

## We Want Your FEEDBACK

We at ASME San Diego want to hear from you. Do you have a suggestion for a program you think ASME should address? Or how you think we can serve better? Email us at [sandiego.asme@gmail.com](mailto:sandiego.asme@gmail.com)

### Chair's Message to the Membership



What goes on at ASME SD's monthly executive meetings you ask? Business is the answer, and lots of it. Some of it makes the newsletter in the form of an announcement (for example the one-day FEA course to be offered in January), but some of it only makes the meeting minutes. Here are some examples from our November meeting:

We'd love to have more mentors for next Saturday's 'Inspire Innovation Workshop' for local teachers. Sure there's the same flyer here in this newsletter as there was last month, but you don't know that 40 teachers have signed up and more ASME mentors would really be a big help for the program. (So sign up now!)

We've already finished our advertising for the Navy submarine tour (to see a Los Angeles class nuclear sub), but the planning has continued. The original tour was postponed due to the government shutdown. Most people who signed up early enough for the original tour are now going on Saturday November 16. We're working on a second tour in December for those on the waitlist.

A representative from AIAA came by to talk about collaborative events. We learned a lot about this other local professional organization. They have around 300 members, and keep a pretty active schedule, including tours and talks. They have a fresh new website - <http://www.aiaa-sd.org/>

We're working on a generic ASME SD business card that can be handed out at engineering events to advertise our section.

At our next executive meeting NeoTech, a local high school FIRST robotics team will make a presentation.

There's a lot to talk about! If you're interested in getting more involved these meetings are the place to do it. Our next meeting is 5:30 Tuesday December 3rd at the Serra Mesa library.

### Keep Reading For:

#### Upcoming Event:

ASME IMECE, November 15-21, 2013; Volunteers, Honorees, ...  
One-day Finite Element Analysis Course, January 18, 2014 (more details next month)

#### Recent Activities Report:

The two planned events (submarine tour and happy hour) were canceled ☹

#### Informational Items (No endorsement is expressed nor implied)

Two Openings for Mechanical Engineers (City of San Diego)  
San Diego Solid Works Users Group  
ASM International Event



# INSPIRE INNOVATION WORKSHOP: ENGINEERING IN THE K-12 CLASSROOM

Join ASME for A FREE Hands-On Workshop for K-12 Teachers and Engineers

**SAN DIEGO  
ENGINEER  
VOLUNTEERS  
NEEDED!**

**At Reuben H. Fleet Science Center  
Balboa Park, 1875 El Prado, San Diego  
Saturday, November 16, 2013  
9:00 AM – 12:00 Noon**

*Featuring hands-on classroom activities developed by educators and engineers!  
This workshop allows teachers in grades 4-8 to work with engineers to bring the "E" in STEM\*  
to life for students (\*Science, Technology, Engineering and Math).  
Groups of teachers will be matched with engineers to work on hands-on engineering  
design with applications for math, science and social studies classes.*

**ENGINEER VOLUNTEERS NEEDED for this  
Saturday workshop, to work with area Teachers  
on Engineering Design activities for their  
classrooms.**

**Please sign up to help with this interactive  
ASME workshop for teachers!  
Contact Fernando Martinez:  
fmartinez@asme.org 858.208.8570**

**Fun and Creative Activities Include "Balloon  
Blast" – balloon-powered engineering design!**

- **NGSS Standards-ready material** will include concepts and activities in Physical Science and Math
- **FREE Guidance and Career info** for students, including presentations
- Teachers will receive **FREE Instructional Materials**, including lesson plans and DVDs for classroom use!



**Please RSVP to the ASME San Diego contact for this event,  
Fernando Martinez at [fmartinez@asme.org](mailto:fmartinez@asme.org) 858.208.8570**

**Questions? Please contact Edie Ervin, ASME Manager,  
Pre-College Education [ervine@asme.org](mailto:ervine@asme.org) 212.591.7091**

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

## Student Leadership Training Conference



Leaders of ASME student sections are meeting in San Diego for the Student Leadership Training Conference. This multi day event will help teach attendees the leadership and organizational management skills they need for their roles in ASME and their future careers.

The organizers are looking for mentors willing to share with the students at a meal-time mixer from 12:00 - 1:00 on Saturday, November 16, 2013, at the Manchester Grand Hyatt downtown.

Contact Keith Frankie (<mailto:keithfrankie@asme.org>) to volunteer.





The annual ASME International Mechanical Engineering Congress and Exposition is a premier global conference that focuses on today's technical challenges, research updates, and breakthrough innovations that are shaping the future of engineering. The Congress convenes engineers, scientists, and technologists of all disciplines for the purposes of exploring solutions to global challenges and for the advancement of engineering excellence worldwide.

NEW Congress feature: Advanced Manufacturing Impact Forum



Leaders from industry, government, and academia will participate in the ASME Advanced Manufacturing Impact Forum on November 18. The one-day forum will facilitate discussion on advanced technology and policy; new opportunities created by public and private partnerships, U.S. Government initiatives through organizations like the National Additive Manufacturing Innovation Institute and the National Network for Manufacturing Innovation, and implications for the future of standards creation among other topics.



At the Honors Assembly this year two of our Section members will be recognized for their achievements:



**Sia Nemat-Nasser, Ph.D., ASME Fellow**  
[ASME Medal](#)

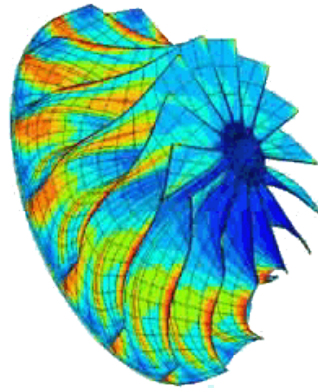
For creating micro-architected composites to mitigate shock-wave induced traumatic brain injury; metamaterials to redirect, attenuate and manage stress waves; and original comprehensive models of deformation and failure of metallic structures with application to metal forming and failure prevention; and for excellent contributions in promoting ASME's Materials Division.



