

Cornell SWEMAIL Academic Year 2008-2009
Week of February 22, 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!

Bloomberg

2/24

6 PM

203 Thurston

CS, ECE, AEP, ISST, and MAE are welcome!

Lockheed Martin

3/2

6 PM

B14 Hollister

CS, ECE, AEP, and MAE are welcome!

Schlumberger

3/5

7:30 PM

B17 Upson

BEE, ChemE, Civil, CS, ECE, AEP, Environmental, ISST, MSE, MAE, ORIE, and EAS are welcome!

2. Capital One Summer Opportunities!

We are searching for the right students to explore the following opportunities:

Freshmen and Sophomores- SUMMIT for DEVELOPMENT LEADERS: At this one-week program (May 18-23), 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. If chosen, you will work with other members of the Summit, plus Capital One employees, on a business case and be able to present your hard work at the end of the week in a case competition, being judged by some of Capital One's top employees. When you're not working, there will be much fun to be had! Evenings will be filled with fun events in Washington, DC and the surrounding areas. To apply, please see the job card for application instructions (page 2). The deadline is quickly approaching-- March 6th. This is one week you will not want to miss!

Juniors- SUMMER INTERNSHIP: We have actively been recruiting current juniors for our summer analyst internship but still have a few spots left. We would like to extend a special invitation to your members to apply. We need high-performing college juniors who have developed their superior analytical and quantitative skills in such majors as

economics, mathematics, finance, accounting, engineering and other quantitatively focused disciplines. 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. Excel in the Internship Program, and you'll see what it takes to build an immensely rewarding career with Capital One. To apply, please submit your resume to kerry.cunningham@capitalone.com as soon as possible. Spots are going quickly!

3. Industry, Nonprofit, Consulting, Oh My! Career Options for Engineers in the Green Economy - Workshop, Feb 26

****Industry, Nonprofit, Consulting, Oh My! Career Options for Engineers in the Green Economy**
Presented by Steve Robbins, B.S., MechE '02, Woodard & Curran
Thursday, February 26
4:45 pm
Hollister B14

4. Spring Marketing Internship with TownMe.com

About TownMe:

- Founded by 2 former Google Product Management Execs
- Backed by the investors of Facebook, Google, YouTube, Yahoo! and other major technology companies
- Allows users to find and create information about their town or neighborhood
- Alpha version of site (this will change rapidly in the coming weeks)

The Marketing Internship (Spring):

- A great opportunity for you to work directly with the CEO of a high profile Silicon Valley startup
- Craft & execute a marketing strategy
- Gain valuable hands-on operational and technology experience
- Forge ties to a well connected group of Silicon Valley Insiders

About You:

- Driven, smart, creative, proactive person who gets a lot done in a short period of time
- Detail oriented when executing but able to think big picture/strategically
- History of excellence and "never say die" attitude

- We are less interested in a specific background and care more about someone who is passionate about digital media, has a track record of excellence, and gets stuff done

Other Details:

- PMM Internship will be from student's current location
- Duration will be Now through June for 10-20 hours a week (exact timing/timeline negotiable)

Interested? Send your resume to marketing@townme.com

5. 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!

6. 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

7. 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-thermal-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, EDRW).
 - 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.

8. 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

9. 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

10. 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...

11. Engineering Academic Olympiad! – Feb 27th!

SHPE Presents...

The 6th Annual Engineering Academic Olympiad!

Friday, February 27th at 5pm

Kimball B11

Prizes for the winners, free food and drinks, raffles!

Email Daniel (do57) to register your teams for three, or register at our table in Duffield this week.

Deadline to register – 2/26/09!

12. International Women's Day Nominations!

The Cornell Women's Resource Center, the International Students and Scholars Office, and the International Women's Day Committee invite you to nominate someone you know to be recognized and celebrated on this special day. Please take a few moments to nominate a friend, colleague, or family member who deserves recognition.

Who can be nominated?

- * a local international woman whose achievements and accomplishments deserve distinction
- * an international student who works on global women's issues
- * an American student who works on behalf of global women's issues
- * a Cornell professor, staff person, or Ithaca/Tompkins County community member who works with international women or on global women's issues
- * women, men, adults, young people!

The purpose of this celebration and these nominations is to acknowledge that our community is filled with local women and supportive men who embody the richness of internationalism; we would like to recognize these individuals for what they add to Cornell University, Ithaca and the world.

No accomplishment is too small, no experience insignificant. Please take the time to nominate those whose every day actions deserve distinction. Please send your nomination via email to cornell.iwd@gmail.com

All nominees will be honored at a special celebration on Sunday, March 8, 2009, at 2 pm in the Williard Straight Hall Memorial Room (mark your calendars!). Cornell alumn Rosemary Stasek will be our keynote speaker. As the founder/chair of "...a little help," a charitable organization working to improve the lives of women and girls in Afghanistan,

Rosemary will be an inspiration for those present at the reception. President Skorton and Vice President Murphy will also help us in recognizing these individuals at the reception.

