

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

Contents:

SWE Events:

1. S'mores, Hot Cocoa, and more at SWE gbody meeting this Wednesday!
 2. Take Pictures at SWE Events!
 3. Message from the Professional Development Committee
 4. Registration for the SWE Region E Conference here at Cornell!
 5. SWE Fieldtrips to BAE Systems and Corning Incorporated
 6. Expanding your Horizons Conference in April!
 7. SWE's Meet the Faculty Luncheon!
 8. SWE Valentine's Day Comm. Outreach Event - Sat, Feb 14th
-

Research, Internship, Training, & Employment

9. Info Sessions
 10. Applied Predictive Technologies – Summer Internship Deadline
 11. NYSE seeking Technologists
 12. Morgan Stanley: Technology Summer Job
 13. National Science Foundation Science & Technology Centers 2009 Summer Undergraduate Internship Programs
 14. Solar Power Applications Contest for Cornell National Society of Women Engineers
 15. NASA & Cornell summer 2009 Space Grant internships
 16. Johns Hopkins University Applied Physics Laboratory
 17. FY10 RCR/RCNE Elections - Call for Applicants - Regions D & E
 18. CU LSAMP-R
 19. Capital One Opportunities for All Years
-

Scholarship Opportunities

None at this time!

Misc.

20. Ingenius Competition Video
21. Join AguaClara!
22. Contact Information
23. Adding something to SWEmail!

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

SWE Events:

1. S'mores, Hot Cocoa, and more at SWE gbody meeting this Wednesday!

This Wednesday we have our first general body meeting of the semester! It will be in Phillips 231 (aka Phillips lounge) at 5:00 PM! We have an exciting semester ahead of us so make sure you come! We will also be starting a merit-system, through which you will earn points for each SWE event you attend, including general body meetings. Those with highest points will receive really great prizes at the end of the semester.

Plus you can enjoy s'mores and hot cocoa at the meeting!

2. Take Pictures at SWE Events!

Hi everyone,

I am a publicity chair for SWE this year and am responsible for writing a newsletter about the various SWE events this semester. If any of you happen to volunteer at an info session or attend any other interesting event, I would really appreciate it if you took a camera with you! Please email me (ng262) any pictures you may have or just write me a sentence or two about what happened and what you did. This would be a great way for me to keep up with what everyone is doing for SWE! Thanks a lot!!

Natasha

3. Message from the Professional Development Committee

Hi SWE members,

The Professional Development Committee is planning an Interview Panel Event for the spring. This is a workshop that is designed to help current Cornell students while interviewing for companies. If anyone has sample interview questions or any tips for answering interview questions, please email them to mj299@cornell.edu. Any tips or advice would be helpful and greatly appreciated.

Thank you!

Sincerely,
Madhu Jayakumar

4. Registration for the SWE Region E Conference here at Cornell!

Don't forget to register for the Region E Conference, hosted at Cornell University March 6-7, 2009. This event is a great opportunity to network and socialize with other students and professional women in engineering. The registration fee includes:

- Friday night ice cream social with entertainment
- Saturday morning breakfast
- Saturday workshops
- Career Fair
- Saturday lunch
- Saturday banquet dinner at the Statler

Don't miss out on this opportunity to attend this conference. It will not be hosted again at Cornell for at least 4 years, so take advantage of this opportunity while you can!

Please Register before January 6 at http://www.swe.cornell.edu/rc_main.html

5. SWE Fieldtrips to BAE Systems and Corning Incorporated

SWE would like to plan two day trips for this semester!

The first will be to Corning Incorporated in Corning, tentatively on Friday, March 27. The second trip we are planning to take is to BAE Systems in Binghamton with a date TBD. Both of these trips will be day trips and will include transportation and lunch.

We will be sending around a sign-up sheet at the next General Meeting on February 4. Signing up will NOT commit you to these trips, but we would like to get an idea of how many people are interested in attending. If you have any questions, please contact Noreen (nfr2) or Emily (ekc45).

