

## Tour of the Penn State University Bernard M. Gordon Learning Factory

**When:** Wednesday, April 23<sup>rd</sup> at 6:30PM.  
For those interested in eating prior to the meeting, please meet at 5:00PM outside of the Learning Factory.

**Where:** PSU Learning Factory, University Park (see directions on last page)

**What:** The Learning Factory was the 2006 National Academy of Engineering Gordon Prize winner. You will be able to see an ultrahigh mileage hydrogen powered vehicle, formula racing vehicles, and many more projects in the final stages of build.

Please call by 4/21 so we can get a head count:

Leland Engel 863-2133 or  
Dan Kerstetter 863 7142

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## What is the Learning Factory?

### Mission Statement:

The Learning Factory is an industry-university partnership designed to produce world-class engineers by integrating design, manufacturing and business realities into the engineering curriculum. Active learning, real-world problems and hands-on experience in a modern facility are our primary teaching tools. The Learning Factory offers students in traditional engineering disciplines an experience that directly prepares them for careers in design, manufacturing, and product realization.

Since 1995, over 500 sponsored projects have been completed for 140 companies. The Learning Factory provides modern design, prototyping, and manufacturing facilities including machining (CNC and manual) rapid prototyping, waterjet cutter, welding, metrology, and CAD/CAM.

For more information see the web site:  
<http://www.lf.psu.edu/>

### PLEASE FOLLOW SAFETY REQUIREMENTS:

1. OSHA approved safety glasses or goggles must be worn in all areas of the Learning Factory. Safety glasses must have wrap around side shields.
2. Shorts, dresses, dangling or loose clothing will not be allowed for safety reasons. Neckties must be removed.
3. Shoes must have closed toes, and cover the entire foot.
4. Long hair must be tied back.

## **PREPARE FOR TOMORROW'S ENGINEERING CHALLENGES - TODAY!**



The 2008 ASME Annual Meeting will be held June 7-11, at the Walt Disney World Swan & Dolphin Resort, Lake Buena Vista, Fla. The theme of this year's event is "Innovative Partnering: Interdisciplinary Challenges to Designing the Future." The 5-day event will feature three plenary sessions, moderated by Michael Rogers, futurist-in-residence at the New York Times Company, with panelists of senior executives from such companies as Boeing, IBM and Westinghouse Electric. There will also be a broad range of workshops led by top executives, academics, futurists and venture capitalists as well as professional development and training opportunities including a Career Expo. Also, enjoy a golf outing and a charity 5K walk/run.

To learn more and register, go to [www.asmeconferences.org/annualmeeting08](http://www.asmeconferences.org/annualmeeting08).

### **Thinking about your career? Visit ASME's Career Center!**

Are you thinking about making some major career changes? Perhaps you are looking for a new job, finding out what you are worth, raising your profile at work or networking with other engineers to expand your career opportunities? ASME can help you energize your career this year with a variety of member benefits.

Find a job, build your resume or get advice at ASME's Online Career Center, the only job board dedicated exclusively to Mechanical Engineers. Find out what you're worth by taking the ASME Salary Survey, and get a basic report on how your salary compares to other engineers in your region, field or experience level.

Visit the ASME Career Center at <http://www.asme.org/Jobs/> for more information.



Undergraduate/Graduate student teams wanted! Innovative, creative, entrepreneurial students enrolled during the Spring 2008 semester are need for participation in the 2008 I•Show, (held in conjunction with the ASME International Mechanical Engineering Congress & Exposition.

Striving to produce the next "big thing," participating student teams work to develop technologies and innovations with raw enthusiasm and commitment. Once those innovations are fostered, the student teams are eager for the next step: product assessment and commercialization.

#### **We've Got Your Back**

I•Show provides the full experience of technology product commercialization, bridging the gap between engineering school practicum to business school theories. In partnership with the National Collegiate Inventors and Innovators Alliance (NCIIA), successful teams will attend *Invention to Venture* workshops and learn about technology commercialization and business plan development.

Additionally, teams will be matched with local entrepreneurs and experts based on their areas of expertise to help refine their product, develop a business model and elevator pitch.

#### **Your Reward – Access to Over \$20K in Seed Funds**

Ultimately, successful teams will compete at I•Show 2008 in Boston, Mass., presenting their technological innovation to a judging panel of successful innovators, industry experts, venture capitalists, and intellectual property specialists. Focusing on product innovation and commercialization, teams with the most creative yet feasible ideas will be rewarded with industry recognition and seed funds.

