



## UPCOMING SWE HARTFORD EVENTS...

### **24th Annual Certificate of Merit**

#### **Call for Volunteers!**

More details to follow. Tentative date: week of April 28<sup>th</sup>.

In April, SWE Hartford will hold the 24th Annual Certificate of Merit Awards Ceremony recognizing outstanding high school juniors. The students being honored will be selected by their teachers and guidance counselors, have successfully completed three years of math and science with distinction, and are active in their school and/or community. These outstanding students have great potential to be the engineers of the future!

We need SWE Hartford members and friends to help organize the event at the University of Hartford. We also need volunteers to participate during the event by speaking with students about their engineering experiences and what they love about engineering. Please contact Claudette (cpetroze@us.ibm.com) if you are interested in helping with preparations, being a speaker, know someone who would make a good speaker or can assist during the event.

### **National Engineering Week**

February 17-23, 2008

Visit [www.Eweek.org](http://www.Eweek.org) for more information

During Engineering Week, SWE is planning a joint event with SHPE and NSBE in the Hartford area. Please let Sarah ([sarah.koenig@pw.utc.com](mailto:sarah.koenig@pw.utc.com)) know if you are interested in volunteering! Specifics on dates and times will be announced shortly.

### **Alstom Tour and Scholarship Award Reception**

**Save the Date! Details to be announced.**

March 5th, 2008

Alstom USA, 2000 Day Hill Road, Windsor, CT 06095

ALSTOM is a global leader in the world of power generation and rail infrastructure. They design, build and service technologically advanced products and systems for the world's energy and transport infrastructure. They also build power plants and have supplied over 20% of the world's installed capacity in power generation.

### **Mingling with Smith College SWE Section**

Sushi Table and Tea

Wednesday, March 12, 2008 at 6:30 PM

Moshi Moshi Japanese Restaurant, 4 Main Street, Northampton, MA

<http://www.moshimoshi-noho.com/>

Price is approximately \$20/person *including tax and tip*. More details to follow.

Please contact Michelle ([michelle.montepara@swe.org](mailto:michelle.montepara@swe.org)) or Liz ([elizabeth.garypie@swe.org](mailto:elizabeth.garypie@swe.org)) if you are interested or would like more information.

## LOCAL EVENTS...

### FIRST Robotics



Invitation to participate in two great outreach opportunities sponsored by **FIRST** (For Inspiration and Recognition of Science and Technology [www.usfirst.org](http://www.usfirst.org))

Judges are needed for two CT events:

- 1.) The FIRST Tech Challenge at Manchester High School, Manchester, CT on Saturday, FEB 23 (this is a one-day commitment).
- 2.) The FIRST Robotics CT Regional Competition in Hartford, CT MAR 13-15 (this is a commitment for Thursday evening and all day Friday and Saturday).

Please let Michele Fitzpatrick ([mfitz@tvconnect.net](mailto:mfitz@tvconnect.net)) know if you are interested in either of these opportunities.

### Hello SWE Hartford!

My name is Stephanie Gagliardi. I am a Junior at the University of Connecticut. I am currently the social chair for SWE, however I am also the outreach chair for Material Advantage at UConn. The Material Advantage Chapter and UConn will be hosting the 1st Northeast Regional Material Advantage Conference. This two day event (February 22nd and 23rd, 2008), features students and faculty from 14 universities, over 50 high schools, and many industry professionals. Highlights of the conference include local industry tours, several technical presentations on various thrilling material science subjects, and a distinguished lecture from the Vice President of ASM International Mr. Roger Fabian. Of course be sure not to miss the student poster contest and our Women In Technology and Career Path Forums!

For more information please see our website: <http://www.engr.uconn.edu/ucma>

Thanks! Stephanie Gagliardi and Robert Scalise -UCMA Outreach Chairs

### Travelers Golf Championship

Please join me at the 2008 Travelers Championship! The June 16-22 PGA tour event is run by volunteers with all proceeds going to the Hole in the Wall Gang Camp, Paul Newman's camp for children with cancer, and the Greater Hartford Jaycees, a leadership development organization that awards scholarships and grants in addition to performing community service throughout Greater Hartford.

