenCourseWare Consortium which is a collaboration of more than 100 higher education institutions and associated organizations from around the world creating a broad and deep body of open educational content using a shared model. The mission of the OpenCourseWare Consortium (<http://www.ocwconsortium.org>) is to advance education and empower people worldwide through OER.

Objective of the Project

The project aims at bringing the most updated and highest quality teaching and learning materials from the leading universities in the world to Vietnam by introducing and encouraging Vietnamese scientists, faculty members, and students to use Open Educational Resources in their teaching, learning, and research work. VEF has committed resources for this pilot project, encompassing 2006 – 2008, to include the placement of data centers¹² in Hanoi (VASC office), Danang (VASC Danang) and Ho Chi Minh City (VASC Ho Chi Minh City) as well as dedicated servers at select universities in Vietnam; the training of Vietnamese content development teams in the use of Connexions software; and the development and evaluation of OER content by these teams in three subject areas in science and technology, namely, computer science, electrical engineering, and biotechnology.

Project Implementation

To fully support Vietnamese users, especially the faculty and students of VOCW's member universities, the VOCW project established a profound infrastructure, including a sophisticated **hardware system**, advanced **software tools**, and **legal guidance**.

Hardware

VOCW offers a very robust and flexible system that includes data centers and local servers. This system makes use of a member university's campus LAN to serve faculty members and students, thus, minimizing the Internet connection cost for the member university to use VOCW.

The following summarizes the number and location of data centers and local servers:

- Three (3) data centers in Hanoi, Danang, and Ho Chi Minh City
- Thirteen (13) local cache servers at member universities:
 1. Hanoi Agricultural University
 2. College of Technology, Vietnam National University – Hanoi
 3. University of Sciences, Vietnam National University - Hanoi
 4. Hanoi National University of Education
 5. Hanoi University of Technology
 6. Thai Nguyen University
 7. Hue University
 8. University of Da Nang
 9. Ho Chi Minh City University of Pedagogy
 10. University of Natural Sciences, Vietnam National University – Ho Chi Minh City
 11. University of Technology, Vietnam National University – Ho Chi Minh City
 12. Tien Giang University
 13. Can Tho University

¹² A data center is defined as a group of servers, which connect to local servers. In this case, each of the three centers in Vietnam will connect to a specified number of servers located at nearby regional universities. In addition, each data center serves internet users at that location.

Connexions Software Tools

VOCW has adopted the Rice University Connexions software tools to implement the web portal at <http://www.vocw.edu.vn>. The tools were developed by Rice University in 1999 and have been known as “the revolution in publishing.”

Creative Commons Licenses

In order to protect the intellectual property of content developers and their copyrights, VOCW uses Creative Commons (CC) licenses that provide authors, scientists, artists, and educators with free tools to easily mark their creative work with the freedom they want it to carry. VEF has been working with Creative Commons and aims to complete having the license suite ported into Vietnamese for Vietnamese authors by June 2008.

APPENDIX 25

WORKSHOP: Course Design and Evaluation for Vietnam OpenCourseWare

Conducted by Dr. Philip Doughty, Syracuse University

Date: June 14 & 15 in Hanoi
June 18 & 19 in Ho Chi Minh City

Time: 08.30 am – 05.30 pm

Venue: Sofitel Plaza Hotel, 1 Thanh Nien Road, Hanoi
Sofitel Plaza Sai Gon, 17 Le Duan Street, District 1, Ho Chi Minh City

Teaching Assistants for the workshop:

1. Mr. Nguyen Giao Hoa, VEF PhD student in Chemistry, University of Utah
2. Mr. Nguyen Quang Hoang, VEF PhD student in Civil Engineering, University of Massachusetts, Amherst
3. Mr. Nguyen Viet Hung, VEF PhD student in Computer Science, Arizona State University
4. Mr. Tran Viet Hung, VEF IT Director & OCW
5. Ms. Kari Gazdich, VEF Program Officer
6. Ms. Huynh Phuong Ly, VEF Program Manager

Day One Schedule:

Time	Contents	By
08.30 am – 08.45 am	Registration	VEF staff
08.45 am – 09.00 am (June 14 and in Hanoi)	Opening remarks	Facilitator: Dr. Nguyen Thi Le Huong - Prof. DrSc. Banh Tien Long, Vice Minister, MOET - Dr. Malcolm Gillis, Chairman, VEF
09.00 am – 10.00 am	The Rationale for a Comprehensive Student Manual	Dr. Philip Doughty
10.00 am – 10.15 am	Coffee Break	
10.15 am – 12.00 am	- Components of a Student Manual - Review and Critique of Available Resources	Dr. Philip Doughty
12.00 pm – 01.30 pm	Lunch	
01.30 pm – 03.00 pm	Development of the Course Plan: Curriculum, Students, General Approach, Assessment Strategies	Dr. Philip Doughty
03.00 pm – 03.15 pm	Coffee Break	
03.15 pm – 05.30 pm	- Development of the Course Plan: Continue - Debrief on Progress to Date and Next Steps	Dr. Philip Doughty

