

## **BILSTEIN**

### **TOUR OF BILSTEIN SHOCKS**

Since their inception over 40 years ago, Bilstein has been a unique and driving force in the automotive suspension industry. Bilstein was first to apply the patented gas pressure principle to control ride characteristics on automobiles and introduced the world's first monotube gas pressure shock absorber. A tour is planned for Bilstein's Western Aftermarket & Motorsports Headquarters in Poway (14102 Stowe Drive) on Thursday, January 13, 2005, starting at 6:00 pm. There is no cost but do RSVP by January 11 to York Lew, [lewy@asme.org](mailto:lewy@asme.org) or 619-696-2946. For directions, check the tour announcement on the Section website.

### **TOUR OF SOUTH BAY POWER PLANT**



A tour of Duke's South Bay Power Plant is scheduled for Friday, January 21, 2005, starting at 1:30 pm. The Plant is a 700 megawatt merchant facility located at 990 Bay Blvd in Chula Vista. There is no cost for the tour but do RSVP by January 19 to Ian Parkinson, [parkinsoni@pbworld.com](mailto:parkinsoni@pbworld.com) or 619-338-9376. For directions and possible lunch before the tour, check the tour announcement on the Section website.

### **NATIONAL ENGINEERS WEEK BANQUET**



Speaker: Larry Dumas, JPL Deputy Director (retired)  
 Friday, February 25, 2005, 6:00 pm to 9:15 pm

2004 was a busy and productive year for the exploration of our solar system, with two spectacular missions of special note--the Mars Exploration Rovers and the Cassini Huygens Mission to Saturn and Titan. Larry N. Dumas, retired Deputy Director of the Jet Propulsion Laboratory (JPL), a position he held for the last nine years of his 39 year career at JPL, will describe the Cassini Huygens missions, the complex robotic spacecrafts that carry them out, and the central role of engineers in the Mission.

The Banquet will be held at University of San Diego (USD)'s Joan Kroc Institute for Peace and Justice, 5998 Alcalá Park, San Diego, CA 92110. Consult [peace.sandiego.edu/directions](http://peace.sandiego.edu/directions) to [ipj.shtml](http://ipj.shtml) for driving and parking directions (on-site, self parking is complimentary).

Send check for \$37.50 per person (\$30 for college students) to be received by February 11, 2005, to Phil Young, ASME / NEW Coordinator, 1328 Emerald Street, San Diego, CA 92109-3044. Make check payable to ASME San Diego Section / Re: 2005 NEW SD Banquet. Please include for each person the full name and meal selection (salmon, chicken, or veggies). Dinner includes one beverage (soft drink, beer, or wine), salad, chocolate mousse dessert, and coffee. After February 11, the cost is \$40 per person and the dinner selection would be Chef's Choice.

For more details such as speaker biography, schedule, and check-in procedure, please consult the Section website.

## Message from the Chair

Special Holiday Greetings to all our Members and Visitors. Welcome. Our Section is a volunteer organization established in 1952 to serve our members and the public in San Diego and Imperial Counties. We are approximately 1000 strong and represent many organizations and companies throughout our territory. We serve to:

- Direct, guide, and coordinate professionals who volunteer their services to support the needs of government, education, and the community.
- Encourage and promote internships for students.
- Enhance, encourage and support all College and University Mechanical Engineering Programs.
- Improve Industrial Relations.
- Form Corporate Alliances to ensure the survival of strategic competition and Annual Scholarship Programs.
- Address and enhance programs such as, but not limited to:
  - HPS (Human Powered Submarine)
  - Solar vehicles
  - FIRST Robotics and FIRST Lego
  - Water bottle rocket competition for all ages

We will continue to present technical programs, arrange tours of interests, and mentor students from kindergarten through college levels. We draw upon the resources of our local Section, our Region (IX), and, of course, ASME International to fulfill our objectives.

**Louis Berlin**

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### **Personnel News**

*Congratulations to NIP SHAH, who was recently elected a Fellow of ASME! Nip has been an active volunteer in our Section for many years, having served as Chair and other positions. Nip is the driving force behind the Human Powered Submarine Contest sponsored by our Section.*

*We are saddened to say goodbye to MIKE WOODMANSEE, who is moving to Houston and then Brazil. Mike jumped in head first and helped our Section by serving as the Secretary, arranging tours, and setting up the Community of Practice for our Section. We will miss him and wish him the best in his new endeavors.*

*IAN PARKINSON was appointed Secretary to serve the remaining term vacated by Mike Woodmansee.*

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### **ASME Community of Practice**

Where can you go to get the latest ASME San Diego section information? Where can you go to share your ideas with other San Diego mechanical engineers and engineering students without having to leave the comfort of your own home? In the ASME San Diego Community of Practice (COP), that's where! So, come on down to [cop.asme.org/COP/ASMESanDiego](http://cop.asme.org/COP/ASMESanDiego) and say hi. C'mon, it's what all the "cool" engineers are doing! See you there.

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, to solutions and ideas from peers. It's much more than discussion boards, because there are many tools integrated into the 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.

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### **Help Wanted**

Parsons Brinckerhoff is looking for a Mechanical Engineer with High-Rise experience and a Marine (Oceanic) Engineer. For details, contact Louis Berlin, Program Manager, 619-525-8382.