As the 2008 Gates and Greeters Chairperson, I am looking for groups to volunteer in at the gates area including helping our fans at the information booth, handing out pair guides or sitting at the cell phone check-in table. A group of SWE members would be a great addition to our volunteers. If anyone is interesting in volunteering, please let me know.

Dagny Williams

Gates and Greeters Chairperson, 2008 Travelers Championship

[DMEW01@yahoo.com](mailto:DMEW01@yahoo.com), 860-522-4171 ext 3384

Visit <http://www.travelerschampionship.com> for more information



## Connecticut Invention Convention

Saturday, May 3, 2008

Gampel Pavilion - Storrs, CT

In the past, many SWE members have promoted and volunteered for this event. Michelle Montepara mentions that “it is a ridiculously fun event where we evaluate students’ inventions.”

The CT Invention Convention (CIC), is a not for profit program which itself was “invented” in Connecticut 25 years ago. Each winter, in classes and after school programs, close to 10,000 students all over CT begin developing their ideas into viable “inventions,” which through selection at local school invention conventions, dotting the state from March through April, are chosen for the “finals” of the CIC at Storrs in May. In an overflowing Gampel Pavilion, the CIC presents over 250 awards to inventors in numerous categories, celebrating and recognizing as many inventors as possible for their “Yankee ingenuity”. As a result, over the past two and a half decades, many students who have participated in the CIC credit their later interest in science, math and engineering to their early experience with “inventing.” And while they don’t invent just for fame and fortune, many young CT inventors have appeared on the Martha Stewart, Jay Leno and Ellen DeGeneres and Cyberchase shows, and even been recognized by a US Secretary of Energy for their inventiveness and creativity.

This year, House Speaker James Amman Announces \$150,000 Grant to CT Invention Convention (CIC) for Expansion of K-8 Inventing Programs. The Grant Award Kicks off the 25th Year of CIC.

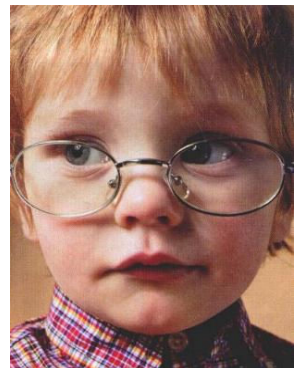
More information on the CIC can be found at its website: [www.ctinventionconvention.org](http://www.ctinventionconvention.org).

## Pratt & Whitney Take Your Child to Work Day

Thursday, April 24, 2008

It's that time of year again! April 24<sup>th</sup> is Pratt's Take Your Child to Work Day. If you are interested in participating, receiving more information, or would like to have a booth(s) at the hangar this year, please email Julie ([Julie.Tetrault@pw.utc.com](mailto:Julie.Tetrault@pw.utc.com)).

Thank you,  
Julie Tetrault, Holly Morace



## UTC Grants for Volunteers

For your information, each full-time UTC employee who is active in SWE for 60 hrs or more per year can have \$250 donated back to SWE.

The United Technologies Volunteer Grant Program is designed to recognize and encourage employee volunteer activities through contributions to specific organizations in which employees are involved. Eligible participants must be full-time, U.S. employees of United Technologies Corporation or one of its domestic divisions or subsidiaries and have completed one year of continuous service.

Please visit [www.easymatch.com/utc](http://www.easymatch.com/utc) or contact Sherisse Hughes at [Sherisse.Hughes@hs.utc.com](mailto:Sherisse.Hughes@hs.utc.com) for more information.

## Engineering Without Borders

Below is a note from Dr. Pines to the University of Hartford Civil Advisory Board. Dr. Pines is the Chair of the Civil, Environmental and Biomedical Dept at the University of Hartford. I found this success story very inspiring for two reasons; it is another example of engineers improving the quality of peoples' lives, and it is for a girls' school!

~Carol A. Coppa

I wanted to give you a quick update on the implementation of our solar groundwater pump for an Abheypur village in India. Though it was quite challenging at times, we were successfully in implementing the project to provide water for 200 girls at the primary school and to provide another source of water for the lower caste members of the village.

A team of 5 students, 2 professional mentors, and me had a very ambitious schedule to complete the following major components of the project during our two week stay.

