



E-SWEeper February 6, 2008

E-SWEeper: An electronic newsletter for Rochester-area Society of Women Engineers' members and other interested parties. The Rochester Section of the Society of Women Engineers will use this format to distribute newsworthy information to area members on a monthly basis. If you have any questions or submissions, please contact Lisa Norwood at (585) 275-4155, or lnrw@seas.rochester.edu. We will gladly include news items and activities from SWE Student Sections and nearby SWE Sections as time and space permits. Please forward this to colleagues as you see fit.

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Volunteers Needed: STEP Science Bowl 2008

Saturday, February 9, 8:00am-3:30pm

Monroe Community College's Damon City Campus – Sibley Building, 5th floor

The STEP Science Bowl 2008 is a regional event for the Department of Energy's National Science Bowl. Teams of 5 students each, featuring talented youth from groups historically underrepresented and underserved in science, will go head to head in a fast-paced, jeopardy-style verbal competition where they will answer questions in all branches of science and math. Groups traveling from Albany, Fredonia, Buffalo, and Syracuse will join Rochester teams in this high-energy event. The winner of the STEP Science Bowl 2008 will receive an all expense paid trip to Washington, D.C. to represent the region at the DOE's National Science Bowl (May 1-6).

In order to support this incredible event, we ask that you consider donating your time and talents. Volunteers are needed in the following areas:

- Moderator (12 needed) – Is THE person responsible for controlling each match. It is important that you are familiar with how the game is played and all of the contest rules. Goes over the important rules, reads questions during the match, and verbally recognizes students before they can answer. MUST attend a training session for this position. Should be comfortable with scientific terminology and have a loud speaking voice (no microphones!). Time commitment – 8:30am – 1:30pm
- Scorekeeper (12 needed) – Accurately awards points, records and announces the game score, and has team captains sign the score sheet. MUST be able to stand during the competition. MUST attend a training session for this position. Time commitment – 8:30am – 1:30pm
- Rules Judge (12 needed) – Ensures that all competition rules are followed and operates the buzzer lockout system. Ensures that quiet is maintained. MUST attend a training session for this position. Time commitment – 8:30am – 1:30pm

- Timekeeper (12 needed) – Operates the official competition time clock. MUST attend a training session for this position – Time commitment – 8:30am – 1:30pm
- Room Monitor (12 needed) – Faces audience during game play to ensure that there is no talking. Replaces scrap paper during half-time. Is available to act as a “runner” to command central if needed. Time commitment – 8:30am – 1:30pm
- Registration Desk (4 needed) – Time Commitment – 7:30 am – 9:00am (multiple people) and then 1 person on shift 9:00 – 3:30pm
- Food Server Breakfast (4 needed) – Time Commitment – 7:00 am – 8:30 am
- Food Server Lunch (6 needed) – Time Commitment - 1:00 pm – 2:30 pm
- Photographer (2 needed) – takes official pictures of every team, takes pictures of event throughout the day, digital cameras provided. Time Commitment – 8:00 am – 3:30 pm (in shifts)
- Set Up Crew (4 needed) – can help on Friday, February 8th.
- Clean Up Crew (4+ needed)
- Buzzer Master (1 needed) – sets up and tears down buzzer systems, is available for problems during the matches. 7:30 am – 2:00 pm

To volunteer please Contact Donna Augustine at 262-1673 or daugustine@monroecc.edu.

Pesticide Management Seminar

Tuesday, March 11, 2:00-5:00pm, Brighton Town Hall
www.flachmm.org

The Finger Lakes Chapter of the Academy of Certified Hazardous Materials Managers (FLACHMM) is hosting a Pesticide Management Seminar and Chapter Meeting on Tuesday, March 11th from 2:00pm-5:00pm at Brighton Town Hall.

Register Now: SWE Region E Conference

Women Engineering a Sustainable Future, March 7-9, 2008, Richmond, VA
<http://www.swe.org/regione/documents/2008regionconferenceregistration.doc>

The Richmond Professional Section and the VCU Collegiate Section of the Society of Women Engineers (SWE) are jointly hosting the Mid-Atlantic Regional Conference. The goals of the conference are:

- Network with regional members
- Build skills to be successful in the engineering workforce
- Meet employers and learn about the diversity of engineering career paths and internships
- Attend technical workshops that explore sustainability

Register now!

Everyday Engineering Summer Camp at RIT

Program dates: July 7-18, 9:00 am-4:00pm (extended day available)
www.we.rit.edu

This two week day camp, held at RIT and presented by RIT students, faculty, and staff is packed with hands-on activities that will open your eyes the engineering that is all around you. Girls in entering 4th-9th grade are welcome to attend. The cost for the two week session is \$400.

At camp, your daughter will:

- Create and design every day
- Swim
- Rock climb
- Make an electronic dance pad
- Program and design a robot
- Learn about engineering
- And more!

For more information, contact WE@RIT by phone (585)475-6321 or email we@rit.edu.

Academic Summer Residential Program for High School Students at UR

Program dates: July 14 – August 8

www.rochester.edu/college/osp/apply/ROC/ROCOOverview.html

The University of Rochester is offering summer residential programs for high school students. Rochester Scholars is a non-credit enrichment program for students in grades 9-12. Taste of College is a credit-bearing program for high school juniors and seniors.

Students will get the opportunity to:

- Think critically and learn to embrace the spirit of intellectual exploration.
- Get a jump-start on their college career by taking credit courses with actual U of R students and professors!
- Say they participated in a pre-college program at one of only 25 schools named a "New Ivy" in the 2007 Kaplan/Newsweek "How to Get into College Guide."
- Learn all about college life and what it has to offer
- Make life long friends from all over the United States and the World!