The deadline for the Team Application Process is **April 15, 2008**. Visit [www.asme.org/events/ishow](http://www.asme.org/events/ishow) for complete details.

## Thomas Loughlin Selected as next ASME Executive Director



Thomas G. Loughlin, who has served as ASME's Deputy Executive Director since 2005, has been selected by the Board of Governors to succeed Virgil R. Carter, who will retire on July 2.

A leader in association management with a strong track record in strategic planning and organizational assessment, Loughlin has had a leading role in the implementation of the Society's balanced scorecard system for addressing the Society's strategic and operational goals.

Loughlin joined the ASME staff 1993 as the director of Member Services, where he was responsible for managing membership growth and retention programs. Loughlin then served as managing director of Member Affairs for four years before being promoted to the position of managing director of Engineering. It was in this position where he played a key role in ASME's Continuity and Change reorganization initiative. The assessment subsequently led the Society to develop a new organizational model.

In his current role, Loughlin helps to manage the Balanced Scorecard system, which addresses the Society's strategic and operational goals. He is also charged with managing ASME's Engineering & Technology Enterprise section, including the Knowledge & Community, Institutes, the Centers Sector and Codes & Standards.

Loughlin, a certified association executive, received his bachelor's degree in mechanical engineering from Lafayette College in 1983. He holds five patents, and was named winner of the American Society of Association Executive's Keystone Award for Excellence in Membership.

## 2008 LTC, another Successful Gathering!



More than 350 volunteers and staff members attended the 3rd annual ASME Leadership Training Conference (LTC) from March 7-8 in Atlanta, Georgia and were provided with up-to-date information about the Society and the resources available for day-to-day unit operations, training on new skills, and networking opportunities with fellow ASME leaders at this high-energy event.

All of ASME's sectors were represented, including 5 Affinity Groups, 93 Sections, 40 and Student Sections, 29 Technical Divisions, 2 Institutes, Centers, Codes & Standards, Strategic Management, Volunteer Orientation and Leadership Training (VOLT) Academy, and the Board of Governors (BOG). Delegates traveled from all over the United States and 17 other countries, representing all ASME Districts. Sixty students attended a parallel Student District Operating Board (SDOB) conference held in conjunction with the LTC.

The LTC opened Friday morning with introductions of delegates from around the world and throughout the Society, remarks from **ASME President Sam Zamrik**, ASME President-Elect Tom Barlow, and Executive Director Virgil Carter, and a presentation of ASME's Big Picture by Knowledge & Community Managing Director Burt Dicht. Over the next two days, delegates attended over 30 workshops as well as an abundance of networking events, including an *Idea Mart*. At this exhibit-style session, delegates spoke directly with staff and other volunteers and learned about ASME departments and discuss options for support and collaboration with their unit. As with the previous conferences, many of the delegates left with positive thoughts.

"I learned available resources and how to access them, said one delegate. "This will be my reference material for the future." "I got self satisfaction, reasons to tell and convince everybody why they should get involved in ASME, said another delegate."

LTC 08 Co-chairs Jack Whitehead and Betty Bowersox wish to thank the more than 70 volunteers and staff members who helped organize and conduct the LTC. If your section sent a delegate, talk to them about implementing the lessons learned at LTC. If you weren't able to come this year, plan early for March 2009, and don't miss out!

## **TURBO EXPO 2008 – BERLIN**



Plan now to participate in ASME Turbo Expo 2008, to be held June 9-13, at the Estrel Berlin Hotel & Convention Center in Berlin, Germany. ASME Turbo Expo brings together the best and the brightest in the worldwide gas turbine community to present the newest developments and discuss global issues affecting the industry. The conference will feature an expanded 5-day Technical Congress with sessions, tutorials and panel discussions, and a 3-day exposition showcasing the products and services of engine manufacturers, software developers, research laboratories, and other firms in the worldwide power industry. Presented by the ASME International Gas Turbine Institute, Turbo Expo will include a keynote session with industry leaders and several facility tours of companies located in the Berlin area. Online registration for Turbo Expo 2008 is now open. For more details, visit the Web site at <http://asmeconferences.org/TE08/index.cfm>, or call 800-843-2763.

### **Inspiring Engineering Diversity**

Engineer Your Life (EYL) and the National Association for College Admissions Counseling (NACAC) are teaming up with ASME at dozens of college fairs for high school students throughout the United States. The EYL campaign has developed, tested and is now providing messages and materials to promote engineering to college-bound high school girls. Volunteers are encouraged to become part of the campaign by participating in the fairs. EYL fair exhibits are designed to break down commonly held perceptions about engineering and encourage girls to consider it as a college and career option. Interested in helping out? Contact Marina Stenos at [stenosm@asme.org](mailto:stenosm@asme.org) for more information.

