Southern California Newsletter

April 2013

Calendar of Events

APRIL

Los Angeles Chapter General Meeting
Tuesday, April 16: Student Night, Don Bosco Tech, (NOTE LOCATION) 5:30 pm.

Orange Coast Chapter General Meeting
Wednesday, April 17: Dr. Sanjai Shrivastava, Covidian Inc., “Materials and Design Considerations in Developing Medical Devices for treating Cerebro-vascular Aneurysms and Stroke”, 6 pm, Duck Club, Irvine

San Fernando Chapter General Meeting
Thursday, April 25: Mini-Symposium, CSU, Balboa Room, 6:30 pm

Temecula ASM-ASCE-NACE Dinner Meeting
Thursday, April 25: TBD, TBD, Temecula

MAY

Los Angeles Chapter General Meeting
Tuesday, May 21: Speaker and topic TBD, Cal Poly Pomona (NOTE LOCATION) 5:30 pm.

Orange Coast Chapter General Meeting

San Fernando Chapter General Meeting
Thursday, May 23: Speaker/Topic TBD, Marie Callender’s – Garden Room, 6:30 pm

JUNE

ASM Scholarship Golf Tournament, Monday, June 3, 2013, Candlewood CC, contact Dick Berryman 626-812-1907 or Richard.berryman@ngc.com

JULY

Two-day short course on titanium, presented by Dr. Sam Froes at Buehler, 35 Parker, Irvine, CA, 8 am-3 pm

AUGUST

Materials Camp for Teachers, CSULB, 12-16 August

Fall: ASM West Coast Bowling Tournament. Official details to be announced.
ASM International San Fernando Valley Chapter Presents April 2013 Meeting

San Fernando Valley Chapter Event Details

<table>
<thead>
<tr>
<th>WHAT:</th>
<th>Mini-Symposium, Speakers and Topics TBD</th>
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<tbody>
<tr>
<td>WHERE:</td>
<td>Balboa Room (ground floor across from Wells Fargo/Subway), University Student Union, CSUN 18111 Nordhoff St. Northridge, CA 91330 (Parking: G3 or G4 Parking Lots – off Zelzah Ave., $6) <a href="http://www.csun.edu/maps/cm1.html">http://www.csun.edu/maps/cm1.html</a> <a href="http://usu.csun.edu/about/hourmaps.php">http://usu.csun.edu/about/hourmaps.php</a></td>
</tr>
<tr>
<td>TIME:</td>
<td>6:30 pm – Executive Board Meeting 7:00 pm – Dinner/Social 8:00 pm – Presentation</td>
</tr>
<tr>
<td>WHEN:</td>
<td>Thursday, April 25, 2013</td>
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<tr>
<td>COST:</td>
<td>Free. Sandwiches and Drinks will be provided</td>
</tr>
<tr>
<td>RSVP:</td>
<td>Efrem Escobar 818-767-6213 or <a href="mailto:efrem@thermaltechnologies.net">efrem@thermaltechnologies.net</a></td>
</tr>
</tbody>
</table>

San Fernando thanks its Sustaining Members

- Thermal Technologies
- MTI Metals Technology, Inc.
- Pratt Whitney Rocketdyne
- Pacific Testing Laboratories, Inc.

Watch for the launch of the new Chapter Website
Los Angeles Chapter  
April 2013 Meeting

2013 Student Night Materials Science & Engineering Poster Contest!

The Los Angeles Chapter of ASM International is sponsoring a student poster contest during student night on April 16, 2013. Cash prizes will be awarded to winners in both undergraduate and graduate poster categories. The topic must be related to materials science or metallurgy. Students should be local to the greater Los Angeles area.

The poster format is open; however, students with posters larger than 3’ x 4’ should be prepared to provide their own means of support. Limited table and easel space is available; walls will be available for hanging the posters.

Please provide the poster title and abstract, as well as your intention to present, no later than April 9, 2013 to:

Andrew Kent  
andrew.kent@ngc.com  
626-812-1502

The Los Angeles Chapter’s annual Student Night will be held at 5:30pm on April 16, 2013 at:

Don Bosco Technical Institute  
1151 San Gabriel Blvd  
Rosemead, CA 91770

Dinner will be served, and is complimentary to all students. The dinner cost for adults and members is $20. Scholarship presentations will also be made on this evening.

Presenters/Topics TBD

| Meeting Details |
|-----------------|-----------------|
| WHAT:           | Student Night   |
| WHO:            | Student Speakers|
| WHERE:          | Don Bosco Technical Institute  
|                 | 1151 San Gabriel Blvd.  
|                 | Rosemead, CA 91770 |
| TIME:           | 5:30 PM: Social/Dinner & Beverages, Presentation Prep  
|                 | 6:00 PM: Presentations  
|                 | 7:30 PM: Awards   |
| WHEN:           | Tuesday, April 17, 2012 |
| COST:           | $5 for pizza and beverages  
|                 | (Students free) |
| R.S.V.P.        | Andrew Kent  
|                 | Andrew.Kent@ngc.com  
|                 | (626) 812-1502 |
Schedule for April 17th:
When: 6:00PM Dinner & Technical talk follow
Where: Irvine Duck Club
5 Riparian View
Irvine, Ca 92612
Cost: ASM members-free!
Non-Members- please contact.

