



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 us at sandiego.asme@gmail.com

Chair's Message to the Membership



Time is precious. Evenings are dear. Our ASME activities are intended to help you professionally. Here is an opportunity to gain knowledge and meet the right people in industry. This month's meeting and lab tour will be on bolting, fasteners, and associate problems. We have set the time up for people to become better engineers without having to travel or incur large class fees for some great, practical knowledge from experts.

You can also come to a Group Leadership Meeting. We are always looking for ideas to add value to your membership. If you can't attend in person, you can always contact me by email: bell.metallurgy@gmail.com

Upcoming Events:

Tour of Carver Engineering and Manufacturing's FACT (Fastening Applications, Consulting and Training) Center,
Thursday, January 28, 6 pm, El Cajon
National Engineers Week Banquet, Friday, February 26, San Diego Air & Space Museum, Balboa Park

In Case You Missed It

DOE's Solar Decathlon
Mentor Nights at USD and UCSD
Tour of the General Atomics Magnet Technologies Center

Informational Items (No endorsement is expressed nor implied)

San Diego Solid Works Users Group



You are invited to attend a tour of Carver Engineering and Manufacturing, specifically their FACT Center (Fastening Applications, Consulting and Training Center). The FACT Center serves the fastener supplier and user in all aspects of fastening technology. This casual meeting will explore some of the most important knowledge base areas for anyone who uses or designs with threaded fasteners.



The presentation and Q and A will include:

- ❖ Fasteners Materials
- ❖ Understanding Torque Tension
- ❖ Plating, Coating, and Corrosion
- ❖ Fastener Failure Investigation
- ❖ Fastener Testing and Laboratory Test Reports
- ❖ The Most Important ASME Fastener Standards, and
- ❖ Resources for Fastener Technical Information.

There will be hands on demonstrations of Torque-Tension Testing, Hydrogen Embrittlement Testing, Thread Measurement, and Structural Bolt Assembly Lot Testing. You are encouraged to bring real life bolting and fastener problems and examples.

Date/Time: Thursday, January 28, 2016, 6:00 pm

Address: 1920 Cordell Court, Suite 101, El Cajon, 92020

Meal: \$10 at the door (from Phil's BBQ, vegetarian entrees available with advance notice)

RSVP: by 6 pm on Friday, January 22, online (preferred) at <https://goo.gl/9rQtjG>. For questions email sandiego.asme@gmail.com. Space is limited--first come first served.

Presenter: Carmen Vertullo is a fastener consultant and trainer and founder of Carver Consulting and the FACT Center. He is a lead trainer with the Fastener Training Institute (FTI)[®] and has developed and presented fastener training programs for associations, suppliers, and end users throughout the United States. Mr. Vertullo holds a BS in Manufacturing Engineering and is a member of the ASTM International Technical Committee F16 on Fasteners.

Raffle: We will be raffling off very nice books on Fasteners and Bolting Engineering. Each \$10 paid registration will receive 1 raffle ticket. More can be purchased for \$5 each. No limit on ticket purchases. You must be present to win.

Here are the books and their values:

- 9th Edition INCH FASTENER STANDARDS (2014), Value \$345.00
- IFI Torque book For Fasteners – 2 each, Value \$50.00
- IFI Fastener Technology Handbook -- 2 each, Value \$100.00
- Mechanical Fastening and Joining by Bengt Blendulf, -- 2 each, Value \$125.00
- IFI Technical Bulletin – The Critical Fastener Facts Every Fastener Supplier and User Should Know – PDF emailed to all attendees as requested.

Note: This is a manufacturing environment. Loose clothing, open toed shoes, high heels, and shorts are discouraged.

www.new-sandiego.org

HOST: The San Diego County Engineering Council
Friday, February 26, 2016, 5:00–9:30 pm
San Diego Air & Space Museum, Balboa Park
2001 Pan American Plaza, San Diego, CA 92101



Keynote Speaker: Dr. Richard Hallion

Topic: “Technological Invention and Innovation: A Selective Review”
(The talk will address the role of the engineer since the Industrial Revolution and offer a forecast for the future.)