These day trips will provide excellent networking opportunities and will be both informational and fun. We hope you attend!

6. Expanding your Horizons Conference in April!

The Expanding Your Horizons (EYH) conference, which is held every year at Cornell to get local girls in grades 7-9 interested in math, science, and engineering, is going to be held this year on Saturday, April 25th. The program consists of workshops and exhibits throughout the day and runs formally from 9-4:30. We are beginning to look for volunteers for this year's conference. There are many ways to help:

- General Volunteers are needed to help with tasks to help the conference run smoothly., like setup, registration, giving directions, etc.

Being a General Volunteer is a good idea for people who can only commit to a partial day of the conference. If interested in being a general volunteer, contact Ellen Keene at ek237@cornell.edu

- Buddies are needed to escort the girls around campus and accompany them during all activities, including workshops, lunch, keynote speaker and viewing exhibits. Buddies must be female and must be available for the entire day (roughly 8:30-5:00). If interested in being a buddy, please contact Katie Sullivan at kjs237@cornell.edu

- Lansing Volunteers are needed to help run the mini-EYH conference which is held before the full conference itself at the Lansing correctional facility. Date TBA. If interested in helping out with this please contact Sharon Gerbode at sjg53@cornell.edu

7. SWE's Meet the Faculty Luncheon!

Tuesday February 10th from 12-1:30pm

Upton Lounge

A great opportunity to meet and connect with faculty and re-motivate for the new semester! And, there will be tasty food! ☺

8. SWE Valentine's Day Comm. Outreach Event - Sat, Feb 14th

Bring a smile to someone's face this Valentine's Day. SWE and SHPE are pairing up Saturday, Feb 14th for a trip to Bridges Cornell Heights - Senior Assisted Living Center. We will be making Valentine's Day cards with them to send to their loved ones, as well as other activities. Time commitment is only about two hours from 10am-noon. If you are interested email sgv3@cornell.edu.

Research, Internship, Training, & Employment

9. Info Sessions

GE Information Session - Engineering Coop

2/3/09

6pm

B14 Hollister

ECE, AEP, MSE, and MAE are welcome!

10. Applied Predictive Technologies – Summer Internship Deadline

Dear Cornell Students:

If you are interested in a Summer Internship in software engineering, please remember to drop your resume with APT through Cornell CareerNet by midnight on Monday, February 2nd. Here is a bit more about us...

Revolutionizing the Consulting Industry

Founded in 1999, APT is a rapidly growing strategic consulting and enterprise software company with offices in Washington, D.C. and San Francisco. APT is revolutionizing traditional strategy consulting through a powerful combination of analytically driven consulting and advanced software. APT has over 40 Global 2000 clients, including Starbucks, Kraft, Staples, Lowe's, Subway, Wells Fargo, and TD BankNorth. APT was recently recognized by Red Herring as one of the top 100 private companies in North America.

What does APT do?

APT helps senior leaders of consumer-facing organizations make strategic decisions worth millions of dollars in increased profits. We work with our clients to solve some of their key business problems such as:

- *Should we "bet the company" on an innovative new store design?
- *What new loyalty program offer will truly make customers more loyal?
- *Which customers should I target and with what offerings?
- *In which markets should I expand my network and where specifically should my new sites be located?

APT answers these high stakes questions through a powerful combination of analytically-driven strategy consulting and enterprise software.

What does this mean to you?

APT's commitment to excellence is second to none. That is why more than three-fourths of our consulting and development staff has degrees from one or more of the following institutions: Massachusetts Institute of Technology, Stanford University, University of Virginia, Harvard University, University of Pennsylvania, Dartmouth College, Princeton University, Yale University, Duke University, and Cornell University.

Those who joined us in mid-career came to APT after succeeding in world

class technical, consulting, and advisory organizations such as McKinsey & Company, Microsoft, BCG, Bell Labs, and Mercer Management Consulting.

What does this mean for you? Exceptional peers at the top of your profession. Committed mentoring by an experienced, driven and nurturing management team. An opportunity for unparalleled professional growth. And an environment where you can make a difference.