Upcoming Events:

Fall Season: ASM West Coast Bowling Tournament. Official details to be announced.

July 8th-9th: Two day short course on Titanium, by Dr. Sam Froes

April 17th Program

Materials and Design Considerations in Developing Medical Devices for Treating Cerebro-vascular Aneurysms and Stroke

Dr. Sanjay Shrivastava,
Director of Technical Marketing – Neurovascular Division
Covidien, Inc.

Abstract:
This talk will begin with an overview of neuro-vasculature and neurovascular diseases. Various procedures to treat cerebro-vascular aneurysms and acute ischemic stroke will be reviewed. Embolic coil and clot retriever design considerations and challenges will be discussed keeping the interests of materials scientists and material developers in mind.

Directions to Irvine Duck Club
Going Northbound on 5:
1. Take Exit 5 for Culver Dr
2. Turn Left onto Culver Dr
3. Turn Right onto University Dr
4. Turn Right onto Campus Dr
5. Take 1st Right onto Riparian
6. Take 1st Left into Parking Area
7. Destination will be on the right

Going Southbound on 405:
1. Take Exit 5 for Culver Dr
2. Turn Right onto Culver Dr
3. Turn Right onto University Dr
4. Turn Right onto Campus Dr
5. Take 1st Right onto Riparian
6. Take 1st Left into Parking Area
7. Destination will be on the right

RSVP to: asmorangecost@gmail.com

Bio:
Dr. Sanjay Shrivastava is a director of technical marketing at the Neurovascular division of Covidien, Inc. Until recently, he held the position of a director, research & development with the same company, where he led the development of a breakthrough device for revascularization in acute ischemic stroke patients. Much of Dr. Shrivastava’s career has been focused at developing cardiovascular medical devices including coronary and peripheral drug eluting stents, bare metal self expanding and balloon expandable stents, vena cava filter, heart valve, AAA stent-graft, clot retriever, and embolic coil. He is a named inventor on more than 25 issued or filed US patents. He has been invited speakers at many clinical and engineering conferences and is the editor of a book titled “Medical Device Materials”. Dr. Shrivastava played a key role in starting “Materials and Processes of Medical Devices” under the auspices of ASM International for which he was the conference chair in 2003. Medical Device & Diagnostic Industry listed him among 100 Notable People in the Medical Device Industry in 2004. He won the innovator of the year award at ev3 in 2009. Prior to joining ev3, Inc., Dr. Shrivastava worked at Abbott Vascular and Edwards Lifesciences, Inc. in the area of product development. Shrivastava holds a doctorate degree in materials science & engineering from the University of Florida.
Two Day Short Course on Titanium

By: Dr. Sam Froes

This course will cover Titanium in:
Phase Diagrams, Melting, Powder Metallurgy, Primary and Secondary Fabrication, Mechanical properties, Corrosive Behaviors, Cost, Applications and Potential Uses.

When: Monday and Tuesday July 8th - 9th, 2013
From: 8AM - 3PM (6 hours + 1 Lunch hour)

Where: Buehler 35 Parker Irvine, CA 92618

If you are interested in taking this course, please contact us at: ASMorangecoast@gmail.com
A NOTE TO THE FORMER SOUTH BAY MEMBERS…

Chapter Realignment
The South Bay Chapter is being merged with the Los Angeles Chapter. The Chapter boundaries are being realigned for Los Angeles, Orange Coast, and San Fernando. Those affected by the realignment should have received something from ASM headquarters. If you have not already responded to the notice from ASM, please do so. No member’s chapter affiliation will be changed without consent. As before, any member may choose to affiliate with any chapter. You may choose to be affiliated with Orange Coast, San Fernando, Los Angeles, or another chapter. Please pass this word along to any South Bay members who might not have gotten the word. Thanks to the members who have already responded.

Is your information (mailing address, phone number, e-mail) current with ASM International?
You can contact ASM to update their records at ASM International at 800-336-5152 or cust-srv@asminternational.org, or you may e-mail Michael.t.hahn@ngc.com

WEBSITES
http://losangeles.asminternational.org
http://www.asmorangecoast.com
http://www.asminternational.org/portal/site/sandiego/

Coming soon: San Fernando Valley Chapter Website

Advising Rates
Take advantage of this opportunity to reach over 1000 materials professionals in the LA area.

