

What is the Fulbright Academy?

- FAST reaches out to and creates linkages among leaders in government, industry, academia, and foundations. It works with executives, lawyers, educators, administrators, researchers, teachers and other professionals.
- In 2008, we conducted programs in every corner of the world.
- Our science and technology network covers social sciences, natural and life sciences, health, engineering, business, architecture, law, education and other related disciplines.

Inside this issue:

Fulbright Academy Financial Update	2
Note from FAST's Executive Director	3
Membership Information	4-5
Collaborating with Industry	5
Fulbright Alumni and Program News	6
FAST Science Research Tours	7
Telescope Repair: A FAST Story	7
FAST Annual Conference	7-8

Evolving Composition of Fulbright Alumni Community

FAST is an independent organization started by Fulbright alumni, so we take a keen interest in how the Fulbright Program evolves. CIES, which administers part of the Fulbright program, prepared a statistical review of grantees (and thus alumni) for the five year period 2004-2008.

These numbers show how the Fulbright program differs from the common perception that it is mostly professors, mostly Europe and mostly humanities. In fact, the vast majority of the 7,000+ grants are students; the sciences are big, and Asia is a growing part of the exchange program.

1. US Students going abroad.

There were 1,506 Fulbright grants to students in 2008, up from 1,126 in 2004, and the top five receiving countries in 2008 were, in descending order, Germany, South

Korea, Spain, China and Indonesia. 66% of recipients had a Bachelor's degree, 16% had a Master's, and 17% were working on a PhD.

Top activity to carry out for US student grantees abroad: English Teaching Assistantships (507 of 1,506 grants in 2008, or 33%), followed by four science fields: Anthropology/ Sociology, Political Science, Public Health, and Biology. 38% were male; 62% were female. African-American and Hispanic-American students received 11% of the grants.

2. Foreign Students to USA .

US institutions hosted 2,182 student grantees in 2008, up from 1376 students in 2004. The top five sending countries were Germany, Pakistan, Chile, Indonesia and Turkey. 57% had a Bachelor's degree, 22% had a Master's, and 19% were working on a Ph.D.

Top activity for students coming to the USA: earning a professional degree, such as law, business administration, public administration and public health, followed by Sciences & Engineering, Social Sciences/Humanities, and Computer Science. In 2008, 55% were male, and 45% were female.

3. US Scholars Abroad. One third of US faculty and professionals abroad do a combination of lecturing and research, 33% lecture only, 24% to conduct research, and 8% give a short seminar. The number of grants has been steady at 820-830 per year. The top receiving countries for US faculty have been Germany, China, Japan, India and Ireland. The Fulbright Specialist Program offers short-term grants 2-6 weeks), and the top countries for these grants are

(Continued on page 2)

5th Annual Conference: "Sustainability" and in San Francisco in 2010

California is 12% of the Fulbright exchange program (hosting and sending), and San Francisco and Silicon Valley are a hub for venture capital, high technology and innovative ideas. So, it is an ideal setting for FAST's next conference, on March 11-14, 2010.

Our Theme is **Sustainability: Fulbright Scholars-Shaping Tomorrow's Future Today.**

Being our 5th Annual Conference, it will include a gala celebration on Thursday evening, with speakers, panels, seminars and science tours on the subsequent days. A large and active group of Fulbrighters is helping FAST with the program.

Sessions will cover topics such as **shelter & infrastructure, energy, law & policy, consumer products, food & agriculture, social sciences & human**

values, and high technology. Seminars on **entrepreneurism** and on **health** are also planned.

Please visit our website for details. Individual donors and corporate, governmental and institutional sponsors are still needed to assure broad representation of alumni at the gathering. **Contact FAST if you or others at your institution would like to speak or participate in the conference.**

FAST Forward

Upcoming Meetings / Opportunities to Meet with FAST

FAST Health Network

FAST has held two important meetings relating to human health. Indicators of health are included in the Millennium Development Goals (topic of our 2007 conference in Panama), and in March 2008 we held a workshop in Qatar on nursing, education and the environment.