Day Two Schedule:

Time	Contents	By
08.30 am – 08.45 am	Registration	VEF staff
08.45 am – 10.00 am	- Review, Critique and Construction of Course Goals and Objectives - Planning and Describing Instructional Methods - Defining Assessment Approaches and Rationale	Dr. Philip Doughty
10.00 am – 10.15 am	Coffee Break	
10.15 am – 12.00 am	Continue: - Review, Critique and Construction of Course Goals and Objectives - Planning and Describing Instructional Methods - Defining Assessment Approaches and Rationale	Dr. Philip Doughty
12.00 pm – 01.30 pm	Lunch	
01.30 pm – 03.00 pm	- Completion of Preliminary Drafts of Student Manual Sections - Review and Critique of Drafts of Components - Search for Additional and Supplementary Materials - Plan for Completion, Review and Final Editing of the Student Manual	Dr. Philip Doughty
03.00 pm – 03.15 pm	Coffee Break	
03.15 pm – 05.30 pm	Continue: - Completion of Preliminary Drafts of Student Manual Sections - Review and Critique of Drafts of Components - Search for Additional and Supplementary Materials - Plan for Completion, Review and Final Editing of the Student Manual Debrief on the Workshop and Next Steps	Dr. Philip Doughty

Note: The following activities will occur during the workshop time:

- The opening ceremony will be at 8.45 am on June 14, in Hanoi
- All participants of VOCW workshop in Ho Chi Minh City are invited to the Farewell reception with VEF Fellows at 18.30, Monday, June 11 at Sofitel Plaza Sai Gon, 17 Le Duan street, District 1, Ho Chi Minh City
- All participants of VOCW workshop in Hanoi are invited to the Welcome reception which will be at 18.00, Thursday, June 14 at Hanoi Marina Restaurant, 12 Tran Vu street, Hanoi

APPENDIX 26

Vietnamese Organizations Cooperating With VEF

During this reporting period of FY 2007, 33 Vietnamese organizations served as co-sponsors working closely with VEF to organize 19 lectures, 10 workshops, and 1 on-line interview and to host 3 VEF-sponsored data centers and 12 VEF-sponsored local cache servers. The list is organized alphabetically according to the names of the Vietnamese organizations.

#	ORGANIZATION	ACTIVITY (mm/dd/yyyy)
1	Can Tho University	Member university of the Vietnam OpenCourseWare Project (VOCW) where a local cache server was installed (06/18/2007)
2	Hanoi National University of Education	Member university of the VOCW Project where a local cache server was installed (05/25/2007) Workshop: <i>Higher Education Enhancement Workshop: Strategic and Tactical Planning for Educational Enhancement</i> (08/07/2007)
3	Hanoi National University of Education, Faculty of Information Technology	Lecture: <i>Virtual Environments Graphics, Graphics, and Human – Computer Interaction Research at The University of Iowa</i> (08/08/2007)
4	Hanoi School of Public Health	Lecture: <i>Intervention Mapping: Planning Theory and Evidence-based Health Promotion Programs</i> (08/08/2007)
5	Hanoi University of Agriculture	Member university of the VOCW Project where a local cache server was installed (05/28/2007) Lecture: <i>Organization, Operation, and Governance of Inter-disciplinary and Inter-Institutional Graduate (Ph.D.) Programs in Biomedical Sciences</i> (08/06/2007) Lecture: <i>A Disease of a Disease-Causing Fungus: An Opportunity to Understand the Molecular Basis of Virulence and Development of a Plant Pathogenic Fungus</i> (08/07/2007)
6	Hanoi University of Technology	Member university of the VOCW Project where a local cache server was installed (05/21/2007) Lecture: <i>Future Directions in Computer Science</i> (08/07/2007)
7	Ho Chi Minh City (HCMC) University of Medicine and Pharmacy	Lecture: <i>Intervention Mapping: Planning Theory and Evidence-based Health Promotion Programs</i> (08/11/2007)
8	HCMC University of Pedagogy	Member university of the VOCW Project where a local cache server was installed (06/13/2007)