<table>
<thead>
<tr>
<th>Advertising Rate</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Card (1/10 page)</td>
<td>$20</td>
</tr>
<tr>
<td>1/8 page</td>
<td>$25</td>
</tr>
<tr>
<td>1/4 page</td>
<td>$50</td>
</tr>
<tr>
<td>1/2 page</td>
<td>$87.50</td>
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<tr>
<td>Full page</td>
<td>$150</td>
</tr>
<tr>
<td>Back 1/2 page</td>
<td>$87.50</td>
</tr>
</tbody>
</table>

* 10% discount for full year purchase, 8 issues September-May (no December newsletter). Paper newsletter is sent in spring and fall with monthly electronic updates.

To advertise in this newsletter, contact us at michael.t.hahn@ngc.com
Calling All Teachers!

Attend a 5-day professional development workshop in Summer of 2013 at no cost to you!

Who should attend?
- High school general science, chemistry, physics, math and technology teachers
- Middle school physical science teachers

Why attend?
- Learn how to engage your students using simple, low-cost/no-cost experiments that you can integrate into your existing lesson plans
- Help your students discover career opportunities in science & engineering

“I can’t say enough about this camp. It provided me with an increased enthusiasm and confidence for my class material. I can’t wait to use just about everything I learned and to demo all the free items, and purchase some of the things we got familiar with in the workshop... chemical use, propane use, lab procedure techniques...” (Lynne Sojda, Gilmour Academy, Akron Teachers Camp)

Everything is FREE: 4 CEUs, materials, lunches & snacks

Graduate credits available! Two (2) graduate credits are available at $250. (This is optional.)

“This camp was utterly amazing! ... I will take back ideas about teaching in general that will make my classes more fun and interesting!” (Susan Bevington, Providence Academy, Ann Arbor Teachers Camp)

ASM Materials Camps give you something you could really use in your classroom!

Over 30 locations throughout the U.S. & Canada!
Check locations online: www.asmfoundation.org

Your FREE attendance at this workshop is made possible by the generous contributions of individual ASM members, ASM Chapters and many partners of the ASM Materials Education Foundation!

2013 Schedule & Online Application:
www.asmfoundation.org

Questions?
Jeane Deatherage, Administrator of Foundation Programs
jeane.deatherage@asminternational.org; 1-800-336-5152, X5533

LOCAL TEACHERS’ CAMP: 12-16 AUGUST AT CAL STATE LONG BEACH

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**LEAK DETECTION SERVICES**
- In-House Testing
- All Applicable Specifications
- Customer Requirements
- NDT Certified Technicians
- Application Specific Tooling

**VACUUM TECHNOLOGY SERVICES**
- Mass Spectrometer
- Permeation Studies
- Nuclear Application
- Hydrostatic/Pneumatic
- Degassing
- Buried lines
- Vacuum Gauges
- Repair
- Vacuum Gauges
- Repair

**LEAK TESTING - Field Service**
- Field Leak Testing
- Mass Spectrometer
- Hydrostatic/Pneumatic
- Degassing
- Buried lines
- Vacuum Gauges
- Repair

**CALIBRATION**
- High/Low Vacuum
- Vacuum Gauges
- NIST Traceable
- All Types and Models

**REPAIR – Field Service**
- Vacuum Pumps (Most)
- Vacuum Gauges
- Leak Standards
- Vacuum Systems

**LEAK DETECTORS**
- New/Used
- Accessories/Parts
- Turnkey Systems
- Tooling/Fixtures

**VACUUM PUMP SERVICES**
- New and Reconditioned
- Mechanical Blowers/Diffusion
- Chemical

**SALES**
- Vacuum Pumps
- New and Reconditioned
- System/Pumping/Leak Detectors
- Test Methods/Procedures

**LEAK DETECTORS**
- New/Used
- Accessories/Parts
- Turnkey Systems
- Tooling/Fixtures

**VACUUM TECHNOLOGY SERVICES**
- Mass Spectrometer
- Permeation Studies
- Nuclear Application
- Hydrostatic/Pneumatic
- Degassing
- Buried lines
- Vacuum Gauges
- Repair

**CALL AHEAD**
- (818) 717-8584
- FAX: (818) 717-8584
- www.heliumleaktesting.com

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**ASM-OC is looking for sponsors for monthly meetings. The sponsorship fee is $100 per meeting. The company logo will be advertised on the website and newsletter for sponsorship. A table will also be provided for display of company information at the monthly meeting.**

**2012-13 Executive Committee**
- Chair: Scott Poveromo
- Past Chair: Khinlay Maung
- Vice Chair: Ethel Poire
- Treasurer: Joe Breslin
- Secretary: Martin DeGuzman
- Webmaster: Timothy Montalbano
ASM Southern California Newsletter
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April 2013

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asmorangecoast@gmail.com

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eeethermal@sbcglobal.net

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