- 1.) Drill and develop well
- 2.) Install solar panels and wiring for solar powered pump
- 3.) Plumb four 2000-liter (500 gallon) tanks in parallel from pump and include individual shut offs for each tank in case of a leak
- 4.) Construct a 20 ft x 6 ft x 3 ft high foundation for the water tanks

As we learned more about building materials, equipment, and techniques that were available, the EWB team had to rethink and redesign aspects of each of these four parts of the project. The most challenging was the drilling of the well. As a quick summary, the inefficient drilling techniques used (you'll have to come to our fund raising dinner this spring to see photos and get all the details!) did not give us enough time to develop the well in two weeks. As an alternative, we were able to rehabilitate a well that had not worked for 8 years at the school and use it as our pumping well.

For now, the well we drilled is being used by the village to monitor the depth to water table (collect real data and not depend only on anecdotal evidence of how the water table is dropping over time). The unexpected result is that we have a pumping well, a monitoring well, and know a lot more about rehabilitating the many non working wells in the village. While we did not plan it this way, the creativity of the EWB student team provided us with more success stories that we had envisioned.

I would like to thank two of our CE Advisory Board members who have been extremely supportive of our EWB chapter. First, Elaine Hammick has not only been generous in donating to our team but connected us with Nadia Glucksberg. Nadia is a hydrogeologist for MACTEC with 15+ years of experience of drilling experience. Nadia joined the team as a professional mentor and was a critical player in making the project a success. Also, Bob Arsenault has taken on the challenge of teaching our sophomore design course this semester to the next group of students interested in doing a follow-on project for the village. These students will be designing a rooftop rain water harvesting system for the school so that they can have access to water year round. Also, they will be doing some preliminary research and design of a soak pit system to improve sanitation in the village.

I'm looking toward your support; I'm interested in seeing if you or any of your colleagues would like to mentor one of the five project teams. The class meets on Friday morning from 8:30– 10:20. While it would mean coming to the Friday morning class occasionally, it would not be an every week commitment. As we do for our senior design projects, the mentor and students could arrange for other times outside of class to work on their part of the project. I have also opened up this opportunity to the Hartford EWB Professional chapter.

## SHPE Annual Scholarship Fundraiser

Date Auction & Silent Auction

Saturday, February 16, 2008

6PM - Midnight

Hilton Hartford Hotel – Hilton Ballroom



Networking, Food, Music, Raffle prizes and much more

Please visit their website for more information and to RSVP: [www.shpect.org/dateauction.html](http://www.shpect.org/dateauction.html)

RSVP By: February 9, 2008. Register early for this event, to have your name entered into the door prize (Raffle Prize: IPOD NANO 4GB)

\$25 for Members/\$30 for Non-Members pre-registration, (\$30 / \$35 day of the event).  
Only Cash and Checks will be accepted during the auction event.

To volunteer for this event Contact Shakira at [president@shpect.org](mailto:president@shpect.org)

## Work Life Balance Tip of the Month

This article borrowed from the January 2008 National SWE Newsletter

Put SWE Involvement in your annual performance goals. This gives you “permission” to spend work time on committee telecons and other SWE activities!

There is always a lot of conversation around resolutions in the New Year. In order to figure out what improvements you need to work on in 2008, it’s important to first reflect on where you’ve been. Find some quiet time this week (and if you’re in a relationship, ask your partner to join you) and write down:

- What did I learn personally and professionally in 2007?
- What did I try for the first time, this past year (or when did I step outside of my comfort zone)?
- What action, choice or decision did I make in 2007 that surprised me?
- What am I most proud of accomplishing in 2007?

Now, what goals do you want to set for 2008? If you’re actually reading this article, then my guess is that you’re interested in finding a better Work-Life Balance (or maintaining the one you’ve currently achieved). Over the holidays, I started reading a new book titled “Work + Life” by Cali Williams Yost. I’m by no means even close to finishing it (but hope to soon so that I can write a review of it for a future SWE News), but her conviction that there is no such thing as Work-Life **Balance** is quite compelling. I highly recommend this book for anyone who is trying to define their “Work + Life Fit”, as Cali calls it. If you don’t have time to read it, feel free to wait for me to finish it and I’ll try to give you a good summary. In the few chapters that I’ve read, I have found myself asking these questions as I begin to prepare for the New Year:

- Am I happy with the way my work is currently fitting into my life?
- If not, what is preventing me from seeking the right “fit” for my life **right now**?
- If things don’t change for the better, how long will I be able to continue this way and what am I willing to do about it?
- How would the right Work + Life Fit make my personal life more fulfilling and my time at work more productive and less self-destructive?
- What small steps can I take to start moving toward the life I really want?