#	ORGANIZATION	ACTIVITY (mm/dd/yyyy)
9	HCMC University of Pedagogy, Institute for Education Research	Workshop: <i>Higher Education Enhancement Workshop: Developing Student Learning Outcomes--An Introduction</i> (08/13/2007) Workshop: <i>Evaluating Educational Excellence of Institutions, Programs and Courses (follow-up)</i> (08/13/2007)
10	Hue University	Member university of the VOCW Project where a local cache server was installed (06/05/2007)
11	Ministry of Education and Training (MOET)	Workshop: <i>Follow-up Workshop on Opportunities for Enhancing STEM Education in Vietnam: A Forum for the Discussion of VEF's Reports on Undergraduate and Agricultural Education</i> (August 2 -3, 2007) Workshop: <i>Course Design and Evaluation for Vietnam OpenCourseWare</i> (June 14 -15, 2007, in Hanoi and June 17 - 18, 2007, in HCMC)
12	Ministry of Science and Technology (MOST), National Institute for Science and Technology (S&T) Policy	Lecture: <i>The USA's & Malcolm Baldrige National Quality Award: Evolution as a Worldwide Roadmap for Organizational Performance Excellence</i> (08/08/2007)
13	Post and Telecommunications Institute of Technology	Lecture: <i>Addressing of Self-Assembled Nanoarrays</i> (08/08/2007)
14	Thai Nguyen University	Member university of the VOCW Project where a local cache server was installed (05/30/2007)
15	The University of Da Nang	Member university of the VOCW Project where a local cache server was installed (06/07/2007) Workshop: <i>Higher Education Enhancement Workshop: Strategic and Tactical Planning for Educational Enhancement</i> (08/09/2007)
16	Vietnamese Academy of Science and Technology (VAST), Institute of Biotechnology	Lecture: <i>Computer Sciences Research in the Biological Sciences</i> (08/08/2007)
17	VAST, Institute of Chemistry	Lecture: <i>Graphene Sheets and Their Nanocomposites</i> (08/06/2007)
18	VAST, Institute of Materials Science	Lecture: <i>Nanostructured Routes to Extreme Phenomena in Magnetic Materials</i> (08/08/2007)
19	VAST, Institute of Mathematics	Lecture: <i>The Best-Kept Secret of Computational Mathematics</i> (08/06/2007)
20	VAST, Institute of Mechanics	Lecture: <i>Design for Vertical Evacuation from Tsunami</i> (08/06/2007)
21	VAST, Institute of Physics and Electronics	Lecture: <i>Hydrogen at Ultra High Pressure: The Quest for Metallic Hydrogen</i> (08/08/2007)

#	ORGANIZATION	ACTIVITY (mm/dd/yyyy)
22	Vietnam Net	Member organization of the VOCW Project. Hosting three data centers: <ol style="list-style-type: none"> 1. One in the Vietnam Net office in Hanoi (05/07/2007); 2. One in Da Nang (06/06/2007); and 3. One in Ho Chi Minh City (06/11/2007). <p>Live Online Interview: <i>Establishment and Development of High-Quality Universities in Vietnam</i> (06/12/2007)</p>
23	Vietnam National University (VNU) Hanoi, College of Technology	Member university of the VOCW Project where a local cache server was installed (01/24/2007)
24	VNU Hanoi, University of Science	Member university of the VOCW Project where a local cache server was installed (05/27/2007) Workshop: <i>Higher Education Enhancement Workshop: Developing Student Learning Outcomes--An Introduction</i> (08/06/2007)
25	VNU Hanoi, University of Science, Faculty of Chemistry	Lecture: <i>Graphene Sheets and Their Nanocomposites</i> (08/08/2007)
26	VNU Hanoi, University of Science, Faculty of Mathematics, Mechanics, and Informatics	Lecture: <i>Non-negative Matrix Factorization: The Extreme Data Property and Ill-Posedness</i> (08/08/2007)
27	Vietnam National University - Ho Chi Minh City (VNU HCMC)	Workshop: <i>Higher Education Enhancement Workshop: Strategic and Tactical Planning for Educational Enhancement</i> (08/11/2007)
28	VNU HCMC, University of Natural Sciences	Member university of the VOCW Project where a local cache server was installed (06/12/2007)
29	VNU HCMC, University of Natural Sciences, Faculty of Mathematics	Lecture: <i>Non-negative Matrix Factorization: The Extreme Data Property and Ill-Posedness</i> (08/10/2007)
30	VNU HCMC, University of Social Sciences & Humanities	Workshop: <i>Higher Education Enhancement Workshop: Developing Student Learning Outcomes--An Introduction</i> (08/10/2007) Workshop: <i>Evaluating Educational Excellence of Institutions, Programs and Courses (follow-up)</i> (08/10/2007)
31	VNU HCMC, University of Technology	Member university of the VOCW Project where a local cache server was installed (06/15/2007)
32	VNU HCMC, University of Technology, Faculty of Applied Science	Lecture: <i>Hydrogen at Ultra High Pressure: The Quest for Metallic Hydrogen</i> (08/10/2007)
33	Water Resources University	Lecture: <i>Drinking Water: Treatment to Minimize Water Quality Changes and Energy Losses During Distribution</i> (08/07/2007)

APPENDIX 27
Strategic Plan
Proposed by Vo Van Toi

Current VEF situation

 Challenges

- Budget: \$5 million/year
- Mission: as stated in the VEF Act
- Constraint: No solicitation of outside funding
- Time limit: year of 2018

 Strength

- Our fellows and alumni: 189 and growing
- Appropriate infrastructure and effective operations
- High quality of outcomes
- High visibility

