
BEFORE WE GET STARTED ...

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FULBRIGHT



Fulbright Opportunities in STEM Fields

(Science, Technology, Engineering & Mathematics)



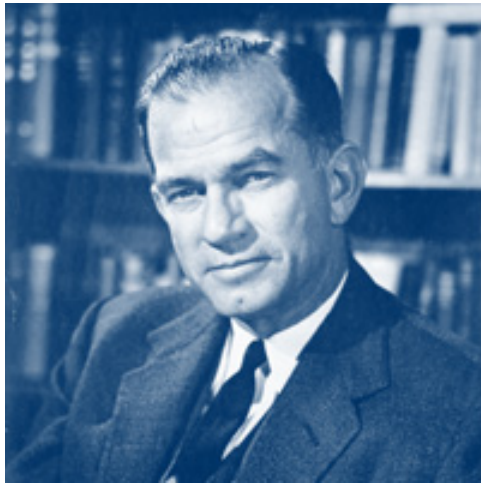
Today's Host:
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TODAY'S WEBINAR: WHAT TO EXPECT

- **A brief overview of the Fulbright Scholar Program**
- **Variety of programs and awards worldwide**
- **An opportunity to ask questions! Type any question into the question module on your screen. We will do our best to answer as many questions as possible at the end of the presentation.**
- **If there's time, a guided tour of the new CIES Website, www.iie.org/cies**

Senator J. William Fulbright (1905-1995)



“International education exchange is the most significant current project designed to continue the process of humanizing mankind to the point, we would hope, that nations can learn to live in peace.”

Fulbright Scholar Program

- **Established in 1946**
- **Sends U.S. academics and professionals overseas and brings scholars and professionals from abroad to the U.S.**
- **Sponsored by U.S. Department of State’s Bureau of Educational and Cultural Affairs**
- **Administered by the Institute of International Education’s Council for International Exchange of Scholars (CIES)**

What is the Core Fulbright Program?

- **The original core of the Fulbright program**
- **Over 800 awards each year for U.S. applicants**
- **Grants for teaching, conducting research, or both**
- **Lengths vary from 2 to 12 months**
- **Seminars 2 to 3 weeks**

Eligibility Requirements

- **U.S. citizenship**
- **A Ph.D. or equivalent professional/terminal degree in your field**
- **For professionals and artists outside academia, recognized professional standing and substantial accomplishments**
- **Teaching experience as required by award**
- **Limits apply to prior Fulbright Scholar grantees**

Fulbright Scholar Program STEM Fields

- **STEM Fields defined:**

**Sciences: astronomy, biology,
chemistry, geology, physics**

**Technology: agronomy, computer
science, information technology,
environmental sciences, food
technology**

**Engineering: chemical, civil,
electrical, industrial, mechanical**

Mathematics

Some General Points

- **Variety of types of programs**
 - **Most programs have the “All Discipline” award option**
 - **Most offer research awards or lecturing/research awards, in addition to lecturing**
 - **Many programs offer awards in specific fields and specializations**
- **Post-doctoral awards and awards open to early career scholars seek persons with recent Ph.D.s**
 - **Awards in: Egypt, India, Israel, Kazakhstan, Kyrgyz Republic, Philippines, Uganda, Uzbekistan**

General Points: Continued

- **Distinguished Chair awards in: Finland, Sweden, United Kingdom, Israel, Canada**
- **STEM fields are more likely taught in English than are other fields**
- **Research projects may require knowledge of local language(s)**
- **Competition varies across programs**

General Points: Continued

- **Pay close attention to guidelines for project proposals--you must address questions that are broader than your research topic alone**
- **You must also explain the need to be in a country for a research project; if specialized labs or equipment are needed, you must describe how you will have access to them**

http://www.cies.org/us_scholars/us_awards/Content_Guidelines.htm

General Points: Continued

- **Excellent in-country support by Fulbright Commissions or U.S. Embassies**
- **Educational allowance for children available**
- **Free housing provided in some programs, or a housing allowance**
- **Modest research allowances provided for most awards**

STEM field awards by region: 2009/2010 grantees

- **Sub-Saharan Africa: 34 of 71 total grantees (48%)**
- **Western Hemisphere: 43 of 123 (35%)**
- **Middle East and North Africa: 17 of 58 (29%)**
- **South and Central Asia: 19 of 68 (28%)**
- **Europe: 64 of 340 (19%)**
- **East Asia/Australasia: 21 of 131 (16%)**

Some Previous Projects

- **Slovenia-Lecturing: Sharing Concepts in Insect Ecology: From Maine to Maribor**
- **France-Research: Calcium in the Python Diet: Examination of a New Intestinal Cell Type**
- **New Zealand-Research: The Mechanics of Caldera Formation in the Taupo Volcanic Zone**
- **Argentina-Lecturing and Research: Sampling, Reconstruction, Signal Models and Sparsity**
- **India-Lecturing: Practical Aspects in X-ray Crystallography**

