

## Chair's Corner

ASME Professionals and Students,

Please thank Dr. Sriram Sundararajan (Speaker) and Max Gassman (Coordinator) for arranging our February 20th meeting. Congratulations to Jeff Bartels being awarded the third CIS-ASME scholarship also.

Please thank Ray Micheel for arranging March's meeting. Ray will be presiding at the March meeting in my absence due to an out-of-town work commitment.

If you are interested in helping with CIS activities, please let one of the board members or myself know. Nominees are needed to help serve on next year's board.

See you April 13th in Nevada for a tour of the Iowa Energy Center's Biomass Facility followed by dinner and speaker in Ames. Thanks.

Dave Glessner, Chair

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## Upcoming Events

April Meeting

### **The Future of Biomass Gasification**

Thursday, April 13, 2006

BECON (Nevada), Quality Inn & Suites (Ames)

#### **Agenda:**

4:30 pm - Presentation/Tour of BECON

6:00 pm - Travel to Quality Inn & Suites

6:30 pm - Buffet Dinner

7:00 pm - ISU ASME Human Powered Vehicle Project Presentation

7:30 pm - Speaker-Dr. Robert Brown (ISU)

*The Future of Biomass Gasification*

8:30 pm - Adjourn

Cost: Members-\$20, Guests-\$25, Students-\$10

For more information on this event and to register, please visit

<http://sections.asme.org/CentralIowa/>.

Registration Deadline: Friday, April 7 (noon)

April Technical Seminar

### **Is Endurance Limit in Steels a Convenient Myth? Dr. Charles Mischke**

Location and date yet to be determined. Check our website for more information as it becomes available.

## HOW TO ENGAGE EARLY CAREER ENGINEERS: PROMOTE THE ECLIPSE

A good leader does more than a “good job.” Good leaders find good replacements, so that the “good job” doesn’t end with their term. Good ASME unit leaders do the same. One of the best ways to maintain the activity and growth of your unit is to engage the Early Career Engineer. One way to do that is to “promote the ECLIPSE” (Early Career Leadership Intern Program to Serve Engineering).

Early Career Engineers (less than 10 years past graduation) are often eager to cut their teeth in leadership roles, but don’t have the seniority to get many opportunities in their company. Active involvement in ASME offers just such an opportunity. Many of our ASME unit leaders fall into the category of Early Career (EC) engineer. It is a real win-win scenario when we put the young energy and enthusiasm of the EC to work for ASME. The EC engineer, the ASME unit and our entire ASME society benefit.

The benefit is great enough that ASME’s Board of Governors made engaging the early career engineer one of the strategic objectives of the society (objective C2 at <http://files.asme.org/asmearg/About/Connections/7626.pdf>). One of the programs supporting this major effort is the ECLIPSE. The new program’s goals include placing early career engineers in highly visible and productive roles within ASME, finding high-level ASME volunteers to mentor them, and providing these young engineers with ongoing leadership training.

The ECLIPSE program offers early career engineers a one-year leadership internship that includes some travel support and training. Interns are provided opportunity and exposure at the highest levels of ASME. While gaining leadership skills, the Interns have a chance to network for that next opportunity, in both their professional and their ASME careers. A future leader may apply for this internship by visiting: [http://www.asme.org/Governance/Volunteer/VOLTAcademy/Early\\_Career\\_Leadership.cfm](http://www.asme.org/Governance/Volunteer/VOLTAcademy/Early_Career_Leadership.cfm). The application deadline has been extended to April 1, and now follows the ASME Leadership Training Conference (LTC). The opportunities are there, but the awareness of them is not.

By promoting the ECLIPSE program, you will capture the attention of, and engage the EC’s in your unit; get younger members involved and enthusiastic about ASME; and build up future leaders for your unit.

By the way, it’s easy for us to speak to the truth of this subject. We were EC’s, and we both know that our personal growth was enhanced by our experience as interns in the former LDI program. ECLIPSE will do the same for many others. Send a few emails; make a few calls; spread the word - promote the ECLIPSE.

Larry Dickinson, LDI Intern, 1995-1996; Karma Snyder, LDI Intern, 2002-2003

## 2006 FIRST Championship

The FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition is an exciting, multinational competition that immerses middle and high school students in the world of engineering. Working with engineers who serve as mentors and advisors, students get a hands-on, inside look at the engineering profession.

The fun and excitement of FIRST Championship competition will be held **April 26-29** at the Atlanta Georgia Dome and is free and open to the public. To foster the technological literacy of society, ASME and FIRST (For Inspiration and Recognition of Science and Technology) are working together to achieve this goal. For more information visit <http://www.asme.org/Events/Contests/Partnership.cfm>

## 16th National Manufacturers Week

National Manufacturing Week is where engineers and executives from manufacturers of all sizes and from every industry sector meet to fuel their innovation, productivity and growth. NMW conferences will be held **March 20-23**, and exhibits **March 21-23**, at the Donald E. Stephens Convention Center in Rosemont (Chicago), Ill.

ASME will sponsor 29 sessions, including two sessions exploring the future of manufacturing in the United States. The ASME role in National Manufacturing Week reflects the Society’s outreach to engineers in industry and the organization’s support of innovation and productivity in manufacturing. For more information visit <http://www.manufacturingweek.com> or Noha El-Ghobashy, [ElGhobashyN@asme.org](mailto:ElGhobashyN@asme.org)

## New Faces of Engineering for 2006



Timo Marquez Arreaza, project manager at ETH Sustainability, Zurich, Switzerland, was nominated by ASME to be among the 16 young engineers announced as New Faces of Engineering during Engineers Week 2006.

New Faces of Engineering strives to promote the accomplishments of young engineers by highlighting their engineering contributions and the resulting impact on society. Marquez is currently involved in promoting sustainable practices with several professional groups such as the American Institute of Chemical Engineers (AIChE), Engineers for a Sustainable World, and ASME, for whom he chaired the Technology and Society Sustainable Engineering Committee. He also serves as a consultant for ETH Sustainability's World YES Forum project in Zurich, where he is project manager of a 15-member team in the area of sustainability, corporate responsibility, and youth engagement.

Timo Marquez earned his BS in mechanical engineering at the University of Zulia (Venezuela) in 2000, and an MSc degree in mechanical engineering at Royal Institute of Technology (Sweden), in 2003.

## RPI President Receives ASME President's Award

The Honorable Shirley Ann Jackson, Ph.D., president of Rensselaer Polytechnic Institute, received the prestigious ASME President's Award during a ceremony held on March 1 on the RPI Troy, NY campus. Susan Skemp, ASME's President from 2002-2003, presented the award in recognition of Dr. Jackson's outstanding contributions to the engineering profession and for her dedication to the promotion of diversity and inclusion in engineering education.

Established in 1998, the ASME President's Award provides an opportunity for the office of the president of the American Society of Mechanical Engineers to present special recognition to industry or to prominent individuals who have demonstrated significant contributions to the engineering profession.

A theoretical physicist and the first African-American woman to receive a doctorate from Massachusetts Institute of Technology in any subject, Dr. Jackson has enjoyed a distinguished career in industry and research, government and academe. Prior to becoming president of RPI, Dr. Jackson was appointed by President Bill Clinton to chair the U.S. Nuclear Regulatory Commission, in 1995, the first African-American to hold that position. She also served as a theoretical physicist at the former AT&T Bell Laboratories and as a professor of theoretical physics at Rutgers University.

The event was co-hosted by the RPI student chapters of ASME, NSBE, SHPE and SWE.

## ASME SPRING STUDENT CONFERENCES (formerly known as the RSC'S)

ASME Student Conferences will be held between March and April 2006 throughout the ASME districts. The student conferences attract over 2,500 participants annually and are hosted by ME/MET Departments at selected universities or by ASME Sections. They take place over 1 to 3 days at the host campus or a nearby location. In addition to professional development sessions or workshops, grad school seminars or career fairs, these conferences also include the following ASME competitions: The Student Design Competition, The Old Guard Prize - Oral Presentation Competition, The Old Guard Technical Poster Competition and The Old Guard Technical Webpage Competition. Visit the student conference website for dates and locations. [http://www.asme.org/Communities/Students/2006\\_Spring\\_Student.cfm](http://www.asme.org/Communities/Students/2006_Spring_Student.cfm)

## Energy Nanotechnology International Conference Set for June

Featuring presentations on the role of nanotechnology in energy conversion, storage and utilization, the Energy Nanotechnology Int'l Conference will be held **June 26-28, 2006**, at the Massachusetts Institute of Technology in Cambridge.