FAST is now working with alumni in the medical community (physicians, nurses, public health experts and others) to create a standing committee on health. Leading health professionals will be attending the California conference, and FAST is also working with several institutions on a follow-up meeting as well as internet-based conferences to facilitate the exchange of knowledge among Fulbrighters.

Most FAST programs are held with a local partner. To co-host a meeting / forum please call FAST.

Oct. 18-23 – Vancouver, BC
Lead an intro to international science research tour. Travel to Vancouver, BC, with 20-25 students and faculty from US universities.

November 6-9 – Ames, IA
Participate and exhibit at the 12th Annual Colloquium on International Engineering Ed.

March 11-14, 2010 – San Francisco, California
Sustainability: Fulbright Scholars-Shaping Tomorrow's Future Today.

Annual Conference and gala Five Year Celebration.

Programs in development:
2009/10 – Tunisia
Seminar on digital archives & on-line museums, focusing on the Mediterranean region

2009/10 site to be announced
Conference on intellectual property protection and counterfeiting.

FAST is seeking partners for additional programs in the USA or in other countries.
See page 5 for details.

Some FAST programs focus on alumni development, others on sharing knowledge of alumni with the broader community.

At least one-third of the 300,000 alumni are science-based disciplines or work in science and technology fields; therefore, there is much opportunity for collaboration.

The Fulbright network will be particularly important in the coming year (1) as businesses, universities and other organizations adapt to the shift in the global economy and (2) as countries seek to build collaborative political and business relationships with other countries.

The Evolving Alumni Base

(Continued from page 1)

Russia, South Africa, Chile, Israel and Peru. As noted on page one, the US Student grantees are primarily female (62%). US Faculty and professionals, on the other hand, are primarily male (59%).

Visiting Fulbright Scholars are almost all in the USA to conduct research at US labs: 88.5% of the grantees. The number ranged from 732 to 822 per year during the five year period. The top four

countries sending Fulbrighters to the USA were China, Spain, Russia and Argentina. The top fields are Biological Sciences, Education, Engineering, Medical Sciences, followed by two social sciences - Economics and Political Science. The gender breakdown is identical to that of the US Scholars going abroad: 59% male, 41% female.

STEM Fields The number of grantees in science, technology, engineering & math (STEM) was

compared over a ten year period for US Faculty and Professionals. In 2008 it was 27% of grants, up from 20% in 1998. Biological sciences rose from 19 grants in 1998 to 43 in 2008. Engineering went up from 19 to 32 grants. Fields such as Anthropology, Chemistry, Computer Science or IT, Environmental Sciences, Geology, Medical Sciences or Public Health, and Physics and Astronomy also had gains.

Fulbright Academy Financial Update

All enterprises — private, public, non-profit and educational — confronted unprecedented financial stresses this year. The Fulbright Academy's endowment wasn't impacted (we don't have one), but the pocketbooks of our individual and institutional partners were hit. As a result, our income from memberships during the first two quarters was the lowest since 2006—the time of our first conference in Berlin.

FAST has (temporarily) lost some members, but we are optimistic. Other individuals, universities and corporations are excited about developing research programs with FAST or obtaining advice from our global network of Fulbright experts.

The recession led us to knock on new doors, leading to new partnerships and mutually beneficial exchanges. Cash is only one part

of the Academy's financial picture. Many FAST partners provide in-kind services. Because of our non-profit status, we still receive many services for free or at much reduced costs, such as web hosting, web advertising, software, graphic design and office supplies.

In sum, the future of FAST looks excellent. Despite the temporary setbacks, we are on track for growth in the years to come.



“Science has radically changed the conditions of human life on earth. It has expanded our knowledge and our power, but not our capacity to use them with wisdom.”

Senator J. William Fulbright

Old Myths and New Realities (1964)

Dear Friend of the Fulbright Academy:

FAST is a global organization actively working with individuals and institutions worldwide through our conferences, forums and workshops and our advisory consulting service.

Senator Fulbright had an amazing vision built on the value of personal relationships and cultural sensitivity, one where face-to-face exchanges would lead to mutual respect and understanding.