Some Previous Projects: Continued

- **Turkey-Lecturing: Processing of Advanced Materials**
- **Chile-Lecturing and Research: 3D Analysis of Wood Light-Frame Residential Buildings for Seismic Performance**
- **Jordan-Lecturing: Embedded System Design**
- **Uganda-Lecturing and Research: Evaluation of Pest Management Strategies**
- **Thailand-Lecturing and Research: Soil and Water Conservation Engineering**

Sample Awards in STEM fields

- **Science and Innovation: Russia: Teaching or Teaching/Research**
- **Specialization(s): applications are encouraged from all scientific and technical fields; key interests of Russian institutions include energy and energy conservation, climate change, nanotechnology**
- **Language: English is sufficient for teaching**
- **Location(s): One may propose collaboration with existing Russian colleagues, or may request recommended placement by the Moscow Fulbright Office . Grantees are expected to reside in the region of the award.**
- **Length of Grant: 3 months to 9 months**

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- **Environmental Leadership: India: Research**
 - **Conduct research in any environmental studies fields and network with Indian counterpart organizations in the environmental or conservation field.**
 - **Specialization(s): Environmental sciences**
 - **Category: Open to all faculty levels, including early career**
 - **Additional Qualifications: MA, MS or higher degree; at least 5 years of professional experience; high level of academic or professional achievement**
 - **Language: English is sufficient for lecturing**
 - **Location(s): Affiliation to be determined**
 - **Length of Grant: 4 months**
 - **Other: Applicants may be from the public, private or non-profit sectors**

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- **Engineering/Telecommunications: Ireland: Research**
 - **Grant Activity: Collaborate with approximately 20 researchers and Ph.D. students; collaborate on setting up experiments with Ph.D. students and optimizing and analyzing the results. Present research findings at international conferences and publish same in relevant journals.**
 - **Category: Open to all faculty levels, including early career**
 - **Location: School of Electronic Engineering, Dublin City University**
 - **Other: Letter of invitation recommended. Contact Professor**

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- **All Disciplines: Egypt: Postdoctoral Research**
 - **Grant Activity: Conduct research in any discipline**
 - **Category: Open to all faculty levels, including early career**
 - **Additional Qualifications: Designed for early career scholars. Open to scholars who have received their Ph.D. within the last 5 years**
 - **Language: Arabic language proficiency is an asset though not required.**
 - **Location(s): To be determined**
 - **Length: 3 to 9 months**

Research Opportunities

- **Award projects are self-designed**
- **Applicants should confirm affiliation abroad, if possible**
- **Letter of interest or support from prospective host institution is recommended**
- **Record of research publication necessary**
- **Proficiency in local language may be necessary**
- **Research topics may require host government approval**

Distinguished Chair Awards - The Disciplines

- **Finland: Fulbright-Nokia Distinguished Chair in Information and Communications Technologies**
- **Sweden: Fulbright Distinguished Chair in Alternative Energy Technology**
- **Israel: Fulbright-Israel Distinguished Chair in the Natural Sciences and Engineering**
- **Italy: Distinguished Chair at the Parthenope University of Naples**
- **Italy: Distinguished Chair at the Polytechnic of Turin**

Q&A

Note: We will answer as many questions as we can during today's broadcast. If we do not get to your question, please send me an email at ggarrison@iie.org or visit our staff listing at www.iie.org/cies and contact a program officer directly.

Thank you for your time today

- **Fulbright Scholar Webinars are held weekly at 2 PM Eastern (through July 2010), and include World Region Workshops and Application Workshops.**
- **Visit www.iie.org/cies/webinar for the remaining Webinar schedule and Campus Workshop schedules.**

For More Information . . .

- Explore the Traditional U.S. Fulbright Scholar Program via www.cies2.org
- Be sure to sign up for our e-newsletter [The Fulbright Scholar News](#) by writing outreach@iie.org.

Other Fulbright Programs

- **Fulbright U.S. Student Program**
for recent graduates, postgraduate candidates up through dissertation level and developing professionals and artists to study and research abroad managed by Institute of International Education, IIE
www.fulbrightonline.org/us
- **Fulbright Teacher Exchange**
principally for primary- and secondary- level educators managed by Academy for Educational Development
<http://www.fulbrightteacherexchange.org/>
- **Fulbright-Hays Award**
for faculty research, group projects and seminars abroad in certain social sciences and humanities fields managed by the International Education and Graduate Programs Service of the U.S. Department of Education
www.ed.gov/about/offices/list/oie/iegps