



METALLAGRAM

LONG ISLAND CHAPTER



Volume 55 Issue 2

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

Next Meeting Wednesday, October 16, 2013

Where Copper Wok, Hicksville, NY

**Topic: Practical Understanding of Materials for Thermal Spray
Applications**

Speaker: Mitchell Dorfman, Sulzer Metco (US) Inc.

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)

ALSO

Sulzer Metco has kindly offered to host a tour of their plant at 1100 Prospect Avenue, in Westbury, NY 11590. The tour will take place at 2 pm and is a joint venture with other groups. There is a cap on the total number of participants and, because of this, we are limited in the number of Chapter members who may join it. If you are interested in joining the tour, please contact Jim Quinn (james.quinn@stonybrook.edu) as soon as possible.

RESERVATIONS ARE ESSENTIAL FOR THE TOUR– NO WALK-INS!!!

The Topic

Thermal spray technology has been used successfully for many years as a surface modification process for many industrial applications. A few examples of industries where thermal spray is used are Aerospace, Power Generation, Automotive, and Biomedical. This technology helps to sustain our way of life by reducing energy consumption, providing environmental benefits, supporting human comfort, and reducing material waste. The technical and commercial success of application seen in these industries are based not only on the correct thermal spray process and parameters, but on a clear understanding of the function associated with the application and the proper material selection. Based on this fundamental understanding, powders can be down selected to meet specific application needs. This presentation will discuss the thermal spray basics, market and technology trends, and some key application success stories.

Our Speaker

Mr. Mitchell Dorfman is a ASM Board of Trustee, ASM Fellow and Past President of ASM-TSS. During his term as President he actively promoted market growth and expansion of the Thermal Spray industry through greater global alliances of Professional and Trade associations and through the development of training and certification programs. A former Mechanical Engineering graduate with a Masters degree in Materials Science from SUNY at Stony Brook, Mr. Dorfman has the honor of being the first winner of the Distinguished Alumni award from Center for Thermal Spray Research (CTSR) at Stony Brook for his mentoring of young professionals. Mr. Dorfman is a Sulzer Metco Fellow and has been employed there for over 30 years. He holds numerous patents that are profitable to Sulzer Metco and has written and presented many papers in the field of Thermal Spray technology. Mitchell Dorfman is known as the principle inventor of the HOSP (Hollow Oven Spherical Powders) process, a process that is used and certified today by many aerospace and industrial gas turbine manufactures for applying thermal barrier materials to engine components. He has also been instrumental in supporting key customers with the development of clearance control, oxidation/ hot corrosion resistant materials and various carbides materials through his years of service.



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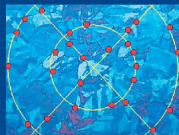
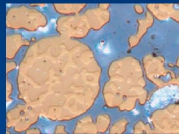
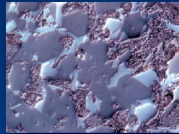
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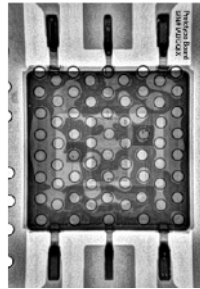
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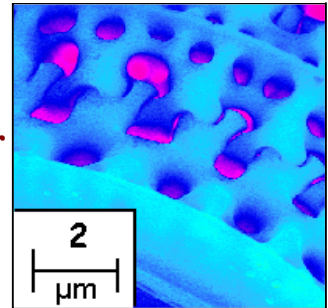
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Dr. Jim Quinn
631-632-6663 or 8495
james.quinn@stonybrook.edu



DIRECTIONS TO THE COPPER WOK RESTAURANT

From the Long Island Expressway - take Exit 41 and go south on Route 106/107 (N. Broadway). After about 1.5 miles, stay to the left to keep on **Route 107** (Route 106 forks off to the right at this point). Cross John St. and Barclay St., pass under the railroad, and after about 0.1 mile, make a right onto W. Marie Street. The restaurant will be on your right, at 1615 West Marie Street, about 100 feet after the turn. The telephone number at the restaurant is (516) 681-1947.

DIRECTIONS TO THE SULZER METCO WESTBURY PLANT

From the Long Island Expressway - take Exit 41 and go south on Rte. 106/107. Stay on **Rte. 106** when it splits from Rte. 107 (just after the Broadway Mall) and after about a quarter mile make a **right** to go west on **West John Street**. Continue for a little more than a mile, at which point West John Street becomes **Prospect Avenue**. The Sulzer Metco plant is on the **right**, after BOCES (the New York Blood Center is on the left). Please take the **first right (onto Bridge Street)** and park near the side entrance. Note that, although the plant is situated just to the east of the Wantagh Parkway, there is **NO EXIT** from the Parkway onto Prospect Avenue.



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Long Island Chapter Meeting Schedule

Nov. 20, 2013 Place: Old Field Club
Speaker: tbd
Subject: Senior Design Projects

Dec. ??, 2013 Place: tbd
Speaker: tbd
Subject: tbd

Metro NY-NJ Chapter

(website www.asminternational.org/portal/site/metronynj/)
(contact: Rich Lynch @ 201-891-8399)

Oct. 15, 2013 Place: L’Affaire, Mountainside, NJ
Speaker: Gernant E. Maurer, FASM
Subject: Alloy Design and Processing
Challenges for Advanced Power Systems

Long Island Metal Workers Society

(website <http://www.limws.org>)

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