

Cornell SWEMAIL Academic Year 2008-2009  
Week of March 1, 2009  
Society of Women Engineers

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Research, Internship, Training, & Employment

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Scholarship Opportunities

None at this time!

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Misc.

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

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Research, Internship, Training, & Employment

1. Info Sessions!

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](mailto:kerry.cunningham@capitalone.com) as soon as possible. Spots are going quickly!

## 3. 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](mailto:marketing@townme.com)

#### 4. 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](mailto:dreese@nyx.com).

Thank you!

#### 5. 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](http://www.nsfstc.org).

If you have any questions, please feel free to contact me via email at [wuehara@cens.ucla.edu](mailto: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

#### 6. 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](http://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](http://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.

## 7. 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](http://www.jhuapl.edu)

#### 8. 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](http://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!

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Scholarship Opportunities

\*None at this moment!\*

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Misc...

9. 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](http://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

#### 10. Young Inventors International Conference for Student Innovators and Entrepreneurs!

Join us at the 2009 YII Conference - [www.younginventors.org/conference](http://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/](http://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](http://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](http://www.younginventors.org).

Questions? Email Anne at [anne@younginventors.org](mailto:anne@younginventors.org).

We look forward to seeing you!

## 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](mailto: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](mailto:cornellswe@gmail.com) by 12 pm Sunday.

Have a great week, ladies!  
Alex and Christine