Please submit nominations by Monday, February 23, 2009.

13. REGISTER NOW: Networking Luncheon with PCCW, Saturday, March 7

Meet some of Cornell's most successful alumnae!

WE INVITE YOU TO JOIN US!

The Mentoring Committee of PCCW invites you to register for our annual alumnae-student luncheon. Our committee is dedicated to connecting with women students, to help you get the most out of life on campus and to prepare you for what comes next. We are eager to meet you in person and to learn your views of what being a Cornell woman is all about these days. In turn, we will share our perspectives on life as Cornell alumnae. We're delighted that we will have an opportunity to do this very soon, at our annual Alumnae-Student Luncheon, on Saturday, March 7, from 11:45 am to 2:00 pm. We would love for you to join us for an event that's certain to engage and inspire you!

REGISTER EARLY! ATTENDANCE IS LIMITED.

The on-line student registration is now open. Register by March 2, at career.cornell.edu. In the left navigation bar, link to Career and Alumni Connections, then PCCW; or link directly to <http://www.career.cornell.edu/careerConnections/pccw.html>

Student attendance is LIMITED to 100 juniors and seniors. Students who have not attended a PCCW luncheon or Senior-Junior Women's event previously will have priority for confirmation to attend the luncheon. Previous participants will be confirmed on a space-available basis. We will send further details to confirmed students, including the on-campus venue and tips on preparing for the discussion, in an email confirmation during the first week of March.

There will be random seating for lunch. Topics of discussion will include a wide variety of issues related to women in the workplace, and the transition between college and life after Cornell. After lunch, you will have the opportunity to mingle with alumnae at a dessert and coffee stations. This portion of the event may give you an opportunity to connect with someone in your career field.

Questions? Contact Nancy Law (NFL1) or Amy Layton (AEL67), or stop by 203 Barnes Hall.

-Ami Stuart
Employer Relations/Recruiting Coordinator

14. Young Inventors International Conference for Student Innovators and Entrepreneurs!

Join us at the 2009 YII Conference - www.younginventors.org/conference
Hosted at Carnegie Mellon University by Project Olympus (<http://olympus.cs.cmu.edu/>)

Young Inventors thanks our supporters:

Ramius Corporation (<http://www.ramius.net>) - Online Community Partner

Globalive Communications (<http://www.globalive.com>) - Webinar Delivery Partner

Young Inventors International (YII) invites students interested in innovation and entrepreneurship to attend

YII's 5th Inventing the Future Conference

April 3rd and 4th, 2009

Carnegie Mellon University

Pittsburgh, PA

Hosted by Project Olympus (olympus.cs.cmu.edu/)

Featuring Regis McKenna as the opening keynote speaker.

The conference will consist of three interactive sessions:

1. Commercialization Marathon

Experts will offer students practical advice about intellectual property, entrepreneurship and commercialization, raising funding, prototyping and design, and market research.

The knowledge will be useful for students who want to become entrepreneurs or bring new technologies to market for their employers.

2. Entrepreneurship Panel and Networking

Students will be invited to present elevator pitches for their ideas and connect with experts and mentors. A panel of three young entrepreneurs will talk about how they started their ventures from their dorm rooms and grew them into successful enterprises.

3. BrainBuzz

Students will work together with experts, entrepreneurs, and potential mentors to solve a series of brainstorming challenges - and network more meaningfully with all of the participants. The technologies used in the BrainBuzz will include technologies for the developing world from MIT's Innovations in International Health group, and participants

will have an opportunity to improve these technologies to benefit those in need.

For more information, speaker updates, and registration, visit www.younginventors.org/conference. Space is limited.

Benefits of attending:

- Access to hand-picked experts that can help you in commercializing your technology.
- Opportunities to connect with potential investors, employers, and partners.
- Opportunities to learn about early stage commercialization of high-technology inventions.
- Opportunities to advance your career as an entrepreneur, researcher, or young professional.
- Connecting with 100+ other student innovators and entrepreneurs.

How is the YII conference unique?

- It's highly interactive, not a series of lectures.
- Connections are meant to be not just an exchange of business cards, but an opportunity to find lifelong mentors and supporters.
- The focus is on practical advice that you can use immediately - and throughout your career.

About YII

YII is a not-for-profit organization that works with more than 1,800 university students in the United States and Canada to provide the students with skills and networks to bring new technologies to market. YII has held conferences at the University of Toronto and MIT, and has presented workshops at more than 20 universities. For more information, visit www.younginventors.org.

Questions? Email Anne at anne@younginventors.org.

We look forward to seeing you!

15. 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

16. 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.

17. 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!

18. 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

19. 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