

Cornell SWEMAIL Academic Year 2008-2009
Week of February 8, 2009
Society of Women Engineers

Contents:

Research, Internship, Training, & Employment

1. NYSE seeking Technologists
 - 2 National Science Foundation Science & Technology Centers 2009 Summer Undergraduate Internship Programs
 3. Solar Power Applications Contest for Cornell National Society of Women Engineers
 4. NASA & Cornell summer 2009 Space Grant internships
 5. Johns Hopkins University Applied Physics Laboratory
 6. FY10 RCR/RCNE Elections - Call for Applicants - Regions D & E
 7. CU LSAMP-R
 8. Capital One Opportunities for All Years
-

Scholarship Opportunities

None at this time!

Misc.

9. Eclipsing Opinions Essay Contest
 10. Cornell IEEE Event
 11. The Girls Educational and Mentoring Services (GEMS) Event
 12. Engineering Ambassadors
 13. Contact Information
 14. Adding something to SWEmail!
-

For a complete calendar of Cornell SWE's Events, visit us at:
<http://swe.cornell.edu/calendar.html>

Research, Internship, Training, & Employment

1. NYSE seeking technologists

Hi, the NYSE is looking for bright technologists to join our 2009 technology development program. This is a terrific program that I'm sure your club members will find to be a great opportunity. I have attached the job description as well as a link to our website. Anyone interested is invited to email their resumes to dreese@nyx.com.

Thank you!

2. National Science Foundation Science & Technology Centers 2009 Summer Undergraduate Internship Programs

Dear Prospective Candidate,

We would like to invite you to apply to the NSF-STC Summer Undergraduate Internship Program. The National Science Foundation Science and Technology Centers (STCs) offer paid summer internships at our seventeen centers, located at prestigious universities around the United States. These summer internships provide undergraduates an opportunity to conduct research in a graduate school setting in the following fields: 1) biological sciences, 2) computer and information sciences, 3) engineering, 4) geosciences, and 5) mathematical and physical sciences.

These summer research opportunities are fully funded and are an excellent way to gain a competitive edge toward graduate school. The centers are currently accepting applications for the 2009 Summer Programs. Deadlines are rapidly approaching and I would like to encourage anyone interested to apply. For more information on participating Centers and their application process and deadlines please access our website at www.nsfstc.org.

If you have any questions, please feel free to contact me via email at wuehara@cens.ucla.edu. Thank you for your time, and I look forward to seeing your application.

Sincerely,

Wesley Uehara
Recruiting Manager
NSF-Science & Technology Centers

3. Solar Power Applications Contest for Cornell National Society of Women Engineers

I wanted to personally invite the Cornell Society of Women Engineers to participate in SopoApps. I was hoping you can help by participating and spreading the word. There are ten key categories including, process heating, industrial, agriculture, health care, water, thermal AC, commercial, hospitality, power and innovation, and the winner of each category will receive \$5000.00 each, for a total of \$50,000.00. You may participate individually or in groups. The Contest period ends March 4, 2009 and we will announce the winners at Renewable Energy World Conference and Expo North America in Las Vegas, NV March 10-12, 2009. Would it be possible to circulate this announcement to

SWE Members? It is only by having support from industry experts such as yourself can we hope to make CSP common place.

More information on Sopogy:

Wall Street Journal Story on Sopogy: <http://sopogy.com/blog/2008/06/30/wall-street-journal-alternative-state/>

Cnet Story on Sopogy: <http://sopogy.com/blog/2008/07/15/giant-solar-termal-are-mainframe-computers-sopogy-is-the-personal-computer/>

INSTRUCTIONS on how to participate:

To complete registration, you need to go to www.SopoApps.org and create an account by clicking on the LOGIN FORM BOX on the right. Once you've created an account, you may directly upload your project packages. The packages must contain an 1.

Introduction, 2. Drawing(s), and 3. Bill of Materials. You may submit as many packages as you want and to as many categories as you want. Information on Sopogy's MicroCSP technology can be accessed via www.SopoApps.org by clicking on "SopoNova 4.0 Collector" in the TOOLS BOX on the left-hand side of the homepage.

Complete project standard parameters:

1. INTRODUCTION: complete and submit a summary of your project in the form of a technical summary.
2. DRAWING(S): Upload at least one visual illustration of your design including flow diagrams (file type options: PDF, GIF, JPEG, PNG, EDRAW).
 - You may submit: Scanned sketches, charts, and 2D CAD drawing images, 3D CAD images including 3D PDF eDrawings files
3. BILL OF MATERIALS/SPECIFICATIONS: Include the specifications for all equipment used in your design.
 - Include all controls, pumps, valves and heat exchangers. Include points list and sequence of operations. Be sure to indicate SopoNova 4.0 collector count and a basic layout. Ensure there's ample rooftop or groundspace for the project.