Dr. Hallion received his BA and PhD degrees from the University of Maryland in the 1970s. In 1993 he graduated from Harvard University’s National Security Studies Program for Senior Executives. Throughout his long and illustrious career, Dr. Hallion has held numerous positions including:

- Curator of Science and Technology for the National Air and Space Museum
- NASA Contract Historian
- Air Force Historian at Edwards AFB; Wright Patterson AFB; Andrews AFB; and the Pentagon
- Special Advisor for Airspace Technology to the Air Force Chief Scientist
- Research Associate in Aeronautics, National Air and Space Museum, Smithsonian Institution

Dr. Hallion has published a diverse variety of books, articles, and essays related to his profession and his areas of expertise. In addition, he is a Fellow of AIAA, RAes, and the Royal Historical Society, as well as being a member of various military, defense and historical societies.

Schedule:

5:00-7:00 pm:	Tour of the Museum
6:00-7:00 pm:	No Host Reception in the Lobby
7:00 pm:	Banquet
8:00-8:30 pm:	Awards Presentations
8:30-9:15 pm:	Keynote Speaker

Dinner is buffet style and includes fish, chicken, and vegetarian selections.

Cost is \$50 per person but goes up to \$60 per person after February 8, 2016.

RSVP:

Phil Young, 1328 Emerald St, San Diego, CA 92109, youngp@asme.org
Make check payable to: ASME-San Diego Section
Please include your name, phone number, and email address.



Several members carpoled to the US Department of Energy Solar Decathlon in Irvine on October 16. They toured 14 houses (approx. 1,000 sq ft in size) from US and international universities built with a variety of advanced solar and energy saving technologies. One house is even hurricane resilient.

(Photos courtesy of Phil Young)



The turnout for both the mentor nights at USD and UCSD was excellent with about 40 students/mentors mingling throughout the evening.



The tour of the General Atomics Magnet Technologies Center in Poway attracted over 40 members. It was most informative and inspiring. Unfortunately no pictures were allowed.

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 11211 Sorrento Valley Road, Suites F & G, San Diego, 92121. 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.)



sdsuasme.weebly.com

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



asme.ucsd.edu



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

Membership Benefit



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

Group Leadership Team Meetings



The monthly meetings are usually held on the first Thursdays (except summer months) at the Ansir Innovation Center, 4685 Convoy St. #210, San Diego, 92111. The Ansir Innovation Center is a private company that provides affordable office space and a sense of community for startups in the San Diego area. They have generously offered free use of their nicely appointed facilities for our meetings.

All meetings are held from 5:30 to 6:30 pm and are open to the public. Members are encouraged to attend and get involved! Please do check with the Chair for possible date/venue changes.

2016 CALENDAR

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

2/4, 3/3, 4/7, 5/5, 6/2	Group Leadership Team Meeting
Jan 28	Tour of Carver Engineering and Manufacturing's Fastener Application, Consulting, and Training Center
Feb 26	National Engineers Week Banquet
Mar 16	Judging at Science & Engineering Fair
Apr 22	San Diego Section Awards Banquet

San Diego Section 2015-16 Contacts:

Chair:
Mark Bell
209-367-1398
bell.metallurgy@gmail.com

Vice Chair:
Open

Treasurer/Webmaster/Newsletter Editor:
York Lew
lewy@asme.org

Secretary:
Steve Zawadzki
858-278-0946
s.zawadzki@earthlink.net

Immediate Past Chair:
Keith Frankie
keithfrankie@asme.org

Nominating Committee Chair/SDCEC Rep:

Phil Young
youngp@asme.org

Directors (until 6/30/16):
Ken Kubarych
ken.kubarych@gmail.com

Nip Shah
nipshah@gmail.com

Directors (until 6/30/17)
John Corrado
johnr_c@msn.com

Tom Frankie
t.frankie@att.net

James Powell
James1024512@gmail.com

College Relations:
Ken Kubarych
email address above

Professional Development:
James Powell
email address above

Honors and Awards:
David Hill
619-540-1778
dhill@trcsolutions.com

Water Bottle Rocket
Nip Shah
email address above

k-12 Program
Nip Shah
email address above

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.