Some 300,000 individuals have participated in his vision. Fulbrighters have traveled and developed working relationships, friendships – even marriages – by virtue of being selected to participate in a thoughtful, educational exchange program. Some 7,000 grants are given each year (see cover story) in all disciplines. About half go to people in science and technology-related fields

FAST's goal is to continuously strengthen relationships among the individual alumni and the variety of institutions that educate, employ and do business with them. It's also more than just a social gathering, it's a gathering of educators, researchers and leaders.

These are individuals who are stimulating thoughts, exchanging ideas, and actively working to improve their business, their institution, their world.

Having received the gift of a Fulbright, they are giving something back to society and to our professional community. Their donations of time and other resources to FAST and other institutions in the United States and around the world is testament to the value of the Fulbright Exchange Program.

For our organization, strong support from individuals and institutions in the form of donations, grants and memberships is a critical factor in our ability to run high-quality programs .

Please stay involved. If you haven't joined yet as a member, the membership form is on page 4, or you can contribute online as well. We are also available to be your partner, client and/or advisor., so please keep in touch.

With warm regards,

Mr. Eric Howard
FAST Executive Director &
1989 Fulbrighter to Germany

Fulbright
Academy of
Science & Technology

Expanding knowledge
and international
understanding
worldwide.

Serving the
Global Fulbright
Alumni Community.

For FAST, Science and Technology means:

- | | | |
|-------------------------|------------------------|-----------------------|
| Agriculture | Engineering | Medical Sciences |
| Anthropology | Environmental Sciences | Nursing |
| Archaeology | Geography | Physics and Astronomy |
| Biological Sciences | Geology | Psychology |
| Business administration | Information Sciences | Public Health |
| Chemistry | Law | Sociology |
| Computer Science | Library Science | Urban Planning |
| Criminology | Linguistics | And many other fields |
| Economics & Finance | Mathematics | and disciplines |



The Hilton in San Francisco's Financial District:
Site for our 2010 Conference



New/Renewing Institutional Members & Grants/Contracts to FAST

INSTITUTIONAL MEMBERS

Most of our institutional members **employ** Fulbright scholars/alumni, **host** visiting students & scholars, or **educate** future Fulbright scholars. They seek our advice; they seek partnering opportunities; and they wish to promote their work and FAST's work.

Corporate membership is \$1,000, and it is \$500 for institutions of higher education. FAST welcomes all types of institutions as members: corporations, government agencies, universities, independent research centers and foundations.

NEW/RENEWING MEMBERS

- Barbados Community College
- Booz Allen Hamilton
- Commission on Graduates of Foreign Nursing Schools
- Singapore Management University, Singapore
- Universidad Autónoma de Yucatán, Mexico
- University of Denver
- University of Michigan, School of Nursing
- University of Nebraska-Lincoln
- University of Pittsburgh
- US Civilian Research & Development Foundation

ONGOING WORK

- US National Science Foundation grant to the University of Texas System (FAST is subcontractor). Five-year project: \$180,000+.
- US-Egypt Science & Technology Fund award for digital libraries in Egypt. One-year project: \$60,000.

RECENT SUBMISSIONS

- Request to NSF to support our work with minority students.
- Requests for funding for other FAST meetings (see page 2).
- Requests to institutions of higher education, corporations, foundations, agencies and individuals to sponsor our Fifth Annual Conference.

Hosting Short Programs During the Upcoming Academic Year

Now is the time to contact FAST about hosting a short FAST program at your institution: a tour, a reception, a luncheon, a symposium, etc. Call Eric at 1-207-799-3098 to discuss options and ideas.

The following institutions worked with FAST on local programs during the 2008/09 academic year.

- Boston College
- Boston's Museum of Science
- Brigham & Women's Hospital
- Field Museum
- FON University
- Hessen Universities Consortium
- National University of Singapore
- Saints Cyril & Methodius University
- Singapore Management University
- South East European University
- University of Denver
- University of Illinois at Chicago
- University of Southern Maine
- Wilmington College

Thanks to our 2009 Conference Sponsors

FAST thanks the many for-profit, academic and governmental institutions that contributed funds, advice and services to FAST so that our Fourth Annual conference in March 2009 could be a success.

