



THE BEARING FOR THE 21st CENTURY

Date: Thursday January 12, 2006
Time: 7:00 pm Meeting
Location: APS Building, Room 2 South
(NE Corner of the Arizona Center)
Cost: The Meeting is Free
(Cookies and Sodas will be provided by the section)
RSVP: Please RSVP (see below) by Jan 10th
so we may plan appropriately

Preceding the Meeting there will be a group meeting at 5:30 pm for Dinner at Mi Amigos in the Arizona Center. You will be responsible for the cost of your own dinner. We will be able to validate Arizona Center parking tickets at the meeting.

Please RSVP To: Mark Jones

Phone: 480-759-2958

Email: jonesm1@asme.org

[Before noon Tuesday January 10th](#)

Leave a message with the number in your party, a phone number at which you can be reached and if you are also planning to meet for dinner preceding the meeting.



The most significant development in bearing technology in the last 100 years.

If you have machines that are suffering from troublesome instability problems, this is the place you need to come to learn how to solve your problems. The Bently Externally Pressurized Bearing is now available for your turbo-machinery and can vastly improve rotor dynamic problems without having to shut down your equipment and then physically modify the bearing geometry, seals, blades, rotor or support structure. Mr. Glenn Pouche', P.E. Sales Engineer with Bently Pressurized Bearing Company, Minden Nevada will be our speaker for the evening. With Externally Pressurized Bearing (EPB) technology, machines can now have adjustable rotor dynamic characteristics while "on-line". In other words, the end user can make adjustments to the machine without removing the unit from service and physically modifying the rotor and associated components.



Chair's Message

Greetings to the Arizona Section ASME. I hope everyone had a wonderful holiday with friends and family. As for last month's ASME holiday party, it was an enjoyable event with good food and lots of socializ-

ing. This month we are hosting a technical dinner meeting on bearing design, which should prove to be intellectually stimulating.

I'll leave you with this thought; you'll get a lot more value out of your membership to ASME if you come and participate in ASME activities and inject more "fun and excitement" back into the engineer-

ing programs. These activities also provide a forum for networking, which is critical in today's business environment. So please participate. We can always use fresh new ideas on activities and dinner meeting topics.

Joe Howard

Chair, Arizona Section ASME

New Internship to Promote Participation From Young Engineers

In keeping with one of the main focuses of ASME's Continuity and Change initiative — increasing the number of young engineers among the Society's membership — the Center for Leadership and Diversity's Committee on Internship Programs is introducing the Early Career Leadership Intern Program (ECLIPSE) to help encourage the participation of early career engineers at all levels of the Society.

The Center for Leadership and Diversity is now accepting applications from ASME members for the 2006-07 ECLIPSE internship program.

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 internship program is open to ASME members who have served three to 10 years in the work-

force and have not previously served as a Leadership Development Initiative (LDI) or Minority Leadership Program (MLP) intern.

ECLIPSE is a competitive internship program. Applications are due by Feb. 1, and interns will be selected by March 1. Participants will be matched with a specific ASME unit for a period of one year and

an Early Career Leadership session. Interns also will attend the ASME Congress in November, as well as a training session at the Leadership Training Conference. At the end of the internship period, the Center for Leadership and Diversity will assist ECLIPSE interns in identifying opportunities for continued participation in ASME.

Interns will attend several out-of-town meetings of approximately three days' duration during the internship period. The cost of attending those meetings will be partially covered by ASME in accordance with Society Policy P-4.5. All expense reimbursements are subject to budget limitations. ASME encourages cost sharing of these expenses with the interns' employers.

Additional information on ECLIPSE and the application form are available at www.asme.org/Governance/Volunteer/VOLTAcademy/Early_Career_Leadership.cfm. For more information, contact Marian Heller, director, Center for Leadership and Diversity, at hellerm@asme.org.



Brain Teaser

You have two very hungry termites and two sticks of wood. One stick of wood is 12 inches long and the other is 16 inches long. One termite can eat sticks at the rate of 1 inch every 3 minutes. The other termite can eat 1 inch in 4 minutes. How would you use the termites and sticks to measure 61 minutes?

This month's Brain teaser is brought to you by Braingle.com

total of 61 minutes.
Remove the slow termite and let the fast termite finish off the 3 inches in 9 minutes for a
That's 52 minutes elapsed so far and the slow termite still has 3 inches left on his stick.
the last termite on the other stick. This termite will finish his 12 inch stick in 36 minutes.
Start the 4 inches that will make the sticks the same size. When the sticks are the same size, start
the 4 inches that will make the longer stick. It will take the slow termite 16 minutes to eat

Answer

will work closely with an assigned mentor to complete one or more projects throughout the year.

