

Chair's Message to the Membership



We at ASME San Diego want to hear from you. Do you have an idea for a program you think ASME should address? Or how you think we can serve better? Email me at bell.metallurgy@gmail.com

Upcoming Events:

2019 National Engineers Week Banquet, San Diego, Friday, February 22, 2019

Greater San Diego Engineering and Science Fair Judging, Wednesday, March 13, 2019

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In Memoriam

Robert G. "Bob" Thompson, Fellow

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Informational Items (No endorsement is expressed nor implied)

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2019 Engineers Week Awards Banquet

Friday, February 22, 2019, 6:00–9:15 pm

Crowne Plaza Hotel, 2270 Hotel Circle North, San Diego, CA 92108



Keynote Speaker: Kevin Hardy, Founder, Global Ocean Design

Topic: “San Diego's Astounding History of Exploration”

(Our sleepy little beach town called San Diego has been a powerhouse of invention. From building flying machines and rockets that put the first American into orbit, to achieving breakthroughs in undersea habitats and deep diving technology, to putting a camera into Mars orbit. We've predicted critical surf conditions during the Normandy WWII D-Day landing and helped advance understanding of the human genome.)

Kevin Hardy is a 40-year career ocean engineer who retired from the Scripps Institution of Oceanography / UC San Diego in 2011. He led a team into the Guinness Book of Records with his unmanned landers that reached the absolute deepest point in the Challenger Deep of the Mariana Trench. Hardy was recognized with an Honorary Doctorate of Science degree from the Shanghai Ocean University, the first in that institution's 106-year history. Hardy remains active in deep ocean technology with his company, Global Ocean Design.

Through the Marine Technology Society (MTS), Hardy is also known for his many contributions to educational outreach including K-8 curriculum, high school and undergraduate design challenges, and professional level tutorials common at MTS and IEEE conferences.

Schedule:

6:00 pm:	Reception and No Host Bar in the Lobby
7:00 pm:	Banquet and Welcoming Address
7:45 pm:	President's Address
7:50 pm:	Awards Presentations
8:15 pm:	Keynote Address
9:00 pm	Closing Comments

Choice of dinner entrée: chicken, fish, or vegetarian selection. Includes salad, dessert, and tea / coffee / water.

Cost is \$55 per person but goes up to \$65 on February 9, 2019

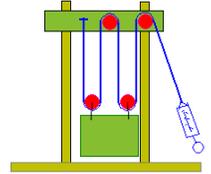
RSVP ONLINE:

<https://www.eventbrite.com/e/2019-engineers-week-san-diego-awards-banquet-individual-rsvp-tickets-49201038631>

Calling All Judges!



Do you want to know the potentials of our future engineers and scientists? Then be a judge at the 65th Annual Greater San Diego Science and Engineering Fair, Wednesday, March 13, 2019, at the Balboa Park Activity Center (northeast corner of Park Blvd and Inspiration Point Way), from 12:30 pm to ~2:30 pm. Contact David Hill (cell phone 619-540-1778 or dashill45411@gmail.com) for details.



A mission of the San Diego ASME Section is to promote activities that enhance the knowledge and opportunities for our local Mechanical Engineering members. One of the on-going areas of activity is to work with the three local university Mechanical Engineering programs. There currently are two volunteer opportunities to get involved and directly interact with the student population, our annual Mentor Night and Judging Student Projects.

Mentor Night – Each year, section members meet with university students in small group and one-on-one conversations to answer their questions. These typically are centered around seeking guidance in obtaining a job or internship, early career development, challenges of a young engineering professional, and the benefits of advanced degrees. The investment in time is relatively small, about 2-hours, and the only requirement is to engage with the students and share some of your professional experience and wisdom.

Student Project Judging – Our local universities have senior capstone project classes that culminate in typically poster board presentations. Your ASME section provides member judges to evaluate the projects and award cash prizes for the top projects. There are volunteer opportunities to become a judge and help evaluate the projects. The time investment is minimal, 2-3 hours, but the opportunity to evaluate the projects and interact with the student project teams is invaluable.

The opportunities are totally on a volunteer basis. The names of interested volunteers are collected and when opportunities arise, potential volunteers will be contacted. These events are easy and fun and provide a valuable way for ASME members to give back to our young Mechanical Engineers in a meaningful way. If interested, please contact Ken Kubarych, ken.kubarych@gmail.com, for further information and inclusion to the potential volunteer lists.