Needs of Vietnam

- **Appropriate infrastructure that can absorb talented people**
- **Consistent operations that function well and are able to be improved**
- Win-win situation mindset: Be proactive and cooperative
- Appropriate quality control mechanisms
- Daring long term vision
- Sustainable solutions
- One or more new research Universities of high quality (so-called world-class)

Factors for future success

- Influential and supportive Vietnamese-Americans and non-Vietnamese Americans
- Strong market for workforce in educational and research institutions in VN
- Supportive Vietnamese Minister of Education and Training
- Genuine willingness of the Vietnamese government to improve educational system

Vision

Through the works of VEF fellows, to leave a profound scientific and technological legacy in research, education and entrepreneurship in Vietnam

Aspirations

- VEF fellows will be leaders in emerging technologies and sciences
- VEF fellows will be leaders in conducting interdisciplinary research, education, and entrepreneurship.
- VEF will promote mutual benefits between American and Vietnamese academic and industrial communities with realistic, high standard, and concrete models

Objectives

- Prepare for the return of our fellows to VN
- Be the role model and pioneer for Vietnam

Specific Aims

- Build career-planning for our fellows
- Encourage common vision of professional involvement in VN among the fellows
- Focus in the capacity-building and sustainable projects in VN
- Run cost effective operations within VEF budget.

Strategy

1. For VEF fellows

- Motivate them to develop long term vision, and complementary skills in leadership, and in management of science and technology.
- Motivate them to work in groups, be proactive, think positively, and be capable of reaching consensus.
- Motivate them to form and maintain networks among themselves and their U.S. mentors
- Help them to link their research topics with the needs of VN.

2. For the educational, scientific, and governmental leadership in Vietnam

- Assist in establishing partnerships between US-VN with cost-sharing by the partners and seed money from VEF.
- Encourage Vietnamese capital and leadership of programs and projects while VEF transfers know how.
- Build relationships top-down in order to give VEF visibility while working within the already-established systems in VN.
- Build relationships bottom-up in VN in order to establish effective infrastructure and operations.

Short term plan (Completed by January 31, 2008)

- Organize VEF Fellows' Annual Conference with a focused theme on returning to VN: "All the ways home", where VEF fellows will (1) propose the ways how they will contribute to Vietnam with their expertise and how they prepare themselves now; and (2) debate those ideas with an invited panel consisting of people who had this experience.
- Expand the Annual Conference Career Fair to include Vietnamese academic institutions.
- Help to initiate US-VN seminars, courses, and conferences that have a plan on how to continue to perpetuate the activity and that have active participation of our fellows.
- Disseminate our publications through our website.
- Expand our public relations efforts with Vietnamese institutions/universities.
- Complete, evaluate, and transfer knowledge to the Vietnamese about our current projects.
- Establish VEF alumni association to include Fellows and Visiting Scholars.
- Establish a U.S. Scientific Advisory Council for VEF to include Vietnamese-Americans and other experts with professional interests in VN.

- Seek ways to help Vietnam plan and implement one or more new high quality research Universities
- Consider strategy and tactics for securing Congressional approval for Solicitation of Outside funding and the total amount of debt paid by VN

Medium term plan (Completed by December 2010)

- Focus on emerging technologies and sciences for selection of fellows.
- Replace fellowship selection Process A with Process B.
- Renegotiate MOU to have the universities paying full support from the second year.
- Organize corporate and academic linkages for Academic Training (AT) opportunities for VEF fellows in American industry and in U.S. research institutions.
- Promote joint projects between US and VN institutions, which are initiated by VEF Fellows and based on their research.
- Develop sustainable joint curricula/teaching programs between US and VN institutions, which are initiated by VEF Fellows and based on their fields.
- Assist Vietnamese Government in efforts to assure success of one or more new research universities

Long term plan (Completed by 2018)

- Find U.S. experts to create a think-tank for VN, to collaborate with VN, to work in VN, and to evaluate educational and scientific activities in VN.
- Help to create a National Academies for VN.
- Help to create a National Science Foundation and a National Institutes of Health for VN
- Create a post-VEF.

KEY WORDS:

Characteristics

- Focus
- High quality
- Sustainability
- Role model

Actions

- Match-making
- Partnership/cost-sharing
- Dissemination of information

Concentrations

- Leadership
- Emerging technology
- Research, Education, and Entrepreneurship
- Interdisciplinary projects

APPENDIX 28

Article on VEF's achievements and future directions

Editorial

The Vietnam Education Foundation: Bridging Science and Technology between the U.S. and Vietnam

Toi Van Vo

Published online May 24, 2007

It is an honor to be invited to contribute an article about the Vietnam Education Foundation (VEF) at the Inauguration of The ViPLOK Journal, a brand new medium for scholarly publication. As the VEF Executive Director, I would like to use this opportunity to address readers VEF's mission and programs, and to report some up-to-date statistical data on the program.