### **Join us for the 2<sup>nd</sup> Annual European Bioprocess Technology Seminars and Exhibition in Stockholm!**

Plan to attend the 2<sup>nd</sup> Annual European Bioprocess Technology Seminars and Exhibition from June 23-25, 2008 in Stockholm, Sweden! Featuring 6 cutting edge seminars, this conference will provide in-depth coverage of timely industry topics such as bioreactor design, purification process development, aseptic fill and finish, equipment design, disposables technology and systems maintenance and operations.

Each seminar is lead by a panel of industry experts who will discuss the latest advances, case studies and best practices. The expert panel will include representatives from Amgen, Biogen, GE Healthcare Life Sciences, CRB, ABEC, LifeTek Solutions, Baxter, Fluor Corp, Merck and many more.

The conference will also include a keynote, tabletop exhibits, plant tours and opportunities for networking!

Sponsorships are also available. For more information on the European Bioprocess Technology Seminars, visit [www.asmeconferences.org/bioprocessEurope08](http://www.asmeconferences.org/bioprocessEurope08) or contact Jennifer Delda, program manager at 212-591-7108 or [deldaj@asme.org](mailto:deldaj@asme.org)

### **The ASME Volunteer Opportunities Bulletin Board**

(VOBB) is a tool designed to help volunteer leaders promote local Section and Society-wide volunteer positions. It is also used to help link volunteers with opportunities for involvement in all areas of the society. Opportunities for involvement include standards development, pre-college outreach and educational activities, government relations, and the development of new products, programs and more.

Volunteer leaders are encouraged to use the VOBB as a recruitment tool. If your ASME group is looking for a few good volunteers to share their passion and make meaningful contributions, contact Deidra Hackley at [hackleyd@asme.org](mailto:hackleyd@asme.org) or visit [http://volunteer.asme.org/vobb/Post\\_Volunteer\\_Opportunity.cfm](http://volunteer.asme.org/vobb/Post_Volunteer_Opportunity.cfm). For more information on posting or applying for a position on the VOBB visit <http://volunteer.asme.org/> or e-mail [bookert@asme.org](mailto:bookert@asme.org).

## The ASME Foundation Announces Four New Scholarships



### *Allen Rhodes Memorial Scholarship \$1,500 (1 award)*

This scholarship is in memory of Allen Rhodes, the youngest president of ASME and a former chair of The ASME Foundation. One award will be given each year in 2008, 2009 and 2010 to a deserving mechanical engineering student, who has a specific interest in the oil and gas industry, with preference given to applicants enrolled at Villanova University.

### *The ASME Foundation Hanley Scholarship \$2,500 (1 award)*

This scholarship is funded by the Mary Hanley Trust to provide scholarship funds for financially needy students pursuing an undergraduate degree in mechanical engineering.

### *Willis F. Thompson Memorial Scholarship \$5,000 each (3 awards)*

Mary Evans Stowell Thompson, a founding member of the ASME Foundation Archimedes Club, bequeathed a scholarship fund “. . . in memory of my late husband Willis who played a vital and instrumental role in the conception and development of the United Engineering Center in New York City, and in recognition of my late husband’s lifelong interest and services in many capacities to ASME.”

### *The ASME Virginia Tech Memorial Scholarship (1 award)*

This is a scholarship in recognition of the tragic events that took place on April 16, 2007 at the campus of Virginia Polytechnic Institute and State University. The goal is to remember the fallen and honor the living victims through a yearly award toward graduate study in the College of Engineering.

Awards recipients for any of the above scholarships may be selected on the basis of scholastic ability and the potential contribution of each recipient to the field of mechanical engineering. Enrollment in an ABET accredited program may be a requirement for eligibility as is ASME membership, and some awards may be limited to graduate students. For complete details on the requirements for each ASME award, visit <http://www.asme.org/Education/College/FinancialAid/>

### **Early Career Grant Funding Available**

Submit an application **today** to receive additional funding for your district-held Early Career Technical Conference and/or Early Career Forum for your units or sectors. Complete details for both grants can be found at <http://www.asme.org/Communities/EarlyCareer/>.

