

CIVIL AND ENVIRONMENTAL ENGINEERING GRADUATE NEWSLETTER
UC Berkeley

FALL SEMESTER 2009
October 13, 2009

This is an occasional publication by:

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**** SUMMARY ****

NOTICES:

Applying for Academic Positions - TODAY 4:30
Modeling the social welfare impacts of liberalization
in the North-East Asian Long-Distance Transport Market - 10/16
Strategies and Skills for Mentoring - 10/14
Peer Exchange & Feedback on Statements of Teaching Philosophy-10/21

OPPORTUNITIES:

ARUP interviews - 11/13
Jet Propulsion Laboratory Infosession - 10/14
E-Futures: Analytical Problem Solving - 10/18
Microsoft Mock Interviews - 10/22
Biomedical Computation at Stanford 2009 Abstract Extended - Due 10/16

FELLOWSHIPS:

Founder Region Fellowships for Women - attached
DOE Office of Science Graduate Fellowship - Due 11/30

NOTICES

Applying for Academic Positions

WHO: Assistant Professor Ting Xu
WHEN: Tuesday, Oct. 13, 4:30-5:30PM
WHERE: 3110 Etcheverry Hall

Professor Xu will lead a candid discussion on the faculty job search. She will provide a recent hire's perspective on the process of applying for an academic position and share her insight on

how to put together a strong application. All graduate students considering an academic career are encouraged to attend the seminar Tuesday afternoon. Refreshments will be served.

Modeling the social welfare impacts of liberalization
in the North-East Asian Long-Distance Transport Market
Friday, October 16, 2009
4 - 5 p.m. in 212 O'Brien

Nicole Adler
Hebrew University of Jerusalem, Israel
School of Business Administration, Department of Operations Research

This paper develops a methodology to analyze the impact of gradually opening the skies with an application to the North-East Asian aviation and high-speed rail transport market. A counter-factual reproduces a representative day and then the bi-lateral restrictions within the North East-Asian market are removed in order to evaluate the impact on consumer and producer welfare. Subsequently, an open-skies policy is evaluated in which air carriers are able to re-evaluate their hub configurations and the impact on social welfare is analyzed. Subsequently, the impact of a bottleneck in the form of slot restrictions in the greater Tokyo area are analyzed with respect to the overall transport equilibria. Finally, the introduction of the Maglev, an extremely high-speed rail alternative is introduced and the new transport equilibria is presented. It would appear that whilst some of the advantages of the liberalization are passed on to consumers in the form of higher frequencies, fares also increase such that the overall consumer surplus increases only slightly. On the other hand, producer surplus does increase alongside the increases in deregulation, permitting a larger number of carriers to survive. The increase in producer surplus is not evenly spread and deregulation provides greater possibilities for exploitation to those carriers currently suffering from higher costs, namely those based in Korea and Japan. The introduction of low cost carriers in the market is advantageous to consumers and the low cost carriers alike, to the detriment of the legacy carriers. Finally, the slot restrictions transfer consumer surplus to the advantage of the producers.

Please join us for a TRANSOC-sponsored cookie hour in the ITS library at 3:30 p.m.

Strategies and Skills for Mentoring: A Workshop for Graduate Students
Wednesday, October 14, 2009, noon to 1:30 p.m., 370 Dwinelle Hall

The purpose of this workshop is to assist graduate students in establishing and working within

the context of mentoring relationships with faculty. It will also provide graduate students with strategies and skills they will need in mentoring undergraduates here at Berkeley and preparing for the mentoring they will do in future academic careers. With Linda von Hoene (Director, GSI Teaching & Resource Center) and Sabrina Soracco (Director, Academic Services).

Open to UCB graduate students in all disciplines. Preregistration is required. To preregister for this working group, please go to <https://berkeley.wufoo.com/forms/fall-2009-mentoring-workshop/>

Wheelchair accessible. For disability-related accommodations, please call (510) 643-9392 in advance.

Sabrina Z. Soracco, Director of Academic Services
Graduate Division
321 Sproul Hall #5900
http://www.grad.berkeley.edu/acapro/academic_services.shtml

Peer Exchange and Feedback on Statements of Teaching Philosophy
Wednesday, October 21, 2009
12 - 1:30 pm
370 Dwinelle Hall

This workshop is designed for graduate students who are interested in improving their statements of teaching philosophy through feedback from peers. Workshop participants will exchange statements of teaching philosophy and provide and receive input. Participants must bring two copies of a draft of their statement of teaching philosophy to participate in the workshop.

Linda von Hoene
Director, GSI Teaching & Resource Center

Other workshops:
Thursday, November 5, 2009 - Syllabus and Course Design
Thursday, November 12, 2009 - Preparing Future Faculty:
Integrating Civic Engagement into Course Design

OPPORTUNITIES

ARUP INTERVIEWS- Friday, November 13
Career Center, 2111 Bancroft Way, Suite 344

Arup will be interviewing for Graduate positions. To be considered, please apply online at www.goarup.com by Thursday, October 29th.