Macedonia was a perfect location to explore the role that smaller countries play in science and technology innova-

tion. Fulbright scholars, alumni and guests from a dozen countries participated in the discussions.

The economic downturn and other factors made it our smallest annual conference yet, but seeds for further collaboration were planted. Copies of selected papers and presentations are available on the FAST website.



Collaborating with Industry

If anything can be certain about the future, it is that the influence of science and technology will continue to grow and have a deep influence on the development of business, government and communities worldwide.

The Fulbright Academy helps its sponsors stay ahead of the curve by involving them in its programs. Some FAST activities are open enrollment; others are invitation only, and some of our work is a one-on-one advisory service.

During the past few years, FAST and its staff and advisors have provided customized programs to our non-profit and government clients/partners on topics such as science literacy, science diplomacy, conference management, and the development of funding proposals.

Our collaborative efforts with industry are young, but growing. Please call us at 1-207-799-3098 and describe about your challenges. Through our experience and our networks, FAST may be able to help you determine what works, what doesn't and what to expect next.

FAST Forward

Fulbright News (from various internet sources)



Nuku'alofa: Tongan national, Siale Bain-Vete, has been chosen as the Pacific island nation's first Fulbright scholar in more than a decade. "I am both thrilled and thankful for the opportunity to be a Pacific Fulbright scholar," he said in a press statement issued by the United States Embassy. (photo of Siale, with the US Ambassador on the right)

Siale has worked for the International Fund for Agricultural Development (IFAD) for the past three years, where his experience, put him "in touch with remote and marginalized communities in the Pacific. It is why I now have a special interest in pro-poor development policy, building local participatory processes, and facilitating advocacy by these communities."

The 27-year-old Tongan will undertake a Masters in Public Administration at the Maxwell School of Citizenship and Public Affairs at Syracuse University in upstate New York.

(Syracuse University is a FAST institutional member)

NOTE:

The material for the stories are this page was downloaded from various web pages on June 30, 2009.

The original sources are available upon request: info@FulbrightAcademy.org

New Delhi: The first batch of 75 Indian scholars has begun their Fulbright-Nehru fellowships under the revised bilateral exchange agreement between India and USA which was signed last year. For the first time, both governments will contribute equal funds to fellowship program - about \$2.3 million per year.

Mr. Adam Grotzky, executive director of the United States-India Educational Foundation which administers the exchanges, said that the fellowships were branching into new areas of studies. "Traditionally, they were mainly looking at social sciences and humanities. Now, they are looking at what we call New India Fields, which range from public health to corporate strategy." The total number of scholars travelling from India under various USIEF administered grants for the 2009-2010 academic year is 126.

The Deaf Community:

Gallaudet University established a website to promote Fulbrights for the deaf community. Faculty and students grantees who are deaf or hard-of-hearing have typically been in fields such as deaf education or social sciences, such as sociology or linguistics.

In the coming year, for example, Christie Ong, an advertising and public relations grad from Rochester Institute of Technology's National Technical Institute for the Deaf will be in Italy creating a support network for Italian parents who are new to raising deaf and hard-of-hearing children. While there, she also wants to help establish an Italian chapter of Hands & Voices.

Auckland: A June event was used to launch the first official Fulbright New Zealand Alumni Association, which aims to engage local alumni in networking opportunities and events in the spirit of the Fulbright program. Teacher Exchange alumnus Graham Cochran led a steering group to establish the group, noting that "the time has come for us as alumni to take over the responsibility for fostering the relationships and networks among us. This has been a movement by alumni for alumni and has considerable support from Fulbright New Zealand and the US Embassy."

There are some 2,500 New Zealand alumni, with 70 award recipients for 2009, of which, 22 are for students to study or research at an American university of their choice. Each year, a smaller number of US nationals are awarded Fulbrights to go to New Zealand.