The Vietnam Education Foundation is an independent federal agency established by the U.S. Congress and based on the initiative of former President Bill Clinton during his historical visit to Vietnam in 2000. Its mission is to further the process of reconciliation and to build the bilateral relationship between the United States and Vietnam, serving the interests of both countries through educational means. The VEF mission is accomplished by bringing Vietnamese nationals to study in the United States at the graduate and post-graduate levels in sciences, medicine, technology, engineering and mathematics; by sending U.S. citizens to teach in those same fields in academic institutions in Vietnam, and by building capacity in science and technology in Vietnam through joint projects between the scientific and academic communities of both countries. VEF is governed by a Board of Directors, whose thirteen members consist of three U.S. Cabinet members, two U.S. Senators, two U.S. Representatives, and six presidential appointees; and it is headed by the Executive Director appointed by the Board. The annual funding for VEF is \$5,000,000, which began in fiscal year 2001 and continues through 2018.

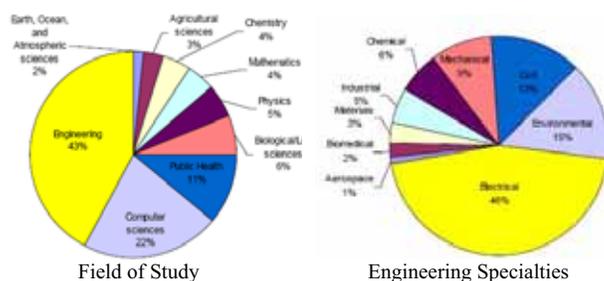
VEF Fellows' Profiles and Statistics

Since operations began in March 2003, 190 VEF Fellows have studied in graduate programs in 56 top-tier U.S. research universities. Another 40 Fellows have been selected for cohort 2007 to begin studies in the fall 2007. So far, 18 Fellows have graduated, 9 of them have returned to Vietnam, 3 have continued on to Ph.D. programs in the U.S. with sources of funding other than from VEF, and 6 are in post-graduate Academic Training (AT) in the U.S. An AT experience helps VEF Fellows develop their professional skills beyond their academic degree and helps them expand ties to U.S. experts in their field, whether in academia or in other sectors before returning to Vietnam.

The maximum time for AT for J-1 students is 18 months for an individual in a Master's degree program and 36 months for an individual in a Ph.D. program. VEF Fellows are required to return to Vietnam for two years after completing their academic program, which includes subsequent training.

VEF organizes annually the VEF Fellows Conference as a forum to share knowledge and experiences among the Fellows and with other scientists and scholars in order to encourage professional ties among VEF Fellows and U.S. experts. One of the themes of this year conference to be organized in January 2008 will be "All the ways home". VEF fellows and guests will discuss the ways how the Fellows will contribute to Vietnam with their expertise and how they prepare themselves now. Furthermore, by providing conference grants, VEF encourages Fellows to present at professional conferences their research results. In addition, by providing travel grants, VEF encourages Fellows to work, do research, and/or teach in Vietnam in their field of interest as a means of keeping the Fellows connected to, and interested in, development in Vietnam. To develop further these strong ties and networking and to develop skills in self-governance, VEF has assisted the VEF Fellows to organize the VEF Fellows Association (VEFFA), which can be contacted through VEF.

Most Fellows pursue a doctorate (87%), and the majority is in the fields of engineering (43%) and computer sciences (22%). Among those in engineering, the majority is in electrical engineering (46%). Most Fellows (69%) range in age from 23-28, and females account for 23% of the total number of Fellows (Fig. 1).



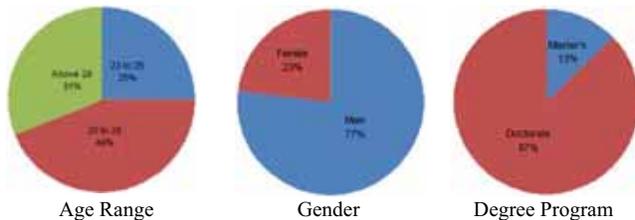


Figure 1: Some statistics on VEF Fellow profiles

As for the regional origins in Vietnam and regional locations of their U.S. universities, most Fellows come from the North of Vietnam (63%). Half of the Fellows (50%) attend universities in the middle region of the U.S (Fig. 2).

VEF has established an Alliance with over 100 leading U.S. research universities through a Memorandum of Understanding to pursue cost-sharing arrangements. VEF provides a grant to the University of \$27,000 per Fellow per year for the first two years of a Fellow's graduate study. In exchange, the university manages and supplements the grant funds to cover required tuition, required fees, mandatory health and medical insurance, and a monthly stipend for 12 months, which must be equivalent to what a graduate student in the designated department would receive. The universities are expected to support VEF Fellows fully by their third year through a graduate assistantship or other means. At that point, VEF provides directly to each Fellow a professional development grant of \$3,000 per year for years 3, 4, and 5.

