

Society of Hispanic Professional Engineers  
May 2011



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# SHPE Foundation

## GRADUATE INSTITUTE

**SHPE Foundation**  
1444 Duke Street  
Alexandria, VA 22314  
[www.shpefoundation.org](http://www.shpefoundation.org)

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**Society of Hispanic Professional Engineers Foundation**

**SHPE Foundation, Inc**

2011 Graduate Institute

**DESCRIPTION**

The Graduate Institute is a two-day program hosting a series of graduate-level seminars addressing issues that directly impact the academic, professional and future faculty development of Latino/a U.S. and international graduate students. Past seminars have focused on writing an effective curriculum vitae, the academic job search, entrepreneurialism, financial investment, opportunities for non-academic research, negotiating the thesis/dissertation writing process, nurturing the advisor/mentor relationship, post-doctoral opportunities, and graduate funding. The added intent of the Institute is to generate a support network for Latino/graduate students.

Latino/a masters and doctoral students are invited to attend the Graduate Institute, which will be held from October 27-29, 2011 in Anaheim, CA, during the SHPE 2011 Conference. While attendance is non-selective, all attendees must submit the Graduate Institute Application Form, excluding the CV and essay, which are necessary only for those requesting travel support.

Several SHPE Foundation Travel Grants will be awarded on a competitive basis to attend the Graduate Institute. Latino/graduate students, who are interested in applying for a grant must submit the complete Graduate Institute Application (form, CV/resume, and essay). Students who apply for the travel grant, but do not receive the travel grant, may still attend the program.

Notifications will be announced by Friday, September 23, 2011.

**PROGRAM HIGHLIGHTS**

The Graduate Institute will be held from Thursday, October 27, 2011 through Saturday, October 29, 2011, at the SHPE Conference in Anaheim, CA. Program highlights include:

***Thursday Morning: Honorary Lecture***

Topic: Hispanics and Latinos: The Engineers and Scientists of the Future

Presented by Rafael L. Bras, Ph.D.

**Rafael L. Bras** is the provost and executive vice president for Academic Affairs at the Georgia Institute of Technology. He is a professor in the School of Civil and Environmental Engineering and School of Earth and Atmospheric Sciences. He holds the K. Harrison Brown Family Chair.

Prior to becoming provost, Dr. Bras was Distinguished Professor and Dean of the Henry Samueli School of Engineering of the University of California, Irvine. For 32 years prior to joining UCI he was a professor in the departments of Civil and Environmental Engineering and Earth, Atmospheric and Planetary Sciences at MIT. He is past Chair of the MIT Faculty, former head of the Civil and Environmental Engineering department and Director of the Ralph M. Parsons Laboratory at MIT. He has served as advisor to many government and private institutions. Some of the most significant and recent ones include: Advisory Board, Engineering Directorate, NSF; Board of Atmospheric Sciences and Climate, National Research Council; Chairman, Earth Systems Sciences and Applications Committee of NASA and the NASA Advisory Committee; National Academy of Sciences Committee on New Orleans Regional Hurricane Protection Projects; Advisory to departments at Cornell university, Princeton university, Johns Hopkins, Technion, RPI, University of Puerto Rico; University of California-Irvine; Fundación Chile; Istituto Veneto; Stockholm Water Foundation and Prize; Clarke prize. He is also a director of the American Geophysical Union (AGU).

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***Thursday Midday:*** SHPE Foundation Graduate Luncheon  
Presentation by Monte Perez, Ph.D., President of Los Angeles Mission College

This invited luncheon will be an opportunity for graduate students to meet and interact with undergraduate students, who are participating in the GRE/GRAD Lab Program.

***Friday Morning:*** SHPE 2011 Educator of the Year Lecture

***Friday Evening:*** *Graduate Hospitality Suite*

This event will bring together graduate students, undergraduate students, faculty, graduate program representatives and invited corporate recruiters to network, nurture mentoring relationships, and develop partnerships and collaborations for research and career development.

***Saturday Midday:*** Faculty and Graduate Student Networking Reception

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**SHPE FOUNDATION TRAVEL GRANTS**

SHPE Foundation Travel Grants will be awarded on a competitive basis to qualified graduate students, who demonstrate a strong academic, research, teaching, and service record.

The grant will include a four-night SHPE Conference early registration package and a travel stipend or voucher of up to \$300. Students who receive the SHPE Foundation Travel Grant will be housed four to a room beginning Wednesday evening.

**ELIGIBILITY**

- SHPE member in good standing (*Non-members may complete their SHPE membership application online and pay the annual \$5 membership fee*).
- Must be pursuing an advanced technical master's or doctoral degree in science, technology, engineering or math at an accredited 4-year university in the U.S. or Puerto Rico.
- Must be enrolled as a full-time graduate student (9 hrs/credits) at the time of application and during the fall 2011 (Doctoral candidates may be enrolled at least half-time)
- Must be willing to participate as part of the GRE/GRAD LAB Program panel discussions for Latino/a undergraduate students

**APPLICATION PROCESS**

Students interested in applying for an SHPE Foundation Travel Grant must submit the following items:

- SHPE Foundation Travel Grant Application
- 500-word essay addressing the applicant's academic and professional development goals **as a Latino/a graduate student**
- Curriculum Vita or Resume
- SHPE membership application and membership fee (if not already a member)

**DEADLINE**

The complete application package must be **RECEIVED BY 11:59 pm EST, Friday, September 9, 2011**. Notifications will be announced by Friday, September 23, 2011.

**CONTACT INFORMATION**

For more information, please visit the SHPE Foundation Web site at [www.shpefoundation.org](http://www.shpefoundation.org) or contact Diana Gomez, by phone at (916) 224-9301 or via email at [diana.gomez@shpe.org](mailto:diana.gomez@shpe.org).

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**Graduate Institute Application Form**

Salutation:  Mr.  Mrs.  Ms.  Miss

Gender:  Male  Female

Last Name:

First Name:

Mailing Address:

City/State/Zip

Phone Number:

Fax Number:

Primary Email Address:

College/University Attending:

Field of Study:

Degree In Progress:  MS  MEng  MA  PhD  EngD  MD/PHD  PharmD  JD  EdD  Other:

Name of Your Advisor:

Current Year in School:

- First Semester Masters/Doctoral Student
- Second Semester Masters/Doctoral Student
- Third Semester Masters/Doctoral Student
- Fourth Semester Masters/Doctoral Student
- Third Year
- Fourth Year
- Fifth Year
- Sixth Year or More

Current Stage of Progress:

- Taking Courses
- Presenting Thesis this Academic Year
- Taking Preliminary Exams this Academic Year
- Passed Preliminary Exams
- Taking Oral and/or Written Exams this Academic Year
- Advanced to Doctoral Candidacy (i.e. Passed All Required Examinations)
- Defending Dissertation this Academic Year

Career Goals: (Select all that apply)

- Tenure-Track –Teaching Faculty at a College/University
- Tenure-Track - Research Faculty at a University
- Teaching – K-12
- Research Position at a College/University
- Research Position in government laboratory
- Research Position in Industry
- Administrative Position in College/University
- Administrative Position in College/University
- Administrative Position in Government
- Management Position in Industry
- Executive Position in Industry
- Policy Analyst - Government
- Entrepreneurial
- Other:

Race/Ethnicity::  Central American  Cuban American  Mexican American  Puerto Rican  
 South American  Asian/Pacific Islander  African American/Black  Native American  
 White/Anglo  Other: \_\_\_\_\_

Citizenship::  U.S. Citizen/Legal Resident  International Student  Other

Vegetarian:  Yes  No Special Accessibility Needs: