

## ASME/IEEE RRVS Joint Meeting Technology for Homeland Security

**Tuesday March 30<sup>th</sup> at Lino's Restaurant**

The confluence of the September 11, 2001 terrorist attack and the U.S. Army's historic role to support civil authorities has resulted in substantial new challenges for the Army. To help meet these challenges, the Assistant Secretary of the Army for Research and Technology requested the National Research Council (NRC) carry out a series of studies on how science and technology could assist the Army prepare for its role in homeland security (HLS). The National Academies Board on Army Science and Technology formed the Committee on Army Science and Technology for Homeland Security to accomplish that assignment. The Committee was asked to review relevant literature and activities, determine areas of emphasis for Army S&T in support of counter terrorism and anti-terrorism, and recommend high-payoff technologies to help the Army fulfill its mission. Dr. Dutta has been one of the members of this Committee. The results of the first report will be discussed.

### **Speaker:**

Dr. Mitra Dutta is professor and head of the department of electrical and computer engineering at the University of Illinois at Chicago. For fifteen years previously, she served in various capacities at the US Army Research Laboratory, including a Senior Executive Service position in the Army Research Office (ARO), now a component of the US Army Research Laboratory. In this position, Dr. Dutta provided oversight of the entire ARO extramural basic research program, as well as the leadership for the integration and transition of the ARO-executed Department of Defense, Department of the Army, and Army Materiel Command research activities. Dr. Dutta's research prior to working for the Army involved laser spectroscopy and neutron-scattering studies in a number of different material systems. Her more recent efforts focus on III-V and III-N semiconductors, including the design, demonstration, and characterization of novel optoelectronic and quantum electronic devices.

### **Dinner:**

It will be a 7-course meal, cash bar. There are three meal selections,

- Baked Lasagna,
- Baked Cod,
- Egg Plant Parmigiana.

Please reserve your space and/or dinner selection By calling **Ginger** at **815-394-5696** or sending an email ([ginger.spinasant@hs.utc.com](mailto:ginger.spinasant@hs.utc.com)) **by Friday, March 26, 2004**. Please include your name, phone number, email address, ASME member number, and dinner selection. The cost of the dinner is \$5 for ASME members, \$14 for nonmembers; \$2 for full-time students.

### **ASME Announces Conference on Nanotechnology Growth in Biotech and Medical Devices**

ASME's Nanotechnology Institute will sponsor a conference on growth opportunities for the Biotech and Medical Sectors in Nanotechnology from April 15-16 at the National Academies of Sciences and Engineering in Irvine, Calif.

The conference will provide engineers, business developers, professionals from the biotech and biomedical sectors and students solutions on how to capitalize on the next wave of new technology.

Attendees to the conference will receive a tour of the Integrated Nanosystems Research Facility at the University of California, Irvine.

To register for this conference, or for more information call InfoCentral at (800) 843-2763 or visit the website at <http://www.asme.org/events/nanobio>

### **Contribute to METoday**

Share your work/life experiences, expertise and/or lessons learned through the process of building your career. We are looking for non-technical career focused articles and/or ideas geared towards Early Career professionals.

Submit proposals to [youngengineers@asme.org](mailto:youngengineers@asme.org) or mail/fax to: ASME, Attn: Cheryl Hasan, Three Park Avenue, New York, NY 10016 or (212) 591-8239, (212) 591-7437.

### **Program:**

**Meeting at Lino's Restaurant  
5611 E. State St, Rockford,  
(815) 654-5500.**

- 6:00 pm Social
- 6:30 pm Dinner
- 7:30 pm Presentation
- 8:30 pm Open Q & A session

### **Student Activity Calendar**

#### **April**

April 15 [Summer/Fall Student Loans – Application Deadline](#)

April 16-17 [Fundamentals of Engineering Exam](#)

#### **May**

May 1 [Deadline for Pre-College Mini-Grant Applications](#)

May 16 [Student Manufacturing Design Competition – project description due](#)

May 30 [Young Design Engineers' Paper Competition – entry deadline](#)

#### **June**

June 1 Letter of intent for [Hydro Power Contest](#)

June 1 [Petroleum Division](#) Student Scholarship Program

June 30 [Solid Waste Processing Division](#) – Scholarships for graduate and undergraduate study – application due

June 30 [Student Section officer listing](#) due

## Member-Get-A-Member Campaign

Recruit new members and receive a 'Certificate of Volunteerism!' \*

50% of their 1st-yr dues will fund scholarships for ASME student members. **Any member that has been out of school 4 years or less saves up to 60% on dues.**

Campaign Details: <http://www.asme.org/membershipdrive/2003-2004/about.html>

Up to 60% dues savings:

<http://www.asme.org/member/info.html#dues>

\*Must recruit 2 more new members to receive certificate.

## Winning Strategies to Career Negotiations

*Tips to getting that raise, promotion or new job*

- **Prioritize your needs.** Define your overall objectives in terms of responsibilities, work environment, salary and benefits— and keep these in focus throughout the discussion.
- **Consider the employer's needs.** The more you understand what the employer is looking for, the more effectively will you communicate your value.
- **Strive for mutual understanding.** "Put yourself in his shoes." If you keep in mind the other person's style and values, it's easier to overcome areas where you may disagree.
- **Actively listen.** Focus on what is being said, rather than what you wish to say—otherwise you may miss subtle, verbal and nonverbal cues that convey the employer's needs.
- **Be open-minded.** Believing there's just one way to arrive at a positive outcome is very limiting. Instead brainstorm several outcomes that are mutually beneficial and then keep an open mind—an unanticipated solution may present itself through dialogue.
- **Research salary data.** Having objective salary criteria is absolutely critical. Objective data minimizes the emotion of the discussion, as well as provides third-party credibility.
- **Practice, Practice, ...** Role-playing with a career coach, or other objective individual, will show you exactly what you are comfortable asking for and how you come across to others.

Visit ASME's Career Center at [www.asme.org/jobs](http://www.asme.org/jobs) for more information on career building and negotiations.

# **ROCKFORD JOB SHOP AND MANUFACTURING SHOW** **MAY 4 -5, 2004**

**FOR MORE INFORMATION: Contact: Jerry Devine (815) 877-8043**

**SHOW: ANNUAL JOB SHOP AND MANUFACTURING SHOW**

**DATES: MAY 4 - 5, 2004**

**SITE: ROCKFORD METRO CENTRE, 300 ELM STREET**

**HOURS: TUESDAY, MAY 4, 9:00am - 4:00pm  
WEDNESDAY, MAY 5, 11:00am - 6:00pm**

This is Northern Illinois' largest industrial trade show, featuring Job Shops and Manufacturers from throughout the area. In addition, the event offers a whole spectrum of industrial goods, from high tech to maintenance products and methods to make any business, regardless of size, more efficient.

All industrial personnel are urged to attend. Maintenance, engineering, purchasing as well as CEO's and department heads should attend this event. New products and services are annually unveiled at this show.

The Rockford show will be sponsored this year by the Rockford Area Chamber of Commerce, the Council of 100 and the Rock River Valley Manufacturers. New this year will be seminars both days held in two locations of the Metro Centre. No admission fee is required.

## ***Message from the Chair:***

The Rock River Valley Section is looking for volunteers to join the executive committee. If you want to shape the future of ASME, or like to organize interesting and exciting events, this is your opportunity.

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