Job Posting: Project Safety Coordinator

O'Connell Electric, Victor NY

O'Connell Electric, based in Victor, NY has an immediate opening for a Project Safety Coordinator for our Rochester Transmission Project. This is a temporary position projected to last through April 2008.

Duties:

- Keep the loss of human and property resources to a minimum.
- Ensure compliance with OSHA and project safety and security regulations.
- Conduct safety orientations for new employees and subcontractors.
- Inspect jobsites / conduct safety audits.
 - o Identify and correct safety hazards found during regular inspections.
 - o Document findings, action taken, and corrective action needed.
 - o Ensure safety materials are present at jobsite.
- Coordinate accident investigations and ensure thorough documentation.
- Maintain monthly reports of safety performance metrics.
- Other duties or special projects as assigned.

Prerequisites:

- Degree in Safety Management or completion of pertinent safety training courses and OSHA 30 hour Construction certification.
- Valid Driver's License.
- Construction safety experience desired.
- Must have a thorough understanding of OSHA regulations and how they apply to the construction industry.
- Strong oral and written communication skills are required.
- Must be proficient with Microsoft Word, Excel and Outlook.

If you are interested, please contact the Executive Vice President of Operations, Joe Pellerite by phone (585) 924-2176 or by email Joe.Pellerite@oconnellelectric.com.

Mechanical Engineering Faculty Positions Available

Rochester Institute of Technology, Rochester NY

The Department of Mechanical Engineering at Rochester Institute of Technology invites applications for Adjunct (Part-Time, Day and Evening available) and Temporary Full-time (Non Tenure Track) Faculty Positions. A Ph.D. in Mechanical Engineering is preferred, though limited opportunities may be available for those holding an M.S. Degree in Mechanical Engineering. Preference will be given to applicants with some teaching experience and extensive industrial work experience. Adjunct and part-time faculty are expected to deliver courses in their particular area of specialization, provide a high degree of academic support to students enrolled in their classes, and coordinate their course delivery with other faculty and staff in the ME Department. This announcement is a general call for interested applicants, and candidates may be considered for positions throughout the year. Adjunct faculty members typically

teach one course per quarter, while temporary full-time faculty teach multiple courses per quarter, with appointments up to one academic year at a time.

The Department of Mechanical Engineering has a strong commitment to engineering education. We offer B.S., M.S, and M.Eng. degree programs, and contribute to the PhD program in Microsystems Engineering. The M.E. Department offers aerospace engineering, bioengineering, automotive engineering, and energy systems options to students completing their B.S.M.E. Our program emphasizes career-oriented, hands-on education with mandatory co-op experience. RIT runs on the quarter calendar, consisting of 10 weeks of instruction followed by one week of exams. Most courses meet for four contact hours per week (2 days for 2 hours, or 4 days for one hour), and require similar time commitment for office hours and student consultation regarding subject matter. Teaching as an Adjunct or Temporary Full Time faculty member is an excellent way to gain classroom teaching experience and exposure to academic career opportunities, or to simply stay current in and excited about your field of technology.

A hallmark of the Mechanical Engineering Department is its diverse instructional faculty whose composition is 24% female. RIT is an equal opportunity employer. Members of protected classes and individuals with the ability to contribute in meaningful ways to the Institute's continuing commitment to cultural diversity, pluralism, and individual differences are strongly urged to make an application for employment. Rochester is an area rich in cultural and ethnic diversity, with a population comprised of 20% African and Latino Americans and another 7% of international origin.

Please submit a letter of interest with a detailed resume, a clear statement of teaching interest and philosophy, and a list of courses and topical areas that you would feel confident in teaching. Applications should be submitted by email to Dr. Alan Nye at ahneme@rit.edu. Review of applications is ongoing and resumes will be kept on file for at least one year in anticipation of future part-time needs in the department.

Job Opening: Manufacturing Engineer

Biomedical Search Consultants, Waltham MA
www.kingbishop.com

Experienced Manufacturing Engineer (Medical Device) - Due to growth, our client is expanding their Operations Engineering Group and seeking a Manufacturing Engineer to join the team. The Manufacturing Engineer will be the primary owner of technical processes in multiple departments. Key responsibilities include providing internal software application and hardware support to manufacturing functions, supporting automated laser based optical data acquisition systems, reporting software bugs and enhancements to R&D in combination with providing feedback to the manufacturing user community and recommending and executing on preventative and corrective action plans. The engineer will also play a key role in manufacturing technology implementations, represent Operations needs when working with the R&D and QA teams on select projects, provide end user input to the design and testing of new products to minimize manufacturing cycle times and to maximize usability as well as operational reliability.

Biomedical Search Consultants is a leader in the design and production of patient-specific medical devices, focused on dental products. Biomedical Search Consultants is a division of King & Bishop which provides contract and permanent staffing solutions, career outplacement services and HR consulting.

Position Available: Software Engineer

REDCOM, Victor NY
www.redcom.com/company/careers.php

As a design and manufacturing company specializing in digital telecommunications systems. Currently, REDCOM is looking for software engineers to develop UNIX-based applications of telephony switching products. Position requires converting imprecise customer inputs into precise software specifications, designing applications conforming to these specs, producing the applications and documenting results. BS with concentrations in CS, SE, CE with experience using C and real-time. Java experience desired.