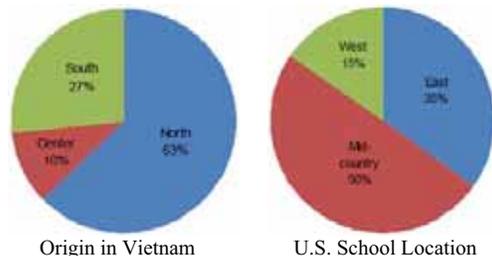


Figure 2: Demographic distribution of VEF Fellows based on their origin in Vietnam (left), and their attended U.S. universities (right)

VEF Fellows are doing very well academically (Fig. 3). As of the spring 2007, among enrolled Fellows, 40 (23%) have already passed the doctoral qualifying exams. The majority (77%) have a cumulative Grade Point Average (GPA) of B+ or better.

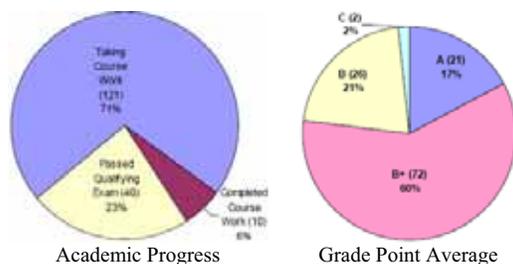


Figure 3: VEF Fellow's performance in the U.S.

Application and Selection Process

The VEF Fellowship is not envisioned as a simple funding mechanism for graduate study in the U.S. On the contrary, it aims to support talented and ambitious Vietnamese who desire to contribute to the scientific and technological progress of Vietnam and to the VEF mission. To attract the best and the brightest candidates, VEF designed a competitive, transparent, and open selection process in order to assure U.S. universities of the high quality of VEF Fellows, who will help build the reputation of Vietnam in science and technology. Because some top level U.S. universities are still unfamiliar with Vietnamese graduate students, VEF engages the assistance of the U.S. National Academies in the selection process, culminating in an oral exam/interview conducted by U.S. scientists, who write a letter of recommendation for each candidate that they nominate for a VEF Fellowship.

Once the final candidates are approved as VEF Fellows and before their departure to the U.S., VEF organizes a Pre-Departure Orientation in June to provide them an opportunity to hone their skills for academic success, to ensure a smooth transition to the U.S., and to begin their integration into the VEF family.

Recognizing the success of the VEF Fellowship program, the Vietnamese Ministry of Education and Training (MOET) has indicated that they are adopting the VEF application and selection process for its own scholarship program, known as the 322 Program. Furthermore, MOET has asked VEF to train MOET staff in the VEF application and selection process, related systems, and online forms.

To explain the VEF process further, one can obtain a VEF Fellowship through two different means, either Process A or Process B. In Process A, having succeeded in a series of standardized exams, a finalist must demonstrate his/her ability to excel in the U.S. academic environment through a highly competitive oral exam and interview conducted in English by renowned American professors and scientists invited to Vietnam by the National Academies. In Process B, the candidate must have already been admitted to a U.S. university. In both cases, the candidates must have an excellent academic record and significant professional and/or research experiences; they are expected to receive admission to a U.S. research university, which is highly recognized in the applicant's field, and they must demonstrate a strong commitment to contribute to the development of science and technology in Vietnam.

As an example, in the on-going 2008 Fellowship competition of Process A, 330 qualified applicants met the posted deadline. After completion of the standardized exams, 38% of the initially qualified applicants, totaling 127, met the requirements to be invited to the final stage of the competition—the oral exam/interview—to compete for 30 Fellowships in August 2007. As another example, during the 2007 competition for Process B, 23 applicants met the application deadline and, in the end, 10 (43%) were accepted as VEF Fellows.

VEF found that the oral exam/interview and the process of applying to appropriate U.S. universities can present a challenge to the candidates. To help participants become familiar with the exam process, VEF organizes a "Pre-Oral Exam Meeting" in both Hanoi and Ho Chi Minh City several weeks before the oral exam/interview. To help Fellowship candidates that have already been nominated to receive a Fellowship, VEF organizes an orientation on U.S. university application procedures. The purposes of these meetings are to inform the candidates of necessary requirements and expectations and to give them a chance to meet with VEF Fellows from previous cohorts, who can share their valuable experiences.

Visiting Scholar Program

The Visiting Scholar Program is a pilot project recently established for Vietnamese nationals, who already hold a doctorate in the fields that VEF supports, including sciences, technology, engineering, and mathematics. This program is intended to support professional development training, which may include studies, research, and/or observational activities, to take place in cooperation with the leading U.S. academic institutions. The scholar will develop and undertake a program of a minimum of three months up to one year in length, which may include formal courses, workshops, seminars, laboratory or field research, or other types of professional development activities. Upon returning to Vietnam, the Visiting Scholar must use the knowledge and skills acquired in the U.S. to train others. In this way, the VEF Visiting Scholar Program is a training-of-trainers (TOT) program. For the 2007 Visiting Scholar Program, 27 qualified applicants met the deadline, out of whom 12 (44%) have been accepted.

