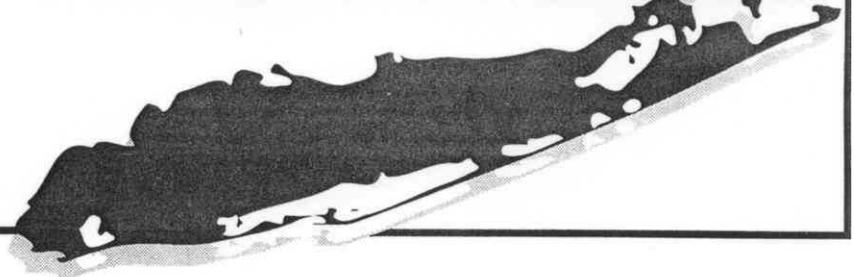


The Materials Information Society

LONG ISLAND CHAPTER

METALLAGRAM



Volume 50 Issue 6

Chapter website: <http://www.matscieng.sunysb.edu/asm/>

******* PAST CHAIRS NIGHT *******

When Wednesday, February 18, 2009

Where . . . Union Station Restaurant and Tavern, Smithtown, NY

**Topic: Fatigue and Mechanical Properties of Nanostructured
Coatings**

Speaker: Ahmed Ibrahim, Farmingdale State College

Social Hour ... 6 pm Dinner ... 7:00 pm Meeting ... 8:00 pm

Members ...\$22 Guests ...\$25 ASM 25 years ...\$20 Students ...\$12

(New and recently transferred-in members free)

For reservations, call Peter Indrigo at 631-589-6666 or email peterd@unitronusa.com

DIRECTIONS TO THE UNION STATION RESTAURANT & TAVERN (via the LIE)

The Union Station Restaurant & Tavern is in the location spot previously occupied by the Burke & Shapiro Steakhouse. Take the LIE or the Southern State Parkway to the Sagtikos Parkway. Proceed northward on the Sagtikos Parkway, which eventually becomes the Sunken Meadow Parkway. Stay on the Sunken Meadow Parkway to Exit SM3E, Route 25 (Jericho Tpk.) East – Smithtown. Go east on Route 25 (Jericho Tpk.) for about 4 miles. You will pass under a railroad trestle and a statue of the Smithtown Bull. Keep going on Route 25 (uphill), passing through two traffic signals. JUST BEFORE the second railroad trestle, turn left on Elliot Place then, almost immediately, make the first right into the restaurant parking lot. The restaurant's address is 155 West Main Street; their phone number is (631) 265-3300.

Our Speaker

Dr. Ahmed Ibrahim, Professor of Mechanical Engineering Technology at Farmingdale State College, is internationally recognized for his work in the field of fatigue behavior and deformation of thermally sprayed coatings. He received a B.S. from Helwan University in Egypt, holds a M.S. degree from the Polytechnic Institute of New York and received his Ph.D. degree in Materials Science and Engineering from Stony Brook University. Dr. Ibrahim is also the recipient of several ASM Certificates of Recognition for his contribution to thermal spray technology. He has presented the results of his applied research in thermal spray coatings at the past 12 international thermal spray conferences [1996-2008]. The results of this research have been published in the leading journals of materials science. He has authored or co-authored over 25 publications, including four focused on the mechanical properties of nanostructured coatings. In 2006, and 2008, he was selected to be part of an international panel of researchers evaluating research projects supported by the Austrian Nano-Initiative, which is a part of the European Nano Initiative. In the summer of 2001 he received a NASA fellowship at Marshall Space Flight Center. He is also a reviewer for several international journals of materials.

The Topic

The acceptance of thermal spray coatings in many applications depends on the effect of the coating on the fatigue performance of the coated part. Nano-structured coatings offer the potential for significant improvements in engineering properties. Through microstructural refinement, new nano-structured coatings are being developed to improve wear and corrosion resistance for many structural components. The fatigue properties of these new nano-structured coatings are of great interest, particularly in comparison to the conventional coatings.



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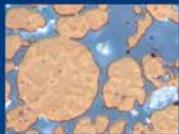
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2009 John R. Weeks Scholarship Program

The Chapter makes available awards worth \$500 p.a. for up to four years for high school students planning to study materials science and engineering at a recognized university or community college. Application forms will soon be mailed to all Nassau and Suffolk county high schools but if you would like more information, contact Biays Bowerman (631-344-2946) (email bowerman@bnl.gov).



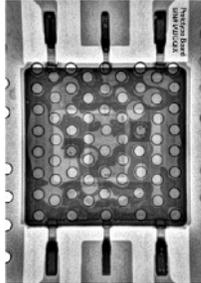
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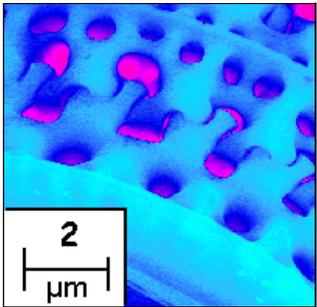
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WELCOME TO THE CHAPTER!

Dianying Chen, Sulzer Metco Craig Davide, Merrick Traci Frey, Staten Island Joe Holmes, Sulzer Metco

Harald Lemke, Sulzer Metco Jing Lin, Sulzer Metco Kentaro Shinoda, National Institute for Materials Science

All new members, including those who have transferred in from another Chapter, are invited to dine free at a regular meeting of their choice. Please take us up on this offer - come along to the meeting and introduce yourself. This is an excellent way to meet with other Chapter members and to establish new business and social relationships in the area.

Coming soon ... April 1st (Seniors) and 2nd (Juniors)
The Long Island Science Congress at Nold Hall, Farmingdale State College

Our Chapter supports this event for by making available to students of Long Island high schools up to five special awards for materials-related projects. The judging takes place during the morning each day, and breakfast and lunch are provided! If you would like to participate in the judging on either (or both) days, or possibly your company would like to sponsor an additional award (general or specific), please contact Biays Bowerman at (631) 344-2946, or email him at bowerman@bnl.gov.

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CHAPTER MEETING SCHEDULE

Long Island Chapter

Mar. 18, 2009 Place: Union Station, Smithtown, NY
Speaker: Gary Elgort, ConEd
Topic: Steam Disasters

Apr. 15, 2009 Annual General Meeting
Place: Union Station, Smithtown, NY
Speakers: SBU Senior Students
Topic: Research posters

May ??, 2009 Wine tasting at Martha Clara vineyard

Metro NY-NJ Chapter
(contact Rich Lynch @ 201-891-8399)

Feb. 12, 2009 Place: Fiber Optics Auditorium, Busch Campus, Rutgers University
Speaker: Somenath Mitra, NJIT
Subject: Carbon Nanotubes and their Application in Photovoltaics

Mar. 9, 2009 Place: TBA
Speaker: Brent Willey, Titanium Fabrication Corp
Topic: Multi Industry Application of Titanium & Titanium Alloys

Apr. 7, 2009 Place: L’Affaire, Mountainside, NJ



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[() – term expires]

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