Jet Propulsion Laboratory Infosession
Wednesday, October 14th @ 5:00 PM
3110 Etcheverry
Hosted by Tau Beta Pi

Help us unlock the secrets of the Universe! Join our technically diverse multi-disciplinary team of scientists & engineers involved in developing robotic spacecraft to explore our globe & universe.

Jet Propulsion Laboratory (JPL), is a division of the California Institute of Technology, and a leading research and development center of the National Aeronautics and Space Administration (NASA). We are seeking new graduates from all degree levels in a variety of disciplines including Engineering, Computer Science, Physics, and Mathematics. We are looking for bright, motivated, and energetic individuals to work on projects that will expand the frontiers of science. The possibilities are unimaginable and the rewards are immeasurable.

Apply today by forwarding of your CV/Resume to danielle.e.garcia@jpl.nasa.gov [<mailto:danielle.e.garcia@jpl.nasa.gov>](mailto:danielle.e.garcia@jpl.nasa.gov) and learn more about JPL by attending our Information Session which will be held on Wednesday, October 14th in Etcheverry Hall at 5:00pm.

E-Futures: Analytical Problem Solving
Sunday, October 18th @ 1:00 PM
3110 Etcheverry
Hosted by Tau Beta Pi

Do you know how to brainstorm? Come to our engineering seminar to learn the art of generating many different ideas and selecting the best choices from your list! All engineering majors are invited!

Please sign up on <http://tbp.berkeley.edu/events/3/> if you are interested in attending!

Microsoft Mock Interviews
Thursday, October 22th from 9:30 AM to 4:30 PM
Soda and Etcheverry Hall
Hosted by Tau Beta Pi

Interested in working in industry but unsure of your interview skills? Sign up today for a time slot in our Microsoft Mock Interviews! The interviews can either be technical or behavioral.

Please reserve your 45 minute time slot and your choice of interview on <http://tbp.berkeley.edu/events/44/> if you wish to attend!

Biomedical Computation at Stanford 2009 Abstract Submission Deadline Extended- New abstract submission deadline: Friday, October 16, 2009
bcats.stanford.edu

FELLOWSHIPS

DOE Office of Science Graduate Fellowship - Due Nov. 30

The Department of Energy (DOE) Office of Science (SC) has established the DOE Office of Science Graduate Fellowship (DOE SCGF) program to support outstanding students to pursue graduate training in basic research in areas of physics, biology, chemistry, mathematics, engineering, computational sciences, and environmental sciences relevant to the Office of Science and to encourage the development of the next generation scientific and technical talent in the U.S.

The Fellowship award provides partial tuition support, an annual stipend for living expenses, and a research stipend for full-time graduate study and thesis/dissertation research at a U.S. academic institution for three years.

The application deadline is November 30th.

If you wish to receive email updates to the application process prior to November 30th, please register for an Application Account by viewing:

<http://www.scied.science.doe.gov/SCGF/apply.html>

You can also view any modifications that have been made to the Funding Announcement at:

<http://www.scied.science.doe.gov/SCGF/announcements.html>



Founder Region Fellowship, Inc.
Founder Region
Sorbitimist International of the Americas



BARBARA L. LANIER
Fellowship President
P.O. Box 2018
El Cerrito, CA 94530
510-527-7303
blanier@yahoo.com

October 5, 2009

GLORIA BRAGG
District I Director/Secretary
7567 Driftwood Way
Pleasanton, CA 94566
(925) 462-8653
cbga@comcast.net

Office of the Dean
Department of Civil and
Environmental Engineering
750 Davis Hall #1714
University of California
Berkeley, CA 94720

Re: Grants for Women in Doctoral Programs

JUDI PARENT-SMITH
District II Director
4853 Ridgeview Drive
Antioch, CA 94531
(925) 754-6450
crazyjudi@yahoo.com

Founder Region Fellowship, Inc., Soroptimist International of the Americas, awards grants to women in the last year of their doctoral programs, attending universities within our region boundaries. The mission of the Fellowship program is to advance the status of women by supporting women who are in fields that have great social importance to the world or are under-represented by women. More specific information can be obtained by contacting the undersigned or on our web site at www.sifounderregion.org/fellowship.

LINDA BOZORGNIA
District III Director
9560 Windflower Pt.
Clearlake, CA 95422
(707) 994-3873
bozorenia6@aol.com

Fellowship applicants are required to complete the enclosed application and financial statement, and submit the specified documents. Applicants may also obtain interactive forms on the Founder Region web site. Fully completed applications must be postmarked not later than February 1, 2010.