I challenge you all to do the same! If you have any comments or questions about this article or would like to submit a WLB tip or article, please e-mail Celesta White ([celesta.white@swe.org](mailto:celesta.white@swe.org)).

~Submitted by Celesta White, WLB Committee FY08 Chair

## SWE NATIONAL NEWS...

### February SWE Web Seminars

These Web Seminars are free for SWE members or \$49 for non-members.

#### ***What You Should Know About Interacting with Executives***

<https://www.swe.org/msc-swe/registrationtype.aspx?event=WEBSEMINARINTEXECo8&bhcp=1>

Tuesday, February 5, 2008

5PM (EST)

**Speaker:** Rachel S. Hutter, Director of Facilities Systems & Processes for Walt Disney Parks & Resorts

Have you made a New Year's Resolution to advance in your career? This Web seminar offers insights on how to be effective in both formal and informal interactions with key leaders in your company. What you don't know can, and probably is hurting you from receiving the projects and visibility which can showcase your leadership abilities. Get an executive's perspective on the criticality of content, phrasing, pacing and timing of conversations. This is information you need to know, no matter where you are in your present career.

#### ***Emerging Strategies for Leveraging a Global Workforce***

<https://www.swe.org/msc-swe/registrationtype.aspx?event=WEBSEMINARGLBLWORKo8&bhcp=1>

Tuesday, February 12, 2008

5PM (EST)

**Speaker:** Tana Utley, Chief Technology Officer and Vice President, Caterpillar Inc.

The questions facing global business today are numerous. How do companies recruit people who understand and respond to challenges across borders and cultures — not to mention developing, motivating and retaining employees located in different regions of the world? Perhaps most important, how does a global company bring its far-flung employee base together, working as one team, sharing common values and driving toward the same strategic goals? Drawing on her 20+ years of experience leading diverse teams and organizations across Caterpillar, Vice President and Chief Technology Officer Tana Utley will describe the strategies she has employed to leverage the skills and perspectives of a global workforce to deliver product development excellence.

#### ***From Campus to Cubicle: What to Expect During Your First Ywear on the Job***

<https://www.swe.org/msc-swe/registrationtype.aspx?event=WEBSEMINARCMPCUBEo8&bhcp=1>

Wednesday, February 20, 2008

5 PM (EST)

**Speaker:** Connie Shoemake, Vice President of Sales, IBM Corporation

You've landed your dream job. You can't wait to start working 'in the real world'. But how is that world defined? What is the global marketplace, and how do you ensure that you are ready for it? As you transition to the workplace you will be expected to collaborate with individuals from different cultures and backgrounds, to cooperate with diverse personalities, to be a team player, and to work on projects with strict deadlines. The social norms, dress, and etiquette you used in college will be different in the workplace, as will the time constraints placed upon you. You were hired for your talents and skills; you now need to utilize those skills to demonstrate your value to your coworkers, your management, and your company. Join Connie Shoemake, Vice President of Sales at IBM, to learn how to make your transition from college to the workplace a smooth, successful one.



## SWE Magazine is now available in a Digital Edition!

In just 30 seconds over a high-speed connection, you'll be able to view the latest issue of SWE Magazine. Use this digital issue to share copies of *SWE Magazine* with friends, colleagues, or forward copies to prospective members.

<http://www.nxtbook.com/nxtbooks/swe/winter08/index.php>

## SWE HARTFORD MEMBER NEWS...

### SWE Polos!

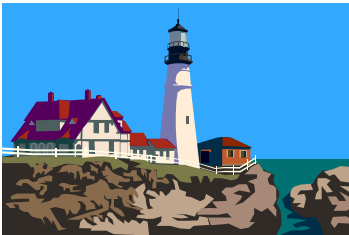
This fall, SWE Hartford will be selling SWE women's polo shirts to raise funds for SWE Hartford and our annual scholarship. This is a great way to show your pride in SWE! The shirts will be navy blue and have the SWE gear logo embroidered along with the words "Society of Women Engineers."