Baghdad: On June 10th, the US Ambassador to Iraq Christopher Hill and Iraq's Deputy Prime Minister Dr. Barham Salih announced the doubling of the Fulbright Program between the USA and Iraq.

The Government of Iraq committed \$2.5 million to expand the Fulbright Student Scholar Program for Iraqis, allowing the number of scholarships for studies in the US to grow from 35 to 70 per year.

Lagos: More than 50 Nigerians are coming on Fulbrights to the USA this year, chosen mainly from 19 universities across Nigeria, including, University of Lagos; Lagos State University, Obafemi Awolowo University; University of Benin; University of Jos; Covenant University, among others.

The 50+ Nigerians are enrolled in several Fulbright grant programs: Fulbright Scholar-in-Residence, Junior Scholar Development, Foreign Language teaching assistant, Hubert Humphrey Fellowships, Study of the United States Institutes for Faculty and for Student leaders, among others. The US Embassy Public Affairs Officer said this \$2 million investment in human capital development should help contribute to economic development and strengthening the development of democratic values in Nigeria.

Seoul: US Fulbright Korea Alumni Association (USFKAA) was established in 2009 to promote active exchanges and meaningful projects among Fulbright alumni to and from Korea. The USFKAA will coordinate meetings, and various projects submitted by Fulbright alumni and will hold "quarterly social events for networking, updating, and generally having a good time with each other."



“Intro to International Science Research Tours”, organized by FAST

In collaboration with the Louis Stokes Alliance for Minority Participation (LSAMP) at the University of Texas-El Paso, FAST has been developing “Intro to International Science Research Tours.”

The first tour was to Singapore in October 2008. In conjunction with the A*STAR / FAST Conference: Futuropolis 2058, a group of 19 undergraduate and graduate students and accompanying faculty visited universities and other sites in Singapore to learn about current research and future collaboration opportunities.

The second research tour will be in October 2009 to Vancouver, British Columbia. A group of 25-30 participants from nine University of Texas campuses are expected, including, students and faculty, current and future Fulbright grantees, Fulbright alumni, and prior hosts of Fulbrighters.

The research tours are designed for a multidisciplinary audience. The 2009 group will be visiting research facilities at two leading Canadian universities: University of British Columbia and Simon

Frazier University. Vancouver is also home to important private and public sector research labs, and they will be included in the agenda along with attendance at the *Resilient Cities: Urban Strategies for Transition Times Conference*.

One key goal of this initiative is to give US minority students the opportunity to travel abroad and get a better understanding of their potential future role in a global scientific community. The tours are partially funded by the US National Science Foundation.



FAST Helps Coordinate Repair of Morocco Telescope

Two years ago, FAST collaborated with Morocco's Ministry of Higher Education & Scientific Research, UNESCO and US NSF to organize a workshop on digital libraries for education, science and culture. Participants came from the Library of Congress, the US Institute for Museum & Library Services, the US Department of State, US universities, and similar entities from three countries in Europe and four countries in North Africa.

As often happens, our Rabat meeting led to opportunities not directly related to the subject area. We learned that one of the larger optical telescopes in Morocco hosts thousands of visitors each year, but it had a mechanical problem. With funding from the US Department of State, FAST was able to work with NASA, Grove of Hope and Ribat Al-Fath Association for Sustainable Development to get it repaired.

Moroccan astronomy has a great future. A new radio telescope now planned for Morocco will map the sky ten times faster than any telescope on Earth. Carnegie Mellon (USA) and Al Akhawayn Universities are leading the effort. Why Morocco? The Atlas Mountains are a natural shield, isolating the interior desert from the radio noise of the cities.



Observatoire Astronomique de Rabat

The tracking mechanism for the 900 kg, Newton-type telescope with a 510 mm mirror was replaced with help from FAST.

<http://obsrabat.edunet.ma>

Photos from our 4th Annual Conference, March 2009, Macedonia



**See you in San Francisco !
Fifth Annual Conference
March 11-14, 2010**



Linking Fulbright Scholars and Leaders Around the World

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Please visit our website www.FulbrightAcademy.org for information on membership and how to participate in FAST's global programs.

