



**ASME International**

San Diego Section  
American Society of Mechanical Engineers

# Newsletter

VOLUME 10 No. 5

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[www.asme.org/sections/sd](http://www.asme.org/sections/sd)

## WATER BOTTLE ROCKET LAUNCH

Our Section is again proud to host the Water Bottle Rocket Launch. This year's event is being held on Saturday, April 24, at Fiesta Island in Mission Bay, from 10:00 am until 2:00 pm.

In conjunction with the Jamul Chaparros 4-H Club, all of the rocket launching equipment and helpers will be provided. You can build your rockets then and there with empty bottles (donated by Coca Cola Bottling) or you can bring the rockets that you already built. For details on building water bottle rockets, refer to [www.asme.org/sections/sd/waterrocket.htm](http://www.asme.org/sections/sd/waterrocket.htm). Plain 2-

liter bottles can also be launched. Everyone will have an opportunity to make several launches and to modify their rocket design and/or propellant ratio to optimize rocket performance.

This free event is open to the whole family. Anyone who would like to participate can. Snacks and soda will be provided. Hope to see you there on April 24!

RSVP by April 19 to Bryan Archibald ([bdarchibald@beckman.com](mailto:bdarchibald@beckman.com) or 760-438-6410).

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**IMPLANT TECHNOLOGY**

Medical implant technology has made many advances. Brian Cornwall, VP of Research and Development for NuVasive, Inc. will present details on the mechanical design and technology behind joint implants. Hands on samples will be displayed. This presentation is scheduled for Wednesday, April 28, at 6:00 pm. The location is either at the NuVasive office in Scripps Ranch or TBD. Sandwiches/pizza and soft drinks will be provided at a cost of <\$7. (Check our website for updates.) RSVP to David Padgett ([sandiego@asme.org](mailto:sandiego@asme.org) or 760-930-3332).

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**ANNUAL AWARDS BANQUET**

This annual end-of-year event is the opportunity to honor and recognize: the recent Science Fair winners, the UCSD Mechanical Engineering student paper winners, the 25-yr and 50-yr ASME members, two special awards, and your local volunteers. The banquet will be held on Friday, May 7, at Tom Ham's Lighthouse in Harbor Island.

The Science Fair winners will display their winning projects and would be available for discussion.

The schedule of the evening's events is as follows:

- 6:00-6:45 Social Hour and Display of Science Fair Projects
- 6:45-7:30 Buffet Dinner

- 7:30-7:35 Science Fair Winners
- 7:35-7:50 25- and 50-yr Members
- 7:50-8:00 Special Awards
- 8:00-8:10 Section Volunteers
- 8:15-9:00 UCSD Student Paper Presentations

The Awards Banquet is the culminating event of our year and should not be missed. Please join us in honoring our retired, current, and future engineers.

Turn page for reservation and other details.==>

## Message from the Chair

This year has been an active one for the section. There have been many great activities and participation has been excellent. I believe the variety of activities have reached a broad range of engineers in our section. The upcoming discussion on implant technology should be very interesting and I am looking forward to a good turnout with lots of questions for our guest speaker. To close out the year, reserve your space at the annual banquet now. I look forward to seeing you all in the upcoming months!

**David Padgett, Chair**

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## Nominations and Elections

*The following have been nominated to serve as Executive Committee Members for the 2004-2005 Society fiscal year:*

*Vice Chair: Katherine Flores  
Treasurer: Tom Frankie  
Secretary: Mike Woodmansee*

*Other elected positions available include: Chair, 1 Director, and 3 Nominating Committee members. Contact Dave Padgett, current Chair, if you are interested in these positions and are willing to work in a team environment. Nominations by petition are accepted until April 12. The ballot will be mailed with the next newsletter.*

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## ASME International Events in San Diego

Two ASME International events are planned for San Diego: The Summer Annual Meeting (SAM) June 6 – 10 and the Pressure Vessels and Piping (PVP) Conference July 25 – 29. Both events will be held at the Hyatt Regency Hotel in La Jolla.

The Summer Annual Meeting is the turning point of the Society's administrative year. Incoming officers are inaugurated and retiring officers are acknowledged for their past efforts. Members of the Society convene throughout the week to nominate next year's officers and to discuss the affairs of the Society. For details, visit [www.asmeconferences.org/sam04/](http://www.asmeconferences.org/sam04/).

For the PVP Conference, more than 150 paper and panel sessions are planned, as well as tutorials, NDE and software demonstrations, and a student paper competition. The PVP Conference is a great place to meet colleagues as advanced PVP technologies are presented to address present and emerging challenges in the industry. This Conference is co-sponsored by the Japanese Society of Mechanical Engineers (JSME). For details, visit [www.asmeconferences.org/pvp04/](http://www.asmeconferences.org/pvp04/).

Members should take advantage of the proximity of the SAM and attend to observe first hand the business workings of ASME International.