Among this year's Visiting Scholars, the primary fields of interest are agricultural sciences, electrical engineering, and physics. The majority of Visiting Scholars are female (58%). The region of origin in Vietnam is equally divided between the North (50%) and the rest of the country with the South representing 42% and the Center 8%. Half of the Visiting Scholars are hosted by U.S. universities in the East while only 17% are attending schools in the West. Most Visiting Scholars are between the ages of 30-39 (51%), followed by the second largest group of those between the ages of 40-49 (33%). The majority (67%) will stay in the U.S. for 6-12 months to complete their intended professional development program.

Building Capacity

VEF has developed strategic activities ranging from seminars and workshops to special projects to help build Vietnam's capacity in science and technology. As part of the Seminar and Projects Program, VEF has sent more than 60 American scientists to Vietnam to deliver seminars and lectures at almost 60 scientific and educational institutions throughout the country. Furthermore, VEF has been involved in several special projects, in particular, the potential development of Millennium Science Initiative

(MSI) Centers of Excellence, the investigation of the potential establishment of a top-tier university in Vietnam, and the development of Vietnam Open Courseware (VOCW). Currently, the VOCW project is in full development with the participation of 14 educational establishments located throughout Vietnam.

VEF also sponsored U.S. experts to investigate the current status of teaching and learning in computer science, electrical engineering, and physics as well as agricultural sciences in the higher education sector in Vietnam. The outcome was two successful reports, entitled Observations on Undergraduate Education in Computer Science, Electrical Engineering, and Physics at Select Universities in Vietnam and Observations on the Current Status of Education in the Agricultural Sciences in Vietnam. A follow-up workshop on the reports to suggest new directions for improvement will be conducted in Vietnam in August 2007. VEF is also co-sponsoring the "Second International Conference on the Development of Biomedical Engineering in Vietnam and the Second Young Vietnamese Scientists Meeting" in Hanoi in July 2007 to bring scientists from the U.S, Vietnam, and elsewhere to present state of the art information in this emerging technology and to pave the way for sustainable collaboration.

In essence, the objective of these projects is to contribute to the establishment of a new standard for research and education in sciences and technology in Vietnam.

Future Directions

In the initial phase of its activities, VEF has established an excellent infrastructure with high-quality working operations. In view of its small size and ambitious mission, the vision is to bring VEF to the next level of operations, which will concentrate on sustainable and high standard activities to bridge the scientific, educational and industrial communities of the U.S. and Vietnam.

The goal of VEF is to leave a profound scientific and technological impact on Vietnam by facilitating partnerships between the U.S. and Vietnamese research and education institutions and by helping VEF Fellows to build their dreams, to transform their dreams into their visions, and finally to bring their visions into actions. To that end, VEF will continue to support the basic sciences. Furthermore, VEF will concentrate on the development of pilot activities, with the active participation of VEF Fellows, and researchers and educators in Vietnam, to demonstrate the necessity and feasibility for Vietnam to develop emerging technologies and sciences, to embrace the concept of interdisciplinary collaboration, and to engage in the invaluable relationship between research, education, and entrepreneurship. VEF plans to establish a U.S. Scientific Advisory Council to include Vietnamese-Americans and other experts with professional interests in Vietnam that eventually will pave the way for the

establishment of a scientific and technological think-tank for Vietnam.

All of these efforts, focusing on the development of science and technology in Vietnam, together with the involvement of U.S. and Vietnamese scientists and experts in VEF activities in Vietnam, will dynamically continue to build the bridge between the U.S. and Vietnam, building a bright future for the relationship of the two countries.

Acknowledgment

The author would like to thank all the VEF staff for their contributions to this article and the National Academies for their assistance.

the AUTHOR



Toi Van Vo is Executive Director of the Vietnam Education Foundation based in Washington, DC. He is on leave as an Associate Professor of Biomedical Engineering at Tufts University. Prior to his appointment at Tufts, he was a post-doctoral fellow at the Biomedical Engineering Center in the Division of Health Sciences and Technology--a joint program of Harvard University and the Massachusetts Institute of Technology. He earned his Ph.D. at the Swiss Federal Institute of Technology in Lausanne, Switzerland. He has been instrumental in building the Department of Biomedical Engineering at Tufts, and the Eye Research Institute in Sion, Switzerland. He co-founded the Vietnamese North American University Professor (VNAUP) network, the Biomedical Engineering Consortium of Vietnam-International Universities and the Vietnamese Association of Biomedical Engineering. Contact him at:

Vietnam Education Foundation
2111 Wilson Boulevard, Suite 700
Arlington, VA 22201, USA
Phone: 1-703-351-5053
Fax: 1-703-351-1423
Email: toivo@vef.gov
www.vef.gov and www.tufts.edu/~vvo