The Fulbright Academy of Science & Technology™ works to strengthen the network of Fulbright scholars globally. FAST expands knowledge and international understanding by linking leaders in science, business, government and academia. Last year, it organized or participated in two dozen conferences, meeting and programs in Asia, Europe, the Middle East and the Americas. Its individual and institutional membership spans the globe.

The Fulbright Academy is an independent 501(c)3 charitable organization, and is not affiliated with the Fulbright Exchange Program, the U.S. Department of State or the US Fulbright Association. Donations and memberships are tax deductible, as provided by US law.

Sustainability concerns and sustainability initiatives are driving change in many fields. Fulbright scholars around the world are working on better solutions to climate change, poverty, food production, renewable energy, public health, nature conservation and shelter.

Fulbright scholars in business, government, NGOs and higher education - individually or collaboratively – are helping society prepare for and secure a better future. The application of science and technology are key components of their efforts.

At the conference, experts in business, natural and social sciences, engineering, technology, medicine, law and public policy will explore the work of our global leaders and forge new collaborations among international actors.

Topics Include:

- Shelter & Infrastructure
- Sustainability & the Law
- Consumer Products, Materials & Design
- Energy
- Food, Agriculture & Land
- Information & Communications Technology
- Sustainability & Education
- Social Sciences & Human Values
- Entrepreneurs, Business & Sustainability

We are planning for 250+ participants at FAST's unique 2010 multidisciplinary annual conference.



Look inside for information about other FAST programs!

Sustainability

Fulbright scholars – Shaping Tomorrow's Future Today

The Fifth Annual FAST Conference San Francisco, CA – March 11-14, 2010





FAST Membership, Sponsorship & Support

Individual Membership

- Contributing member \$ 60 / year or \$110 for two years
- Sustaining member \$ 100 / year
- Fulbright Academy - Patron \$ 250 / year
- Fulbright Academy - Life member \$ 500 (one payment or split over two years)
- Director's Circle \$1,000/ year or more
- Reduce rate (student, retired, etc.) \$ 25 / year or \$ 45 for two years
- Other amount \$ _____

Institutional Membership

- Government agency or corporation \$1,000 / year
- Institution of higher education (college/university) \$ 500 / year
- NGO / Non-profit organization (budget exceeds \$500,000) \$ 500 / year
- NGO / Non-profit organization (budget under \$500,000) \$ 250 / year

Donors and Sponsors (please call us for details: 1-866-F-BRIGHT)

- Fulbright Forum Sponsor \$2,500
- Director's Circle (for key supporters) \$1,000 - \$10,000
- Conference/Program Sponsor \$1,000 - \$10,000 +
- FAST Supporter in-kind donation

Payment:

- Please bill me – send the invoice to my address, above.
- Check: Amount enclosed: US\$ _____ Payable to "Fulbright Academy"
- Credit Card or electronic check via the internet: visit www.FulbrightAcademy.org
- Credit Card (MasterCard or Visa): Amount: US\$ _____

_____ Exp. ____/____

Name on the card: _____ Corporate credit card // Personal card

Name:
 Title:
 Firm/Institution:
 Mailing Address:
 City, State, Zip:
 Country: Email:
 Phone: Fax:

Or attach your business card here.

What is your relationship with the Fulbright Exchange Program?
 What is your science & technology interest?
 How can you contribute your knowledge and experience to the FAST network?

NOTE: As an international membership organization, FAST tries to accommodate financial realities through a varied fee structure. Individuals and institutions in middle/low income countries should visit our website for the discounted rates.

FAST programs are funded by your membership fees and by grants, contracts and donations. FAST does not provide scholarships or unrestricted financial support to individuals, institutions, agencies or the Fulbright program. FAST is an independent entity and is not affiliated with the J. William Fulbright Foreign Scholarship Board, the Fulbright Exchange Program or national alumni groups. By joining the Fulbright Academy, you are giving us permission to share your name and your professional interests with other members.

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