

Cornell SWEMAIL Academic Year 2008-2009
Week of February 15, 2009
Society of Women Engineers

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For a complete calendar of Cornell SWE's Events, visit us at:

<http://swe.cornell.edu/calendar.html>

Research, Internship, Training, & Employment

1. Info Sessions!

Morgan Stanley Technology

2/17

6pm
205 Thurston
CS, ECE, and ISST are welcome!

2. 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!

3. 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

4. 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. 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.

5. 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

6. 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

7. 3M 2009 Summer Internship Opportunities

This note is being sent on behalf of Gene Washington, Manager, 3M
Workforce Diversity.

We are seeking your assistance in identifying Engineering students for
our 2009 Summer Internships, located at our corporate headquarters in St.
Paul, MN.

Qualifications:

- Chemistry
- Chemical
- Mechanical
- Electrical
- Material Science
- Physics
- Polymer Science

- Junior Standing
- A minimum 3.0 GPA
- Available Summer 2009

To apply go to www.3M.COM/jobs4me enter requisition 900138.

Please SHARE the attached document with your students. Thank you for your
prompt response. We look forward to building a relationship with you and
the students at your University!

Scholarship Opportunities

None at this moment!

Misc...

8. 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.

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*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

9. BioExpo Call for Posters – DEADLINE TOMORROW!

CALL FOR POSTERS:

BioEngineering Research EXPO 2009, on March 5th, 2009, will feature speakers and research from academia and industry involved in Biological, Biomedical and Environmental Engineering.

NOT LIMITED to engineering students.

- UP TO \$400 PER POSTER, AWARDED TO TOP ENTRIES.
- Poster displayed in EXCLUSIVE poster gallery to faculty and industry.
- Prizes open to undergraduate and MEng students conducting Biological, Biomedical and Environmental Engineering research.
- All Biological, Biomedical and Environmental Engineering research open to present at poster gallery.
- RESULTS DO NOT HAVE TO BE CONCLUSIVE.

INTERESTED? SUBMIT 150-200 WORD ABSTRACT AS E-MAIL ATTACHMENT TO

BEE_IBE@cornell.edu BY FEBRUARY 16, 2008.

WRITE "BioExpo 2009 Abstract" ON SUBJECT LINE.

Guidelines and questions: www.rso.cornell.edu/ibe

10. 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.

11. Opportunity to be in the Cornell Engineering Magazine!

If any of you have decided to participate in the Solar Power Applications Contest, please contact Robert Emero at rbe7@cornell.edu. He's interested in writing an article about this contest in the Cornell Engineering magazine, and would like to interview you! This is a fantastic opportunity, ladies, so go for it!

12. 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

13. 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