Check us out..... www.joinapt.com <<http://www.joinapt.com/>>

We're looking for undergraduates with strong analytical skills to join this team in our Washington, D.C office for an 8-10 week summer internship. Please direct any questions to APT's Cornell recruiting manager, Mo Daud mdaud@predictivetechnologies.com

11. 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!

12. Morgan Stanley: Technology Summer Job 2009 Technology Summer Program

Technology Summer Program Overview: The 10-12 week Technology Summer Program is designed to develop highly motivated junior technologists who partner with the business units to solve complex problems through the appropriate use of technology. The program commences with an introduction to the securities business and the Morgan Stanley Technology division. An overview of the Morgan Stanley technical environment, systems and infrastructure is provided. Throughout the program, Summer Interns may enroll in additional on-site training classes to sharpen their skills in the technologies relevant to their internship.

A weekly speaker series allows Summer Interns the perfect forum to learn and discuss emerging trends and developments in technology and finance with senior managers representing the Firm. Smoothing the transition from classroom to the corporate environment, Summer Interns are paired with Morgan Stanley technologists who serve as mentors. In many instances, mentor relationships continue well beyond the end of the program. Moreover, frequent social activities throughout the program allow for networking opportunities with Technology officers, associates and peers.

Duties and Responsibilities: Technology Summer Interns are recruited and placed in a specific development or infrastructure team for the duration of the internship. They solve

business problems that are unique to a market leading institution using innovative technology. Over 50,000 employees and many customers need easy access to our backend platforms. Our software is developed on Windows, Unix and Linux, using Java, C++, C# and Perl. Our developers leverage third-party infrastructure as well as infrastructure developed in house -- these include relational databases, global XML/SOAP messaging infrastructure, high-availability clusters, and massively scalable distributed systems. Some projects of our former interns include working on our enterprise portal, wireless access, or components of our many trading and risk reporting systems using various technologies such .NET, JSP, Java Servlets and SOAP.

Summer Interns receive an invitation to interview for a full-time position as a Morgan Stanley technologist in the Technology Training Program. Summer Interns who have excelled in the program but will not be graduating in the upcoming year may be invited to participate in the following year's summer program. Ultimately, the Technology Summer Program provides a solid foundation on which to build a career in technology at Morgan Stanley.

Qualifications: BS and MS in Computer Science, Electrical Engineering, Mathematics, Physics or related science and engineering disciplines preferred. We look for excellent problem-solving skills and the ability to adapt to a dynamic and multifaceted environment where business and technical skills are intermingled. In addition, we look for strong communication skills, the ability to work and interact with others, English proficiency and a strong academic background (a minimum GPA of 3.0/4.0).

TO BE CONSIDERED, ALL CANDIDATES ARE REQUIRED TO APPLY ONLINE AT www.morganstanley.com

13. 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 schoolsetting 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

14. 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-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.

15. 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

NASA_intern_poster2009.pdf

Opportunity: NASA/NY Space Grant and NASA ESMD Internships at NASA Centers

Other Eligibility Details: Rising sophomores or rising juniors through entering first-year graduate students, minimum GPA 3.0/4.0

Compensation: \$5,500 stipend + \$1,000 travel/relocation

Application Deadline: 02/01/2009

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

16. 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

17. 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

18. 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>>.

19. 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...

20. Ingenius Competition Video

The Link is a you tube video promoting the contest.

<http://www.youtube.com/watch?v=5a4Vt3ui4As>

21. Join AguaClara!

Join AguaClara for the Spring 2009 Semester!

Seeking students to join the AguaClara team. No experience is necessary.

Undergraduates of all ages are encouraged to join (offered as either CEE 2550 or CEE 4550). Students have the opportunity to take part in a trip to Honduras through the class. AguaClara is especially seeking Spanish speaking students and students with experience in LabVIEW.

For more information please email ajd47@cornell.edu

22. 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

23. 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