Engineers and scientists on the leading edge of research in nanotechnology will interface with professionals engaged in the national debate over alternative energy technologies to reduce America's dependence on oil and natural gas. The ASME Nanotechnology Institute is a sponsor of this event. For more information visit <http://www.asmeconferences.org/energynano06/>

## Frontiers in Biomedical Devices 2006

The ASME Nanotechnology Institute presents Frontiers in Biomedical Devices 2006, to be held **June 8-9, 2006** at the McDonnell Douglas Engineering Auditorium at the University California at Irvine campus.

Leading authorities in the commercial and academic arenas will focus their expertise in 4 intense meeting tracks including: Physiological & pathological environment for medical devices, Monitoring & imaging techniques, Device development, Regulatory & clinical issues. The conference also includes an evening reception, exposition and poster session on June 8th at the University Club. General Audience and Student Registration fees include access to all sessions, one copy of the conference proceedings, daily coffee/tea breaks, lunches, and conference reception/poster session/exhibit. For more details visit <http://www.asmeconferences.org/NanoBio06/> or contact Brandy Smith at 917-596-0306 or email: [smithb@asme.org](mailto:smithb@asme.org)

## Student Activity Calendar

### March

March 1 [Old Guard Early Career Engineer Essay Competition](#) deadline

March 1 [Old Guard Young Engineers Award](#)

March 15 [ASME Scholarship Online Application deadline](#)

March 20 [National Manufacturing Week](#)

### April

April 27 [2006 FIRST Championship](#)

### May

May 8 [Turbo Expo 2006](#)

### ASME SCHOLARSHIPS AVAILABLE

ASME awards nearly \$100,000 in academic scholarships annually to Student Members worldwide. Applications for the 2006-07 academic year will be accepted online from February 1 through March 15, 2006. For more information, please visit:

<http://www.asme.org/Education/FinancialAid/Scholarships/Scholarships.cfm>

### *Call For Nominations: ASME ABET Degree Program Evaluators*

The Center for Education is accepting nominations for ASME ABET Mechanical Engineering/Mechanical Engineering Technology and related degree program evaluators.

As a Participating Society of ABET Inc. (the Accreditation Board for Engineering and Technology), ASME is responsible for 428 degree programs in the U.S. and for establishing a diverse cadre of highly qualified and highly committed ME/MET Program Evaluators to assume the very sensitive and important role of assessing undergraduate degree programs against established criteria.

All ASME program evaluators must submit a completed nomination, be selected, participate in a training workshop, and serve as an observer on an on-campus evaluation team visit prior to being placed on the roster of "active" evaluators for a period of 5 years. Serving on an assessment team for a degree program is very professionally and personally rewarding and an important means of "giving back" to and supporting the future advancement of the engineering profession.

Qualifications:

- 10+ years professional experience in either industry, government, or academia
- ASME member in good standing
- Graduate degree a plus
- *Women, minorities, and engineers working in industry or government are especially encouraged to apply*

Additional information including an application form can be found at:

[www.asme.org/Education/CertifAccred/Become\\_Evaluator.cfm](http://www.asme.org/Education/CertifAccred/Become_Evaluator.cfm)

Nominations should be submitted by **March 30** and forwarded to: Amy Bentow, Manager, Education, ASME Three Park Avenue, New York, NY 10016. Phone: 1-212-591-7880 Email: [bentowa@asme.org](mailto:bentowa@asme.org)

### **Katrina Loans Available for Eligible Students**

ASME has established a fast track student loan for mechanical engineering students who have been adversely affected by Hurricanes Katrina & Rita. Applications will be accepted on a continuous basis thru June 30, 2006.

For more information contact Maisha Phillips at (212) 591-7371 or [PhillipsM@asme.org](mailto:PhillipsM@asme.org). Additional information can also be obtained by visiting the Web site at <http://www.asme.org/education/enged/aid/loan.htm>

### **LOW INTEREST STUDENT LOANS**

The ASME Summer/Fall 2006 Student Loan Application will be available online from Feb. 15, 2006 through April 15, 2006. Don't miss out on this opportunity. The loan rate for the 2006-07 academic year is only 4.3%. For more information, please visit:

[http://www.asme.org/Education/FinancialAid/Loans/StudentLoan\\_Funds.cfm](http://www.asme.org/Education/FinancialAid/Loans/StudentLoan_Funds.cfm).

## **Local Section**

Return Address  
Street Number and Name  
City, State 98765-4321

POSTAGE

ADDRESS SERVICE REQUESTED

Mailing Address  
Street Number and Name  
City, State 98765-4321