Internships will begin at the Summer Annual Meeting in June with



Study Finds Most States Not Prepared for Terrorist Attack

Ready or Not? Protecting the Public's Health from Disease, Disasters, and Bioterrorism, 2005, a report released by The Trust for America's Health (TFAH), found that the federal and state governments alike need to be better prepared to deal with the aftermath of a terrorist attack. Twenty-nine states and the District of Columbia achieved five or fewer of the 10 indicators used in the report.

"We need to stop shrugging our shoulders and start rolling up our sleeves," said Lowell Weicker, Jr., TFAH Board President and former three-term U.S. Senator and Governor of Connecticut. "The response to Hurricane Katrina was a sharp indictment of America's emergency response capabilities. This report provides further evidence of the major gap between response 'plans' and 'realities.' We need to get real in our planning for health emergencies."

Among the results of the report are these:

- The Strategic National Stockpile received a C+ grade.
- Federal initiatives including the Cities Readiness Initiative, BioSurveillance activities, pandemic flu planning, and overall management of federal funds and programs received C-grades.
- Coordination among federal agencies, the establishment of measurable goals and directions, BioWatch, and the federal health response to Hurricane Katrina received a grade of D.
- The Smallpox Vaccination Initiative received a D-.

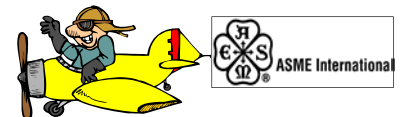
Read the report in its entirety at: <http://healthyamericans.org/reports/bioterror05/>

Engineering Communities of Practice - ASME

3946 Registered Users

ASME's Communities of Practice is an online interaction tool designed with mechanical engineer's needs in mind: links to helpful resources, industry news and, more importantly, solutions and ideas from peers. It's much more than discussion boards, because there are many tools integrated into this site to help Communities of Practice members connect with each other. Access to the Communities of Practice site is open to both members and non-members of ASME.

For more information, go to: <https://cop.asme.org/COP>



4th Annual Engineering R&D Symposium

The 4th Annual Engineering R&D Symposium, scheduled for April 11-12, 2006, in Washington, D.C., will bring together leaders from the science, engineering, and technology (SET) community for an intensive, two-day meeting to gain firsthand knowledge of the administration's R&D priorities and the potential impact of the fiscal year 2007 budget request on the SET community.

For more information Contact: Kathryn Holmesk at holmesk@asme.org.

ASME Leadership Training Conference

This spring's Leadership Training Conference (LTC), scheduled for March 3-5, 2006, at the Wyndham Greenspoint Hotel, Houston, Texas, has been jointly organized by the Knowledge and Community, Institutes, and Centers sectors, through the Volunteer Orientation and Leadership Training (VOLT) academy of ASME. The LTC represents a merger of the Technical Executives Conference (TEC) and Regional Management Training Seminar (MTS) and aims to provide ASME unit (division, section, institute, etc.) leaders and key commit-

tee personnel with an opportunity to share best practices and form partnerships with other units and focus on critical issues important to the success of the Society.

This 2006 LTC is expected to serve as an important benchmark for the future programming and operation of the Knowledge and Community and Institute Sectors of ASME and be a leadership development resource for the entire Society. The Arizona Section of ASME will be sending two representatives to this important conference.

For more information, please visit www.asmeconferences.org/ltc06/ or contact Marian Heller (VOLT) at hellerm@asme.org.



Your Section Executive Committee and Operating Board for '05 -'06

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If we can help you, please feel free to contact us. We look forward to serving the AZ Section members.

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Newsletters are Available on the Arizona Section ASME Web Page



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ASME International

The following has been quoted from the Constitution of the American Society of Mechanical Engineers. Revised to October, 1991.

C5.1.2 The provisions of the Constitution, By-Laws and Policies and Procedures established by the Board of Governors of the Society shall govern the procedure of all components of the Society but no action or obligation of such components shall be considered an action or obligation of the society as a whole. This provision shall be imprinted on any publication issued by such components.

Inside News!

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January, 2006

2005-2006 Calendar of Events

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|--------|---|
| Jan 12 | Bearings -APS Building |
| Feb 7 | Board Meeting -APS Building |
| Feb 9 | Honors & Awards Banquet -TBD |
| Mar 7 | Board Meeting -APS Building |
| Mar 9 | TBD - TBD |
| Apr 4 | Board Meeting -APS Building |
| Apr 13 | TBD - TBD |
| May 2 | Board Meeting -APS Building |
| May 11 | Steak Fry -Pera Club |
| Jun 8 | Planning Meeting -APS Building |