4. NASA & Cornell summer 2009 Space Grant internships

<http://astro.cornell.edu/spacegrant/undergrad.html>

The following are 10-week summer internships in science and engineering areas relevant to NASA. For ALL of these opportunities, to qualify for New York Space Grant funding a student must be both a

- US citizen and
- NY State resident OR attend a college/university within NY State

SG_Cornell_poster2009.pdf

Opportunity: NY Space Grant Summer Undergraduate Research Program at Cornell

Other Eligibility Details: Rising sophomores through seniors

Compensation: \$5,500 stipend

Application Deadline: 02/16/2009

Erica Miles □ Associate Director and Program Coordinator □ □ NASA/NY Space Grant Consortium □ 517 Space Sciences Building □ Cornell University □ Ithaca, NY 14853-6801 □ □ Phone: 607/255-2710 □ Fax: 607/255-1767 □ Email: spacegrant@astro.cornell.edu

5. Johns Hopkins University Applied Physics Laboratory

SWE Chapter,

The Johns Hopkins University Applied Physics Laboratory is a nationally recognized, university-affiliated R&D center investigating some of the nation's most complex science and engineering problems. Scientists and engineers work at the leading edge of technology in over 200 programs, ranging from defense systems engineering to space science and biomedicine. We are actively recruiting for new graduates for entry level technical employment opportunities and internships

Click [here](#) to learn more about our organization.

We strongly encourage everyone with relevant background and professional interests to consider opportunities at APL. Due to the nature of our work, most positions at APL require U.S. citizenship.

Thank you,

Stacy D. Murphy

Employment Systems and College Recruiting □ Johns Hopkins University Applied Physics Laboratory □ 11100 Johns Hopkins Road □ Laurel, Maryland 20723

www.jhuapl.edu

6. FY10 RCR/RCNE Elections - Call for Applicants - Regions D & E

Call for Applicants!

Are you interested in taking your SWE leadership to the next level? Do you want to make a difference in programs for collegiate members? If so, this is your opportunity to apply! You could be your region's next Region Collegiate Representative (RCR) or Region Collegiate Newsletter Editor (RCNE).

The RCR is responsible for representing collegiate members' interests among regional leaders. The RCNE is responsible for communicating important SWE events and best practices primarily through the region's blog. Plus, the RCR(s) and RCNE from each region will get to attend next summer's Collegiate Leadership Forum in Chicago, IL!

Both positions provide invaluable interaction and coaching from SWE leaders. These leadership opportunities sharpen your career skill-set in the areas of leading and facilitation, group dynamics and communication, and project leadership. Please click on this link to get started on your RCR or RCNE application.

When you apply you will need:

- Member number
- Section/Region
- School and Permanent Address
- Position of interest
- SWE leadership positions
- Other leadership positions
- What you bring to the RCR or RCNE position
- What SWE means to you
- Interest outside of SWE
- Reference to confirm GPA/academic standing

Applications are due by Friday, February 13th.

Like FY09, in FY10 there will be 1 RCR for every 1,000 collegiate members in the region up to 2. Below is a summary of each Region's membership as of November 30th. Regions with a collegiate membership of 1,000 members by Dec 31st 2008 will host 2 RCRs.

Region D: 1,226 members (2 RCRs) □ Region E: 1,253 members (2 RCRs)

Note the application for becoming Collegiate Senator was provided in a separate eBlast. There will be opportunities to learn more about the differences between Collegiate Senator, RCR, and RCNE in the coming weeks.

More information about the election process can be found in the SWE Community "Collegiate Leadership Opportunity Community". If you have any questions regarding the RCR/RCNE positions or the election process, please contact your Region Leadership:

RCR – rcr-d@swe.org (for region D), rcr-e@swe.org (for region E)

RCNE – rcne-d@swe.org (for region D), rcne-e@swe.org (for region E)

Region Governor - Karen Ramsey-Idem (Karen.m.ramsey-idem@cummins.com, region D), Angela Waller (Governor-e@swe.org, region E)

or Pam Snyder, FY09 RCR-RCNE Coordinator

Thank you,

Pam Snyder, FY09 RCR/RCNE Coordinator □ Jennifer Vallero, FY09 RCR/RCNE Coordinator-Elect

7. CU LSAMP-R

CU LSAMP-R is a paid summer research opportunity that provides students with the opportunity to work with distinguished faculty and staff, and network with others in their field of interest through weekly luncheons. Undergraduate students, interested in gaining a deeper understanding in an engineering-related field, have the opportunity to work under the guidance of a faculty or research mentor at Cornell University. Through this one-on-one partnership, students will gain theoretical knowledge and practical training in academic research and scientific experimentation. CU-LSAMP-R was developed to aid in the retention of traditionally underrepresented minority groups in the sciences and engineering.