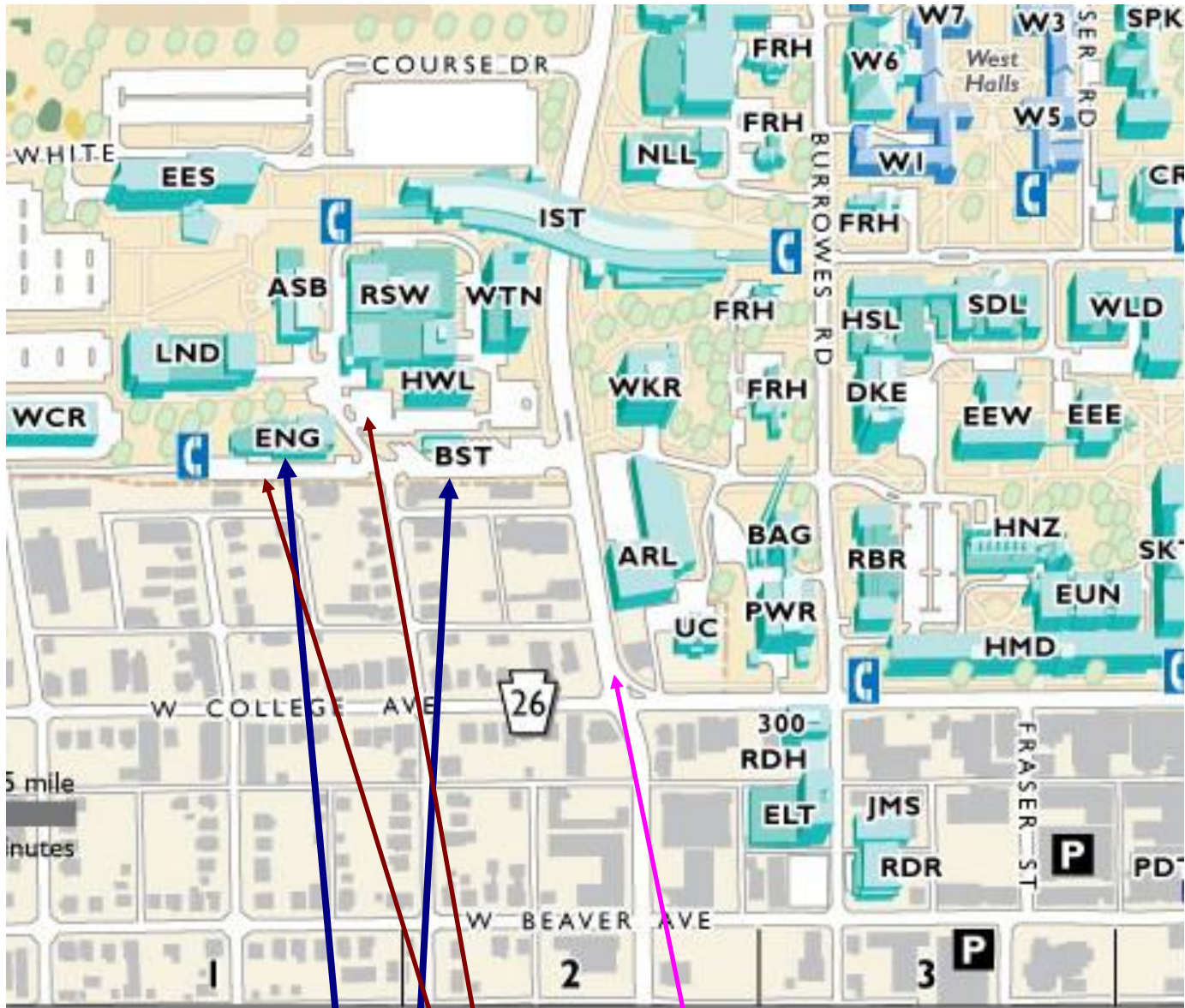
The deadline for applications is **April 15, 2008**.  
Contact: Cheryl Hasan [hasanc@asme.org](mailto:hasanc@asme.org) for more information.

### **Become A Mentor Today! Ementoring Opportunities for Early Career Engineers.**

Mentors are a great way to gain knowledge and learn from the experiences of experts in your field. ASME offers an e-mentoring service right at your fingers!

To learn more and sign up for mentors, log onto [http://www.asme.org/jobs/mentoring/Ementoring\\_Early\\_Career.cfm](http://www.asme.org/jobs/mentoring/Ementoring_Early_Career.cfm) or contact Noel Netel at [neteln@asme.org](mailto:neteln@asme.org).

# Map for tour of PSU Learning Factory



Learning Factory

Bus Station

N. Atherton St.

Parking in Lot Red A after 5:00 PM free