## Tours and Meetings Report

### Mentoring Night at SDSU

Thank you to the 5 mentors that participated in the mentoring night on November 30 at SDSU. All 22 students appreciated your insights and advice about the real engineering world. The food was excellent. The silent auction was a success. The student leaders did an outstanding job in organizing the event and obtaining items for the auction. Thank you to the companies that donated gifts or services for the auction.

### Taylor Guitars Tour

About 15 members, students, and guests toured the Taylor Guitars factory on December 3. A guitar's journey from received wood to finished product was traced. If you missed our ASME group tour, you can attend any other tours which are conducted every day at 1 pm sharp.

### College Student News

#### SDSU

The students continue to work on several projects: the mini-Baja car for the race near Tucson, the Challenge X Vehicle Design Competition, and Human Powered Vehicle. If you or your company can donate materials, services, or funds for any of the projects, please contact Michael Cacciotti, the SDSU ASME Student Section Chair, MECacciotti@yahoo.com.

#### USD

An ASME Student Section has been approved and formed. Look out, SDSU and UCSD, here comes USD. If you want to be kept abreast of the progress of the program, contact Dr. Frank Jacobitz, jacobitz@sandiego.edu.



### Celebrating 125 Years of ASME

Log onto [www.asme.org/anniversary](http://www.asme.org/anniversary) for up-to-date information on events for ASME's 125<sup>th</sup> anniversary. Events that are scheduled to take place in 2005 so far:

- **Founders Day: February 16, Wednesday**
- **Boiler Code Day: March 12, Saturday**
- **Heritage Day: April 7, Thursday**

Other events slated to take place during 2005 include landmark designations for William Seller's Screw Threads at the Franklin Institute in Philadelphia and the Model-T at the Henry Ford Museum in Dearborn.

### *San Diego Section Contacts:*

#### *Chair:*

**Louis Berlin**  
619-525-8382  
berlinl@pbworld.com

#### *Vice Chair:*

**Katherine Flores**  
858-513-8163  
KFlores@TecateGroup.com

#### *Treasurer:*

**Tom Frankie**  
858-481-1785  
tfrankie@ms.net

#### *Secretary:*

**Ian Parkinson**  
619-338-9376  
parkinsoni@pbworld.com

#### *Immediate Past Chair:*

**David Padgett**  
760-930-3332  
dpadgett@asymtek.com

#### *Nominating Committee Chair:*

**Phil Young**  
858-627-6376  
youngp@asme.org

#### *5 Directors:*

**Phil Young** (03-05)  
See above

**Eric Ostrowski** (03-05)  
858-480-7219  
nostromo35@cox.net

**Nip Shah** (03-05)  
858-627-6251  
nip.shah@hs.utc.com

**Ian Parkinson** (10/04-6/05)  
See above

**York Lew** (9/04-6/05)  
619-696-2946  
lewy@asme.org

#### *College Relations:*

**Nip Shah**  
See above

#### *Government Relations:*

**Bob Batten**  
battenr@asme.org

#### *Tours*

**Ron Miely**  
949-476-7800  
ronmiely@peaktechnical.com

#### *Newsletter Ed / Webmaster:*

**York Lew**  
See above

#### *Honors and Awards:*

**David Hill**  
619-540-1778  
davidhill@nctimes.net

*Open positions: Programs,  
K-12 Relations, Member  
Interests, Membership  
Development, Professional  
Development, Diversity and  
Outreach, et al.*



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The American Society of Mechanical Engineers  
San Diego Section Newsletter  
Editor  
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San Diego CA 92129

**Article C5.1.2**

The following has been quoted from the constitution of the American Society of Mechanical Engineers, current as March 15, 2003:

C5.1.2: The provisions of the Constitution and By-Laws and Society Policies established by the Board of Governors of the Society shall govern the procedure of all units of the Society but no action or obligation of such units shall be considered an action or obligation of the Society as a whole.

**DATED MATERIAL**



Monthly Planning Meetings are typically held on the first Wednesday of the month (except July) from 5:30 pm to 6:30 pm at the Hamilton Sundstrand office in Kearny Mesa (4400 Ruffin Road). All members are invited to attend. Please do contact Louis Berlin at sandiego@asme.org or 619-525-8382 to confirm the date if you plan to attend or if you would like to address the Executive Committee (because the building is secured and because the agenda is typically tight to keep the meeting duration to one hour).

**2004-05 CALENDAR**

(Please check our website for updates and more details.)

Jan 13	Tour of Bilstein Shocks in Poway
Jan 21	Tour of South Bay Power Plant in Chula Vista
Feb 25	National Engineers Week Banquet
Mar xx	"Old vs New Flight Technology" Brunch and Presentation
Mar 16	Judging at Science Fair, Balboa Park
Apr xx	Water Bottle Rocket Launch
May xx	Annual Section Awards Banquet
Apr xx	Judging of UCSD student papers
Jun xx	Judging of SDSU Senior Design Projects

**LINKS**

Here are several useful websites for ASME-San Diego Section members (please note the new URLs):

- ASME San Diego Section: [sections.asme.org/sandiego](http://sections.asme.org/sandiego)
- ASME Region IX (California, Nevada, and Hawaii): [regions.asme.org/regionix](http://regions.asme.org/regionix)
- ASME Western Field Office (Regions VIII, IX, and XII): [regions.asme.org/wro](http://regions.asme.org/wro)
- ASME International: [www.asme.org](http://www.asme.org)