



METALLAGRAM

LONG ISLAND CHAPTER



Volume 56 Issue 1

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

******* Welcome to the 2014-2015 Year *******

First Meeting Wednesday, September 17, 2014

Where Pollo Rico Latin Bistro, Centereach, NY

**Topic: Challenges in Innovation in Complex Engineering Systems:
Illustrative Examples from Thermal Spray Materials Manufacturing**

Speaker: Sanjay Sampath, Stony Brook University

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

Members ...\$25 Guests ...\$27 Students ...\$15

(New and recently transferred-in members free)

Reservations appreciated – call Peter Indrigo (631-589-6666)

WELCOME TO THE CHAPTER!

Vijay Alreja, VJ Technologies Jorge Arroyo, Clad Metal Specialties, Inc.
Genaro Layme, Clad Metal Specialties, Inc. Dominic Marcoccia, Clad Metal Specialties Inc.
Robert Swerdlow, Certified Laboratories Valeriy Zhuk, Moscow

All new members, including those who have transferred in from another Chapter, are invited to dine free at a regular meeting of their choice (not applicable to this wine tasting!). 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.

The Topic

Innovation is an important buzz-word these days. Indeed many segments of our lives are especially affected through rapid advances in technology, information and business practices. However, incorporating innovation in complex engineering systems (energy, automotive, aerospace, etc.) is extremely time consuming and laborious. Many ideas fall by the wayside due to the costs associated with just evaluating them. In addition, complex engineering systems are subject to regulatory issues.

In this talk, we will briefly outline these challenges through specific examples of technology developments in certain engineering systems. Advances in thermal spray processes and coatings will be used to illustrate both promises and pit-falls of advanced technologies and their insertion into integrated systems.

Our Speaker

Dr. Sanjay Sampath, is currently Professor of Materials Science and Engineering at Stony Brook University (SUNY) and director of the Center for Thermal Spray Research, an interdisciplinary industry-university cooperative research center in the field of thermal spray materials processing and surface engineering. Sampath received his Ph.D. degree from Stony Brook in Materials Science in 1989. After graduating, he spent four years at GTE Sylvania involved in research, development, and processing of refractory metal compounds and composites. Since joining the faculty at Stony Brook in 1993, Dr. Sampath has directed research efforts on various federal and industrially funded programs. Under the auspices of the NSF Center, he directed a group of a dozen or so interdisciplinary faculty members towards fundamental understanding of thermal spray processes, materials and applications. The self-sustaining Center is home to the Industrial Consortium for Thermal Spray Technology, comprised of 36 leading companies and aimed at knowledge transfer from fundamental research to application engineering. He was also PI on a major DARPA grant aimed at developing new processing tools for direct writing of mesoscale electronics and sensors. Sampath has over 200 publications to his credit, 15 patents and several best paper awards. He received the SUNY Chancellor's Award for excellence in scholarship and creative activities in its inaugural year, elected Fellow of ASM International, and, in 2007, was recipient of an R&D 100 award for developing the direct write technology. He was also inducted as Fellow of the American Ceramic Society and recently recognized as a Distinguished Professor of the State University of New York system.



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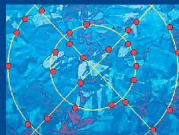
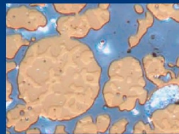
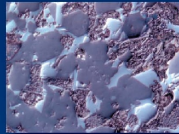
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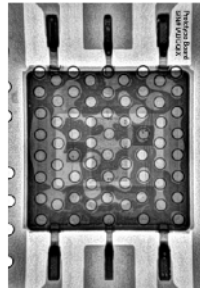
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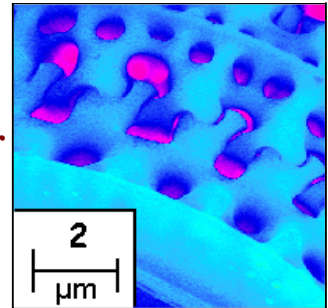
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Pollo Rico is located at 2435 Middle Country Road (Rte. 25), Centereach. Probably the simplest way to get there from the LIE is to take Exit 62 (Nicolls Road) and go north on CR 97 (towards Stony Brook). Continue north for about 3 miles then take the exit to Rte. 25. At the traffic signals at the end of the ramp go left and head west (Smithtown). The restaurant will appear after about 1.5 miles, on the right side of the highway. Their telephone number is 631-471-0585.



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Long Island Chapter Meeting Schedule

Oct. 15, 2014 Place: TBA
Speaker: Angelica Tenezaca, Hercules Heat Treating, Hicksville
Topic: Heat Treating

Nov. 19, 2014 Students Night
Place: Hilton Garden Hotel, Stony Brook
Speaker: various Engineering students
Topic: various topics.

Dec. 10, 2014 Topic: Power Supply's Infrastructure
Place: Polo Rico, Centereach

Metro NY-NJ Chapter

(<http://metronynj.asminternational.org/portal/site/metronynj/>)

Sept. 16, 2014 Topic: Student Research Presentations
Place: Meson Madrid, Palisades Park, NJ

Oct. 23, 2014 Topic: Covetic Nanomaterials and Energy Applications
Place: L'Affaire, Mountainside, NJ

Nov. 20, 2014 Topic: TBA (Trustee's Visit)
Place: L'Affaire, Mountainside, NJ

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[() – term expires]

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Peter D. Indrigo
Senior Vice President
peterd@unitronusa.com

73 Mall Drive, Commack, New York 11725
www.unitronusa.com
Phone: 631-543-2000
FAX: 631-589-6975