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### ANNUAL BANQUET DETAILS

**When:** Friday, May 7, 2004, 6:00--9:00 pm  
**Where:** Tom Ham's Lighthouse, Harbor Island  
**Cost:** Complimentary for invited guests of honor. For the first 25 reservations, \$15 for members and non-members and \$10 for college student members. After the first 25 reservations, \$20 for members and non-members and \$15 for college student members. (Our Section is subsidizing everyone.)  
**Menu:** Buffet dinner consisting of Salad Bar (Caesar salad, green salad, bean salad, potato salad, Waldorf salad, pasta salad, and fruit salad), Roast Beef, Seafood, Pasta Primavera, Rice, Vegetable, Bread, Beverages, and Dessert.  
**RSVP:** by Monday, May 3, 2004, to York Lew ([lewy@asme.org](mailto:lewy@asme.org) or 619-696-2946)

## Tours and Meetings Report

### **Decommissioning of San Onofre Unit 1**

67 ASME members and guests attended the tour on December 13. The tour guides were great. Many people stayed afterwards to see the simulator. We thank San Onofre Nuclear Generating Station for taking their time to show us the facilities and for sharing the food costs with us.

### **Sea World Tour**

The technical behind-the-scenes tour of Sea World on January 17 was a great success. 52 ASME members, friends, and family attended the event which included a technical overview of the water purification systems followed by a tour of areas of the park which are normally off limits to visitors. The walking tour included training of the killer whales; care and behavior of sea turtles; and treatment of young, sick, or rescued animals in the veterinary facility. Free time in the park was enjoyed until the Shamu show at the end of the day, for which special VIP reserved seating was made available to tour attendees. Sincere thanks go to Kate Shannon in the Sea World education department and to Mike Woodmansee for actively coordinating this excellent event.

### **IDEC Biogen Clinical Operation**

Approximately 25 people attended the tour and stayed for pizza and technical presentation/discussion on February 19. Thanks go to Ron Miely for coordinating this tour. A tour of the drug manufacturing facility is planned when it is finished.

## **Help Wanted – HPS2004**



Our Section, in conjunction with IEEE's Oceanic Engineering Society, is again sponsoring the 2004 Human Power Submarine Contest planned for July 28 through August 1. The races will be held at the Offshore Modeling Basin in Escondido. Sponsors and volunteers are needed. Visit the website ([www.asme.org/sections/sd/hps2004.htm](http://www.asme.org/sections/sd/hps2004.htm)) for rules, registration forms, sponsors package, pictures and results from HPS2002, and more. Contact Nip Shah (contact info at right) if you or your organization can help in any capacity.

## **College Student News**

### UCSD

The judging of the senior projects is scheduled in June. If you are interested in knowing the state of engineering at the university level, be a judge and find out! Contact David Padgett at [sandiego@asme.org](mailto:sandiego@asme.org) or (w) 760-930-3332 if you can help.

### SDSU

On March 11 a mentoring night at SDSU was held to allow students to mingle with engineers to learn about the real world. We thank the mentors and students that participated. Thanks to Matt Cross for organizing the event.

The judging of senior papers will likely be in May. Contact David Padgett at [sandiego@asme.org](mailto:sandiego@asme.org) or (w) 760-930-3332 if you can be a judge.

### **San Diego Section Contacts:**

*Chair:*

**David Padgett**  
760-930-3332  
[dpadgett@asymtek.com](mailto:dpadgett@asymtek.com)

*Vice Chair:*

**Katherine Flores**  
858-513-8163  
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*Treasurer:*

**Tom Frankie**  
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*Secretary:*

**Mike Woodmansee**  
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*Immediate Past Chair:*

**York Lew**  
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*Tours*

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*Newsletter Editor:*

**York Lew**  
see above

*Web Master:*

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*Honors and Awards:*

**David Hill**  
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*3 Directors (2003-05):*

**Phil Young**  
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**Eric Ostrowski**

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**Nip Shah**

see above

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



**ASME International**

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**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. All members are invited to attend. Please do contact David Padgett at (w) 760-930-3332 or sandiego@asme.org, 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 CALENDAR**

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

Apr 24	Water Bottle Rocket Launch Family Day
Apr 28	NuVasive Implant Technology Presentation
May 7	Annual Awards Banquet
May xx	Tour
May xx	Judging of SDSU student papers
Jun xx	Judging of UCSD Senior Design Projects
Jun 6-10	ASME Summer Annual Meeting
Jul 25-29	ASME Pressure Vessels and Piping Conference

**LINKS**

*Here are several useful websites for ASME-San Diego Section members:*

*ASME San Diego Section: [www.asme.org/sections/sd](http://www.asme.org/sections/sd)*

*ASME Region IX (California, Nevada, and Hawaii):*

*[www.asme.org/regions/regionix](http://www.asme.org/regions/regionix)*

*ASME Western Field Office (Regions VIII, IX, and XII):*

*[www.asme.org/regions/wro](http://www.asme.org/regions/wro)*

*ASME International: [www.asme.org](http://www.asme.org)*