



ASME International

San Diego Section
American Society of Mechanical Engineers

Newsletter

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www.asme.org/sections/sd

DESALINIZATION: A VIABLE OPTION?

With recent controversy concerning beneficial use of Colorado River (farming vs. urban) and the need for California to stay within its River allotment, is desalination a viable option for water supply? Mr. Peter MacLaggan of the Poseidon Resources Group, will discuss the status of desalination as a possible water supply. The dinner/presentation

will be preceded by a tour of a demonstration installation. Come join us to learn more about this potentially endless source of fresh water. We have invited the Orange County Section of ASME to join us so there will be additional opportunity for networking.

DETAILS, DETAILS

- What:** Tour and Dinner Meeting
- When:** Tuesday, October 28, 2003
Tour—4:00 – 4:45 pm
Dinner/Presentation—5:15 – 8:00 pm
- Where:** Tour—Desalination installation located at Cabrillo Power's Encina Power Station, 4600 Carlsbad Blvd., Carlsbad
Dinner/Presentation—Carlsbad Seapointe Resort Clubhouse, 6400 Surfside Lane, Carlsbad (~3 miles south from tour location)
- Cost:** Tour only—No cost
Dinner/Presentation--\$12 for ASME members, \$10 for students, \$15 for all others
- Menu:** Chicken/Pasta with salad/sodas catered by Pat & Oscar's
- Contact:** Dave Padgett, sandiego@asme.org or (w) 760-930-3332
- RSVP:** by Tuesday, October 21
- Directions:** Tour—From Interstate 5, take Cannon Road exit, go west, turn right on Carlsbad Blvd., turn right to enter Encina Power Station (past the stack). Please arrive at least 15 minutes early.
Dinner/Presentation—From Interstate 5, take Palomar Airport Road exit, go west, take Carlsbad Blvd. south bound loop just past railroad overpass to right, turn left at second light (Island Way), turn left on Surfside Lane, park and go upstairs to clubhouse at main entrance.
From Tour—Proceed south and stay on Carlsbad Blvd., turn left on Island Way, turn left on Surfside Lane, park and go upstairs to clubhouse.

Message from the Chair

Desalinization—Coming to a tap near you? The next presentation topic on desalinization discusses a significant issue facing the Southern California region--water. The source of our drinking water is a dilemma facing us all and yet we typically take the availability of clean drinking water for granted. Come join us for a tour of a prototype desalinization process and presentation to follow. The dinner location at Seapointe Resort is overlooking the main source of water for desalinization--the ocean. I hope you are able to participate in this next activity.

Dave Padgett, Chair

Congratulations to Richard Rosenberg

Dick Rosenberg, a member of our Section, was elected an Honorary Member of ASME International, the highest membership grade in our Society. Dick was honored for eminent contributions to the development of nuclear technology, in particular groundbreaking work in the design, development, testing, quality control, and servicing of mechanical components and systems, and for more than a half century of distinguished service to ASME (including as President of ASME from 1987-88).

Since the founding of ASME in 1880, there have only been 361 Honorary Members elected.

Tour of Taylor Guitars

Taylor Guitars, one of the world's renowned guitar maker, is located in our backyard in El Cajon. They have a highly automated CNC woodworking shop, and are experts in designing, crafting, and fabricating wood structures. They offer a free, guided tour of the factory complex every Monday through Friday (not counting holidays), at 1 pm sharp. There is no need to make an appointment; simply be in the lobby of the main building at 1980 Gillespie Way in El Cajon, and inform the receptionist that you'd like to take the tour, which lasts approximately one hour and 15 minutes. For directions, see the Taylor Guitars website www.taylorguitars.com/contact/directions.html.

College Student News

UCSD HPV

The UCSD student section has re-started a Human-Powered Vehicle (HPV) Team, and is hoping to compete in the next HPV competition. The team, headed by David Wiens, has begun initial design of the vehicle and has worked throughout the summer. Hopefully soon the analyses will be complete, the design will be finalized, and construction can begin.

UCSD Senior Design Project Presentation

Eight mechanical engineering project presentations were given Friday June 13 by the spring quarter class. These presentations described the design process and final solutions the teams arrived at for their respective projects. Many interesting solutions were achieved. ASME member David Padgett helped judge the presentations.

USD

The University of San Diego has launched a Mechanical Engineering program with inaugural classes offered this fall.

“Application of Fuel Cells in Cars” Meeting Report

33 members and guests attended the Fuel Cells in Cars presentation by Mr. Tarrence Mack on August 21. He discussed the advantages and disadvantages of using fuel cells (and the different types of fuel cells) in cars and showed many pictures of actual fuel cell vehicles. We thank Mr. Mack for taking the time to share his knowledge and insight with us.

Water Voucher Incentive Program

Did you know that many water agencies in San Diego County participate in a voucher program for water conservation measures for Commercial / Industrial / Institutional customers? One program that qualifies for a \$500 voucher discount is the installation of cooling tower conductivity controllers or replacement of defective or inefficient ones. Vouchers are similar to grocery coupons; they must be presented at the time of equipment purchase. To request a voucher or for more information, call the Voucher Processing Center at 800-986-4538. Information on other commercial, residential, or personal incentives are also available.

Help Wanted

Hey, members, can you spare

- 2 to 3 hours per month for about 9 months, or
- 2 to 3 hours per month for about 3 months, or
- 2 to 3 hours per 9 months?

That is all it takes for you to make a difference in the lives of our members and students. Our Section has needs for several specific assignments and for various committees. If you are willing to help (you only get out of something what you put in), please contact David Padgett (see box at right). Thank you.

LINKS

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

ASME San Diego Section: www.asme.org/sections/sd

ASME Region IX (California, Nevada, and Hawaii): www.asme.org/regions/regionix

ASME Western Field Office (Regions VIII, IX, and XII): www.asme.org/regions/wro

ASME International: www.asme.org

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



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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).

2003-04 CALENDAR

(Please check our website for updates.)

Sep xx / Jan xx	Visit 1 st Year Engineering Classes at UCSD/SDSU
Sep 22-26	Oceans 2003
Oct 28	Desalinization – A Viable Option for Water Supply, Mr. Peter MacLaggan, Poseidon Resources Group. Tour and presentation.
Oct xx	Dinner with local university staff to discuss issues and student activities
Nov xx	Legoland or Sea World or other Family Day
Nov xx / Feb xx	Mentoring Night at SDSU/UCSD
Dec 10	Decommissioning of San Onofre Unit 1
Dec 12	“West Side” Tour of San Onofre Unit 1
Jan xx	Tour
Feb 27	National Engineers Week Banquet
Mar 17	Creative Spine Implant Technology, Jason Blain, Manager of Implant Systems Development
Mar xx	Tour
Apr xx	Dinner Meeting TBD
Apr 24	Water Rocket Launch Family Day
Apr xx	Judging of Science Fair Projects and University Student Paper Contests
May 21	Annual Awards Banquet
June xx	Judging of senior design projects