APPENDIX 29
VEF'S Official Development Assistance (ODA) Status

LICENSE
FOR THE ESTABLISHMENT OF
A REPRESENTATIVE OFFICE
IN VIETNAM

No.: 4057/GP-BGDDT
Date: August 06, 2007
Issued to: Vietnam Education Foundation

Hanoi, August 6, 2007

LICENSE

FOR THE ESTABLISHMENT OF A REPRESENTATIVE OFFICE IN VIETNAM

MINISTER OF MINISTRY OF EDUCATION AND TRAINING

- Pursuant to Decree No. 86/2002/ND–CP dated November 05, 2002 promulgated by Government on the function, responsibility, power and organizational structure of ministry and ministerial level agencies;
- Pursuant to Decree No. 85/2003/ND–CP dated July 18, 2003 promulgated by Government on the function, responsibility, power and organizational structure of the Ministry of Education and Training;
- Pursuant to statement No. 3056/VPCP-QHQT dated June 6, 2005 and statement No. 3802/VPCP-QHQT dated July 10, 2007 by the Government Office regarding to the establishment of a Representative Office of the Vietnam Education Foundation of the United States of America;
- Considering the recommendation from the Vietnam Education Foundation (VEF), headquartered in the United States of America;

DECIDES

- Article 1:** To permit the Vietnam Education Foundation (VEF)
Address of Headquarters: 211 Wilson Boulevard, Suite 700, Arlington, VA 22201, USA
Nationality: American
to establish a representative office in Hanoi, Vietnam.
- Article 2:** Name of the Representative Office: Vietnam Education Foundation (VEF) - Hanoi.
- Article 3:** Scope of activities of the representative office: to carry out VEF’s educational programs. In particular, the office shall work with the VEF’s Advisory Council of Vietnam to select Vietnamese citizens for master’s and doctoral programs in the United States of America; to invite American professors and scientists to come to Vietnam and teach at some relevant universities and research institutes as per requests from Vietnamese partners; to carry out different activities within the VEF program framework to insure VEF’s success in Vietnam.
- Article 4:** Scope of locations for VEF Representative Office’s activities: Hanoi, Hai Phong, Hue, Da Nang, Ho Chi Minh City, and Can Tho City.

Article 5: Number of staff in the Representative Office: 10 people (including 2 foreigners and 8 Vietnamese).

Article 6: Operational regulations of the Representative Office:
VEF Representative Office shall comply with regulations for ODA representative offices in Vietnam.

Article 7: All activities of the Representative Office and its staff shall abide by the law of the Socialist Republic of Vietnam.

Article 8: Professor Vo Van Toi is responsible for all activities run by the Vietnam Education Foundation, including the Representative Office.

Date of birth: July 27, 1949 Nationality: American

Position: Executive Director of Vietnam Education Foundation

Article 9: The VEF Representative Office shall maintain close collaboration with units under the Ministry of Education and Training during the Project implementation period. The Representative Office will inform the Ministry of Education and Training semi-annually on the progress and the outcome of activities carried out by VEF.

Article 10: This license is issued in replacement of License No. 3294/GP-BGDDT dated June 16, 2005 and shall be valid for 5 years from the promulgation date.

**FOR THE MINISTER,
DEPUTY MINISTER**

(Signed and sealed)

Tran Van Nhung

APPENDIX 30

Press Release by U.S. Embassy on VEF Being Granted ODA Operating Status

PRESS RELEASE

August 9, 2007

Vietnam Education Foundation Is Granted Official Overseas Development Assistance Status

Hanoi, August 9, 2007 – In a ceremony in Hanoi yesterday, the Ministry of Education and Training (MOET) announced the official designation of the status of the Vietnam Education Foundation, or VEF, as an Overseas Development Assistance (ODA) agency. In particular, Ministry Officials cited VEF's efforts in developing the areas of science and technology in Vietnam. This ODA status will facilitate even greater areas of cooperation between the United States and Vietnam.

Since it began operations in Vietnam five years ago, VEF has been instrumental as part of the America's effort to help train Vietnam's leaders of tomorrow. VEF is currently hosting a group of top U.S. scientists who are working to select the next group of Vietnamese grantees, while also participating in seminars and workshops with their academic colleagues here.

Together, VEF and the separate U.S. Fulbright Program contribute approximately \$10 Million per year to educate Vietnamese students and scholars, with millions more coming from myriad scholarships and grants awarded from other U.S. academic institutions.

Deputy Chief of Mission Jonathan Aloisi, who attended the announcement ceremony, welcomed VEF's new status, and applauded their ongoing cooperative efforts in training Vietnam's next generation of top scientists. "The United States is proud to be a partner in Vietnam's goal of educating more scholars and raising the level of its educational system to meet this country's growing demand for highly-trained trained teachers, scientists, engineers and leaders," Mr. Aloisi said. "The doors to U.S. education are open – and opening wider – and it is our hope that many more Vietnamese will pursue advanced study in the United States via both public and private channels."

###