JEANNIE GRIFFITTS
District IV Director/Treasurer
124 S. Cloverdale Blvd.
Cloverdale, CA 95425
(707) 894-8665
fintchids@vbbn.com

In 2009, seven grants totaling \$70,000.00 were awarded. This year, a total of \$70,000.00 in grant money will again be awarded at our Founder Region Annual Conference. The awards banquet will be held on Friday April 30, 2010 at the Ko'Olina Marriott on Oahu, Hawaii, with some of our recipients invited to attend in person, expenses paid.

TESS ALBIN-SMITH
District V Director
804 N. Harrison St.
Fort Bragg, CA 95437
(707) 961-1123
tess@ucdavis-alumni.com

It is with a great deal of pleasure that I await receipt of applications from women in your doctoral programs.

SANDRA SIMMS
District VI Director
94-415 Kealakaa Street
Mililani, HI 96789
(808) 625-1834
sardnas@hawaii.rr.com

Yours very truly,

Barbara L. Lanier
Founder Region Fellowship President

BLL/pht
Encl.

2010 SOROPTIMIST FOUNDER REGION FELLOWSHIP APPLICATION FORM

tip: press the tab key to advance from field to field

Name: Miss _____
Ms. _____
Mrs. _____
First Name Middle Name Last Name

Address: _____
Street Address or P.O. Box, including any C/O or Unit Number
City: _____ State: _____ Zip: _____

Phone Number: Home: _____ Cell: _____
tip: enter all phone numbers as a 10-digit number with no dashes: e.g., enter 808-438-9823 as 8084389823

Email Address: _____ Citizenship: _____

Field of Study: _____ Date of Advancement to Candidacy: _____

Title of Dissertation: _____

Name of Institution you are attending: _____

Period of Enrollment (total # months you will be enrolled during the next year): _____ Units Completed to date: _____

Units Remaining: _____ Anticipated Date of Completion: _____

This application MUST include the following:

- 1 - Fully Completed "Estimated Monthly Expenses and Income for Final Year" form.
- 2 - Certified transcripts of all graduate work completed and proof of university registration.
- 3 - Statement of your advancement in the doctoral program: orals, language requirements, dissertation.
- 4 - Autobiographic sketch: submit a maximum of five pages, double spaced, 12 point font. Include family background, extracurricular activities, hobbies, interests, etc.
- 5 - Description of dissertation: submit a minimum of three and maximum of five pages, double spaced, 12 point font. Include a comprehensive statement of purpose and how these studies may contribute to the welfare of humanity
- 6 - Two confidential letters of recommendation (which may be sent separately) from:

Doctoral Committee Chair Name: _____ Phone: _____

Faculty Member Name: _____ Phone: _____

Material other than letters of recommendation and transcripts must be sent in a single mailing to the Fellowship Foundation President at the address below. All material must be postmarked no later than February 1, 2010. Any material postmarked after that date will not be accepted. Failure to comply with these requirements will result in disqualification.

Fellowship Foundation President: Barbara L. Lanier P.O. Box 2018 El Cerrito, CA 94530
Tel: 510-527-7303 Fax: 510-528-4229 Email: bllanier@yahoo.com

I certify that the following information provided in this application is true and correct as of the date below:

Signature: _____ Date: _____

NOTE: Each semifinalist will be required to appear for a personal interview March 13, 2010 for Hawaii candidates, March 19 or 20, 2010 for California candidates. Finalists will be notified by March 25, 2010, and some will be invited to attend the Soroptimist Founder Region Conference in Ko'Olina, Hawaii on Friday April 30, 2010, to receive their awards and be recognized by the membership.

SOROPTIMIST FOUNDER REGION FELLOWSHIP APPLICATION

Estimated Average **MONTHLY** Expenses and Income for Final Year

(Use of this form is mandatory)



TIPS: ROUND FIGURES TO THE CLOSEST DOLLAR. PRESS TAB TO ADVANCE BETWEEN FIELDS
 SYMBOLS & PUNCTUATION ARE UNNECESSARY, THE FORM WILL INSERT THEM FOR YOU. (e.g., if you enter, 10251, it is formatted as \$10,251)

MONTHLY EXPENSES

EDUCATIONAL EXPENSES

Include tuition, mandatory fees, books, supplies, online services, health insurance if required, etc.

HOUSING

Include room, board, mortgage, utilities, phone, water, sewage, association fees, etc.

FOOD

Groceries, dining out, campus meal plan, beverages, etc.

PERSONAL EXPENSES

Laundry, clothes, personal care, entertainment, recreation, insurance, memberships, etc.

TRANSPORTATION

Car payments, gas/oil, public transportation, normal car maintenance, insurance, etc.

CHILD CARE / SPECIAL NEEDS

MISCELLANEOUS OTHER

Please explain on next page

Total Monthly Expenditures

Minus Total Monthly Income

Balance

Please list or explain:

I certify that the information provided on this statement is true and correct as of the date set forth opposite my signature.

Signature: _____ Date: _____

Name: _____