



METALLAGRAM

LONG ISLAND CHAPTER



Volume 59 Issue 7

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

SUSTAINING MEMBERS NIGHT

Next Meeting Wednesday, March 28, 2018

Where Pollo Rico Latin Bistro, Centereach, NY

Topic: Manufacturing: From Design to Practicality

Speaker: Salvatore Marino, ReliaCoat Technologies

Social hour ... 6:00 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 at 631-589-6666

Directions to Pollo Rico Latin Bistro

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. Their website is: <http://www.polloricolatinbistro.com/>

The Topic

Industrial manufacturing of complex components can be extremely difficult for both the design and manufacturing engineers if there is not a synergistic approach. Some of the largest companies often run into challenges and end up producing a concept called cyclic innovation, which leads to decreased productivity and increased incurred costs. When working in such a facility, it is important to determine the key players involved in designing the product and educate all members on the practicality of the application prior to implementing the design for manufacturing. The talk will focus on a few examples of advanced manufacturing in machining, coating deposition (thermal spray), and heat-treatment applications. A focus will be paid to the materials science in each application as well as a high-level demonstration of a large gas turbine manufacturing process.

Our Speaker

Salvatore Marino graduated in 2011 with a Bachelor's degree in Engineering Science and then in 2012 with a Masters in Materials Science and Engineering from Stony Brook University. His research concentrated on understanding processing effects on performance of carbide-based wear resistant coatings for electroplated hard chrome (EHC) replacement. Since then he was employed with General Electric, focusing on process engineering for thermal barrier (TBC) and hard-faced coatings for both OEM and repair overhaul. His main responsibilities included: providing technical support regarding the new make / repair processes for heavy gas turbine engine components globally, leading the execution of repair qualification processes to new and current shops, and managing thirty-two coating cells in the repair network for quality control. After five years at General Electric, Salvatore joined ReliaCoat Technologies as a senior project engineer. His primary focus is with diversifying processing techniques for newly constructed coating material systems. He is leading disruptive coating solutions for energy, aerospace, automotive, electronic, and government applications by utilizing new sensory technologies for monitoring in situ surface coatings. His main area of expertise is in advanced thermal spray processing techniques and their effects on coating performance.



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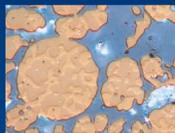
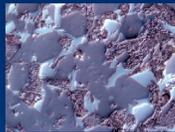
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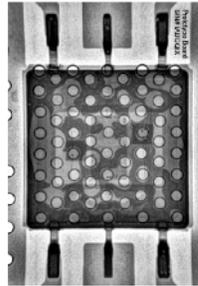
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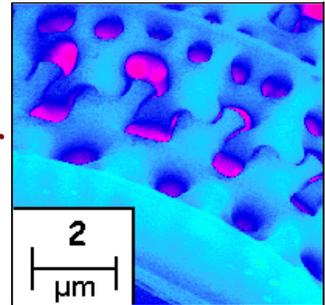
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Congratulations and thank you to our members who reached the following milestones:

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15 Years – James Quinn, Christopher Dambra

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Metro NY-NJ Chapter
<http://www.asminternational.org/web/metro-ny-nj-chapter/home>

March, 2018 Speaker: Chris Rasmussen, Stryker
Topic: tbd
Location: Meson Madrid, Palisades Pk, NJ

April 24, 2018 Speaker: Susan Kazan
Topic: Forensics of Material Science
Location: tba

Long Island Chapter Meeting Schedule

April 18, 2018 Student Night
Oral and Poster Presentations
Place: Old Field Club, East Setauket, NY