IN MEMORIAM

Robert G. “Bob” Thompson, Fellow
1938-2018



Robert G. “Bob” Thompson of San Diego, California, passed away at the age of 80 years on October 28, 2018. He was born in Vancouver, Canada.

Upon graduating in 1961 with a Mechanical Engineering degree from the University of British Columbia, he married Betty Stell. They moved to Montreal, Canada, where Robert began his engineering career at Canadian Pratt & Whitney. He also continued his studies to earn a Mechanical Engineering Diploma from McGill University

When an opportunity came to move closer to their parents, he moved his family to Los Angeles, where he worked in Torrance for Garrett Corporation, and in Irvine for Airco Cryogenics, Inc., and then for his own consulting company, all the while being an active member of the American Society of Mechanical Engineers.

In 1985 he accepted a challenging position at Hamilton Sundstrand in San Diego.

There, he continued his membership in the ASME, becoming a Life Fellow. He retired from that company, now United Technologies, Inc., in 2003. He continued to do consulting engineering work from home until 2013.

In case you missed it...

Section Awards Banquet



Section Awards Banquet (cont)



The following announcement is for information only. No endorsement is expressed nor implied.



The San Diego SolidWorks User Group (<http://www.sdswug.org>) meets monthly to provide an easy way for users to exchange ideas, get answers to problems, and learn more about SolidWorks and its partner applications. Meetings are held on the second Wednesday of each month at 7:00 pm. Everyone is welcome. There are no dues. Just show up at 15905 Pomerado Road, Poway, CA 92064 (Temple Adat Shalom). Arrive around 6:30 pm and enjoy pizza and soft drinks courtesy of the sponsors. Mingle with others until the meeting starts.

The announcement above is for information only. No endorsement is expressed nor implied.

University News

(Visit each student section's website for more details.)



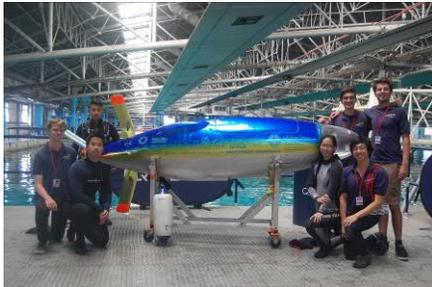
<http://sdsuasme.weebly.com>

Meet the officers, learn of projects, and attend their events.



<http://asme.ucsd.edu>

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The UCSD Human Powered Submarine, Vaquita, competed in the European International Submarine Races for the first time in July 2018. There were 11 other teams from around the world. The races were held at the Qinetiq Ocean Basin in Gosport, England. The race course was made up of a straight away with a timing trap, a turn, and back through a slalom course.

Vaquita placed 7th out of the 12 submarines. The performance and reliability of the submarine were severely impacted by a poor choice in buoyancy foam. However, Vaquita was also awarded the Most Unusual Design Award. The team plans to compete in the submarine races in Maryland this summer. The team will likely reuse the same hull and focus on building a stronger team and improving existing systems



<http://www.sandiego.edu/engineering/current/organizations/asme.php>

Membership Benefit



AccessEngineering's 600+ titles include renowned engineering handbooks such as: Marks' (mechanical) and Perry's (chemical), and disciplines in civil engineering, electrical engineering, energy, materials, environmental, operational management, and many others. Also includes faculty-made instructional videos, downloadable calculators, interactive tables and graphs, and student study guides. And it is still FREE to ASME members.

To learn more, visit <http://accessengineeringlibrary.com/>

Group Leadership Team Meetings



The meetings are open to the public and are held monthly (except summer months).

Members are encouraged to attend and get involved! Please contact a team member for date/venue or changes.

2019 CALENDAR

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

Feb 22	National Engineers Week Banquet
Mar 13	Science and Engineering Fair Judging
Apr 26	Annual San Diego Section Awards Banquet
TBD	"Nip Shah" Water Bottle Rocket Launch

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Water Bottle Rocket

k-12 Program

Other positions available.

What is your interest?

Can you spare a few HOURS each YEAR?

ASME Constitution Article 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.