*CU LSAMP-R DATES: JUNE 1-AUGUST 7, 2009

ELIGIBILITY REQUIREMENTS

*Applicants must be in good academic standing with a GPA of 3.0 or better and:

- * Have completed at least two semesters and have at least two semesters remaining of their undergraduate education at the start of the summer program.
- * Students may NOT take courses while participating in CU LSAMP-R.

APPLICATION PROCEDURE

- * Students interested in the CU LSAMP-R program must submit their completed application by *FEBRUARY 9, 2009*.

- * Applicants must also submit transcripts, two letters of recommendation, and an essay about their research interests
- * Applicants will be notified of their acceptance via e-mail between *MARCH 15- April 6, 2009.*
- * CU LSAMP-R Application and Recommendation forms are available to download at : _**_
 _* <http://www.engineering.cornell.edu/diversity/office-diversity-programs/summer-programs/LSAMP.cfm>*
- * These documents may also be obtained by e-mailing your request to:
dpeng@cornell.edu <mailto:dpeng@cornell.edu>.* *

CU LSAMP-R RESEARCH PACKAGE INCLUDES:

- * A round-trip travel stipend of up to \$300*
- * A double room in Keeton residential hall
- * A campus bus pass OR a campus parking pass
- * A meal plan valued at approximately \$465
- * Access to state-of-the-art laboratories, libraries, computer/study lounges, etc.
- * */A stipend of \$3,000 /*//
- * /*For Monroe/Onondaga Community College students and/or students living outside the Ithaca area/

For more information, contact the Diversity Programs in Engineering Office, 607.254.5202 or dpeng@cornell.edu <mailto:dpeng@cornell.edu>.

8. Capital One Opportunities for All Years

Capital One is kicking off our spring recruiting season with opportunities for every school year! We had a fantastic fall season at Cornell and hope the trend continues into the spring. We are searching for the right students to explore the following opportunities:

Seniors- DATA ANALYSTS: As a Data Analyst, you will spend your first two years in Capital One's Analyst Development Program, which is designed to develop your technical and analytical skills while improving your depth and breadth of business knowledge. To apply, please drop your resume through the Barnes or Engineering career centers. Deadline is January 26th and testing is a pre-requisite.

Juniors- SUMMER INTERNSHIP: As a Capital One intern, you'll interact with our business leaders in a fast-paced environment and learn how our people use the 'test-and-learn' approach to drive innovation. To apply, please drop your resume through the Barnes or Engineering career centers. Deadline is January 26th and testing is a pre-requisite.

Freshmen and Sophomores- SUMMIT for DEVELOPMENT LEADERS: At this one-week program, a small, elite group of freshmen and sophomores will come together to learn more about the analytical and problem-solving skills valued by today's leading

employers. To apply, please see the job card for application instructions. Deadline is March 6th.

Please feel free to direct your club members to me at kerry.cunningham@capitalone.com if they have any questions or need any further information.

I appreciate your help and look forward to working with you in the spring!

Kerry Cunningham

Scholarship Opportunities

None at this moment!

Misc...

9. The Cornell Daily Sun & John S. Knight Institute for Writing in the Disciplines' Eclipsing Opinions Essay Contest

The 2008-2009 Eclipsing Opinions Essay Contest is meant to encourage and incite an interest among Cornell University undergraduates in the art of journalistic opinion writing. All entrants will be judged by a group of Cornell University faculty and The Cornell Daily Sun staff on the quality, persuasive effect, and clarity of each essay. Submissions will be accepted between January 1st, 2009 and February 26th, 2009 at 5pm via email to eclipsingopinions@cornellsun.com. Please ensure that all submissions are in *only* .doc or .pdf format. Essays submitted in .docx format will not be considered. *All essays must be original. Any submissions obtained from a third-party source or used in any other class or contest will be disqualified from consideration immediately.*

