

Orange Coast Chapter 2011-2012

<http://www.asmorangecoast.com>

2012 Speaker Schedule:

Wednesday January 18th:

Satish Dixit, Ph.D.

Director Engr./R&D, Plasma Technology Inc.

“Surface Engineered Coating Solutions for Wear, Erosion and Thermal Barrier applications”.

Wednesday February 15th:

David Jackson

President, CleanLogix LLC

“CO₂ Technology Transforms Manufacturing”

Wednesday March 21st:

Neil Hall

Engineering Specialist, Callaway Golf

“Golf Club Driver Design- A Materials Perspective”

Wednesday April 18th:

Speaker to be formally announced at a later date.

Announcing the Winter Schedule

**January/ February/March/ April
Meetings, 3rd Wednesday!**

Schedule:

6:00 *Dinner and Social Hour*
6:40 *Introductory Welcome*
6:45 *Chair Presentation*
6:50 *Guest Speaker:*

Where:

*Irvine Duck Club
5 Riparian View
Irvine, California*

Cost:

*ASM members free
Non-members please contact*

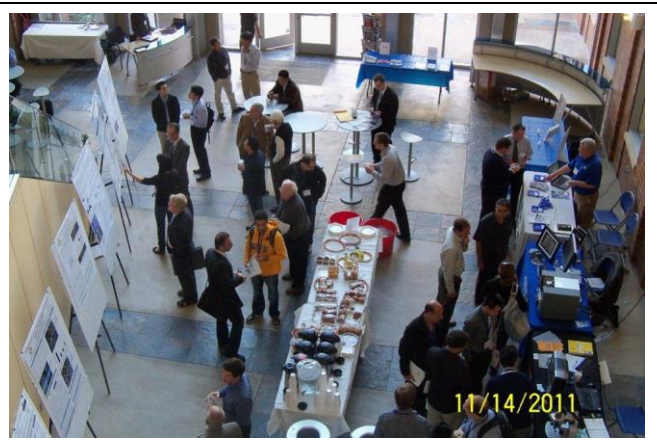
Questions:

Contact as asmorangecoast@gmail.com

Summary of the 2011 Biomedical Symposium

On November 18th ASM Orangecoast and ASM West held a biomedical symposium focused on materials engineering challenges at UC Irvine. We had roughly 80 attendees including 11 speakers and 7 company sponsors. It was a packed day running from morning to night. The day included a poster session, microscopy tour and a diverse range of speakers from both the academic and industrial communities. Feedback has been very positive and we are already looking ahead to next year!

Pictured: Scott Poveromo of ASM and keynote speaker Dr. Wu of Edwards Lifesciences.



“Surface Engineered Coating Solutions for Wear, erosion and thermal barrier applications”
Satish Dixit, Plasma Technology Inc., Torrance

Abstract:

Advanced ceramic and metallic coatings for wear and corrosion protection of engineered structures applied by thermal spraying techniques have become a mainstay of surface engineering. Estimated global sales of thermally sprayed coatings are in the US\$5 billion range per year. PTI is a leader in this technology and has been providing thermal spray coating services to aerospace, automotive and other allied industries for the past 42 years. This presentation will include a brief introduction to the thermal spray coating process technology and discussion of various technological applications developed by PTI. A short video showing brief introduction to overall thermal spray process technology will be presented at the onset of the presentation.

Dr. Satish Dixit
Ph.D., Physics and Materials Science, University of Pune, Pune, India (1995)

Bio

Dr. Satish Dixit is the Director of Engineering/R&D at PTI. His responsibilities include leading a team of scientist and engineers in new development programs as well as assisting the production team in process development. Along with this he is also involved in new material and coating process development programs for various government funded programs from DoD, DoE, NASA, NSF etc. Before joining PTI, he has been a Senior Research Scientist at UES, Inc., Dayton, OH and was actively involved in their coatings development programs and related SBIR work. At UES, he successfully completed various phase I and phase II DoE and DoD sponsored SBIR programs and successfully commercialized thin film coating process for die casting industries. Prior to that he was Senior Research Officer at Multi-Arc India Limited, and was responsible for managing their hard coating production facility, as well as development of new and novel coatings, process technologies, and plasma nitriding for applications such as cutting tools, forming tools, decorative coatings, and corrosion-resistant coatings. He has more than 20 years of hands-on experience in working with vacuum equipment and advanced thin film deposition techniques, including physical vapor deposition (PVD), pulsed laser deposition (PLD), sputtering, thermal evaporation, ion-beam assisted deposition (IBAD), and ion implantation.

We would like to thanks all the participants and sponsors of the ASM West biomedical symposium!



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