Shirts will be available for \$22, and come in sizes small through 2XL.

|           | Small  | Medium   | Large    | X-Large  | 2X-Large |
|-----------|--------|----------|----------|----------|----------|
| USA Sizes | 6 to 8 | 10 to 12 | 14 to 16 | 18 to 20 | 20       |
| Bust      | 34-35  | 36-38    | 39-41    | 42-44    | 45-47    |

Reserve yours today! Email Liz ([elizabeth.garypie@swe.org](mailto:elizabeth.garypie@swe.org)) your name and size.



Support the SWE-CT section and buy an Entertainment Book by visiting their website [www.swect.com](http://www.swect.com)

Also visit our friends at SWE-NESS on their website <http://www.sweness.org>

Are you, or do you know anyone, interested in speaking at local high schools? Email Sarah at [sarah.koenig@pw.utc.com](mailto:sarah.koenig@pw.utc.com) with your name, email, and other relevant information.

## REGION F NEWS...

### Call for Volunteers

Dear SWE Hartford Members,  
We are looking for panelists for a session at the Region F Conference on Saturday April 12, 2008. We are looking for women who have graduated from a Masters in Engineering (or other technical discipline) program and are currently working in any industry. The panel will be discussing the usefulness (or not!) of obtaining an advanced degree, how it is perceived at your workplace, and the challenges of working while going to school (if applicable).

Please contact me at [jonnacg@sbcglobal.net](mailto:jonnacg@sbcglobal.net) if you are interested in participating.

Thanks, Jonna Gerken, 2008 Region Conference Co-Chair



## Section Bylaws Update

The National and Region bylaws have been updated, and now is the time to update the **Hartford Section bylaws**. We are looking for SWE Hartford members who would like to assist in revising this document and bringing it to the section for a review and vote.

Contact Michelle ([michelle.montepara@swe.org](mailto:michelle.montepara@swe.org)) if you are interested in gaining an inside look at how we operate!

## Would you like to host a SWE Hartford meeting?

We have great events planned for FYo8, but now we need places to hold them!

All you need is a conference room that holds 15 people from 6:30-8:30 pm.

If you are interested, contact Liz ([elizabeth.garypie@swe.org](mailto:elizabeth.garypie@swe.org)) or Michelle ([michelle.montepara@swe.org](mailto:michelle.montepara@swe.org)).

## Are you Involved?

Do you belong to a professional organization that you think would be of interest to other SWE Hartford members?

Please let Ashley ([Ashley.Phillips@swe.org](mailto:Ashley.Phillips@swe.org)) know and we'll include it next month.

## OPEN FYo8 COMMITTEE CHAIRS!

We need FYo8 committee chairs to round out our SWE Hartford Executive Council for next year. Openings include:

- **Awards Chair**
- **Marketing \ Fundraising Chair**

If you are interested in any of these positions or want more information, please contact Liz ([elizabeth.garypie@swe.org](mailto:elizabeth.garypie@swe.org)) or any of the other FYo8 officers.

## SWE Hartford wants to hear from you!

Have you recently...

- Received a promotion or moved to a new and exciting position?
- Completed a great project?
- Attended an interesting lecture, seminar or conference?
- Read a good article or book?
- Added a new member to your family?

### Let us know!

We want to publicize the accomplishments of our members. Send a note to Ashley ([Ashley.Phillips@swe.org](mailto:Ashley.Phillips@swe.org)) with your news and we'll take it from there!

## Calling All Articles!

The SWE Hartford News is always looking for new and interesting material for its pages. If you have something you think would be of interest to the membership or would like to see included, email Ashley ([Ashley.Phillips@swe.org](mailto:Ashley.Phillips@swe.org))

**Deadline for the  
March newsletter:  
February 22nd**

*Engineers like to solve problems. If there are no problems handily available, they will create their own problems. ~Scott Adams*



Society of  
Women Engineers

ASPIRE • ADVANCE • ACHIEVE