One winner will receive *\$400* in cash, the title of Contest Champion, and publication in the March 27th edition of Red Letter Daze. One runner-up will receive a \$75 prize, the title of Contest Runner-Up, and publication in the March 27th edition of Red Letter Daze. Other outstanding finalists may also

receive publication in Red Letter Daze, along with the title of Contest Finalist, with no additional prize. Winners and finalists will be notified by Friday, March 13th. *This means that for 500 words (less than two pages), you could win \$400!!!*

Please note that in order to ensure the highest quality drafting of your work, you are encouraged to attend the Walk-In hours of the John S. Knight Institute for Writing in the Disciplines held in several locations on campus. For more information on this service, please consult this website<http://www.arts.cornell.edu/Knight_institute/walkin/hours/htm>

Please consider the prompt as a helpful guide toward a topic or thesis, but do NOT respond directly to a specific question. Keep in mind that the prompts will not be printed with the winning essays. The essay has to stand on its own, without the guiding question as a reference.

**

*PROMPT:

*

"I never let schooling get in the way of my education." –Mark Twain

*Reflecting on your experience at Cornell University, what have you learned?

*

All entrants must keep essay submissions within the range of 500-1000 words.

Remember, 500-1000 words, due February 26th, \$400!!!!

For more information, please visit: www.cornellsun.com/eclipsingopinions

-Akansha Gawade

OR&IE

Engineering '11

Author of "This Is Who I Am"

Kaplan Test Prep Instructor & Tutor

Asst. Advertising Manager

Cornell Daily Sun

10. Cornell IEEE Event

Please join the Cornell IEEE in welcoming the new director of the ECE department, Professor Tsuhan Chen, in a meet-and-greet session next Monday. Professor Chen, who has just arrived on campus over winter break, will give a brief talk on his vision for the department as its director, answer some questions from students, followed by an informal catered reception.

Time: Monday Feb 9, 5PM-6:30PM

Location: Phillips 2nd Floor Lounge

Free food and refreshments will be served.

OPEN TO ALL ECE STUDENTS, both undergraduates and graduates are welcomed to attend so spread the word!

11. The Girls Educational and Mentoring Services (GEMS) Event

GEMS works with young women and girls who have been through sexual exploitation and domestic trafficking. GEMS recently produced a movie called "Very Young Girls" that aired on Showtime this past December. The movie follows 13 and 14-year-old girls as they are abused, bought, and sold on NYC streets by their pimps and treated like criminals by the police. We are screening the movie here at Cornell in Room 105 in Ives Hall on Monday February 23. Following the screening, we are hosting a panel discussion which will be led by the Deputy Director of GEMS, Patti Binder, and a couple of other professors.

The sexual exploitation of women is an issue that is definitely important and needs to be brought to the forefront. This is a little known fact, but the average age of entry into the sex industry in the United States is 12 years old. There are as many as 400,000 prostituted children in the United States and around 50,000 women and children are trafficked into the country every year to work in prostitution.

Our event will take place on Monday February 23 in Room 105 Ives Hall from 4:30 to 7:00pm.

12. Engineering Ambassadors

Do you love Engineering? Want to meet prospective freshmen? Have a great time?

Engineering Ambassadors is looking for enthusiastic new members to join our group of tour guides.

Freshmen, Sophomores, and Juniors are welcome to apply.

Apply online at <http://www.ea.cornell.edu>

Applications due by February 14, 2009.

Want to know more? Email Claudia - cg344@cornell.edu

Thank you so much!

--

Emily Grace McAdams
egm23@cornell.edu
Electrical and Computer Engineering
Cornell University '10

13. Contact Information!

Name, Directorship, Netid

Kavita Baba, President, kb273
Adwiti Balakrishna, President, ab442
Amrita Mahtani, Corporate Relations, agm39
Renee Yuen, Corporate Relations, ry42
Corinne Winters, Corporate Relations, caw262
Alex Woldman, Corporate Relations, ayw6
Emily Swarr, Career Development, ecs43
Kristie Resetco, Career Development, kmr53
Alex Milaychev, Public Relations, am495
Christine Pitner, Public Relations, clp65
Christine Catudal, Conference Planning, clc242
Liz Tutunjian, Conference Planning, eht26
Barbara Wang, Student Services, baw39
Michelle Zheng, Student Services, myz4
Caitlin Cutter, Fundraising, clc62
Danielle Brody, Fundraising, dlb333
Alice Chuang, Finance, acc65
Liz Corson, Outreach, ecc35
Nicole Rodia, Outreach, ncr6

14. Adding something to SWEmail!

If you wish to have an ad or blurb in the SWEmail, please send it to cornellswe@gmail.com by 12 pm Sunday.

Have a great week, ladies!
Alex and Christine