**Sidney A. Bernsen, Ph.D., ASME Fellow**  
[Melvin R. Green Codes & Standards Medal](#)

For distinguished leadership and professionalism in the development, advancement, promotion and acceptance of ASME codes and standards; and for pioneering efforts in the development and standardization of quality assurance and nuclear risk management programs for application in power plants and other facilities.

See all the details in next month's newsletter regarding  
the one-day Finite Element Analysis course being planned for  
Saturday, January 18, 2014.



## Recent Activities:

*Both planned events (submarine tour and happy hour) were canceled* 📧



The City of San Diego is accepting applications for two Mechanical Engineers position.



**T10433 Assistant Engineer – Mechanical** positions may be assigned, under close supervision, professional level mechanical engineering duties to include: Check building plans for compliance with mechanical, plumbing, heating, ventilation, air-conditioning (HVAC), water, gas, sanitary piping, energy conservation, noise control, and electrical codes and standards; calculate, review and verify mechanical adequacy; provide information to engineers, architect, and contractors; prepare specifications; may be assigned to assist field inspectors; and perform other duties as assigned.

Assistant Engineer – Mechanical positions can be utilized to fill Assistant Energy Engineer vacancies.

Assistant Energy Engineer positions perform project management and construction management duties on energy, power plants, HVAC and related projects; check proposed water and wastewater facility designs for prudent energy design principles; perform energy audits on existing facilities; recommend, design and implement energy conservation measures on HVAC, mechanical and electrical systems and processes; evaluate energy rate tariffs for use at facilities; and perform other duties as assigned.

**T10434 Associate Engineer – Mechanical** positions perform mechanical engineering duties to include: Check building plans for compliance with mechanical, plumbing, heating, ventilation, air-conditioning (HVAC), water, gas, sanitary piping, energy conservation, noise control, and electrical codes and standards; calculate, review, and verify mechanical adequacy; provide information to engineers, architects and contractors; prepare specifications; may be assigned to assist field inspectors: train and rate the work performance of subordinates; and perform other duties as assigned.

Associate Engineer – Mechanical positions can be utilized to fill Associate Energy Engineer vacancies.

Associate Energy Engineer positions may plan, direct and supervise the work of professional engineers and directly perform project management and project construction management duties on energy, power plants, HVAC and related projects; check proposed water and wastewater facility designs for prudent energy design principles; perform energy audits on existing facilities; recommend, design and implement energy conservation measures on HVAC, mechanical and electrical systems and processes; evaluate energy rate tariffs for use at facilities; design, review and inspect mechanical and motive equipment, plumbing systems, HVAC systems at City facilities such as water and wastewater treatment plants; and perform other duties as assigned.

**You MUST apply online by 5 pm on Wednesday, Nov 13, 2013, at <http://www.sandiego.gov/empopp/>**



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



The San Diego SolidWorks User Group's (<http://www.sdswug.org>) monthly meetings provide an easy way for SolidWorks users to exchange ideas, get answers to problems, and learn more about SolidWorks and its partner applications. Monthly meetings are held on the second Wednesday of each month at 7:00pm. Everyone is welcome; there are no dues, just show up. The meetings are held at 11211 Sorrento Valley Road, Suites F & G, San Diego,

92121. Plan to arrive around 6:30pm and enjoy pizza and soft drinks courtesy of the sponsors. Mingle with the other users until the actual meeting starts.



**San Diego  
Chapter**

Visit the website for news and announcements.

<http://sandiego.asmeinternational.org/portal/site/sandiego/>

Questions: e-mail <mailto:asmsandiego@gmail.com>

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



## University News

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



<http://asme.sdsu.edu/>



<http://asme.ucsd.edu/>



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

## Membership Benefit: ASME e-Library



The ASME e-Library is now known as WorkSmart. It is still powered by Knovel and has over 100 interactive volumes available free to ASME members. The library includes general reference volumes and detailed treatises, not only in Mechanical Engineering, but also in other disciplines.

Some titles include:

Chemical Analysis of Industrial Water  
Handbook of Materials Selection  
Pipeline Rules of Thumb Handbook

To learn more, visit [go.asme.org/worksmart](http://go.asme.org/worksmart)



Monthly Executive Committee Meetings are usually held on the first Tuesdays (except summer months) from 5:30 to 6:30 pm at the Serra Mesa Branch of the City Library (9005 Aero Drive, San Diego, 92123). The meetings are open to the public and all members are invited to attend. Please contact Keith Frankie, [keithfrankie@asme.org](mailto:keithfrankie@asme.org), to confirm the date if you plan to attend or if you would like to address the Executive Committee.

## 2013-14 CALENDAR

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

Nov 15-21, 2013	ASME 2013 IMECE (International Mechanical Engineering Congress & Exposition), San Diego
Jan 18	One-day FEA Course
Feb 19 (Wed.) 2014	National Engineers Week--San Diego, Awards Banquet
Mar 26	Judging at 60 <sup>th</sup> Greater San Diego Science and Engineering Fair
Apr 25	San Diego Section Awards Banquet

### San Diego Section 13-14 Contacts:

Chair:

**Keith Frankie**  
[keithfrankie@asme.org](mailto:keithfrankie@asme.org)

Vice Chair:

Treasurer/Webmaster:

**York Lew**  
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Secretary:

**Steve Zawadzki**  
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Immediate Past Chair:

**Helen Anderson**  
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Nominating Committee

Chair/SDCEC Rep:

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**Nip Shah**

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Tours

**Kellie Turner**  
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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.