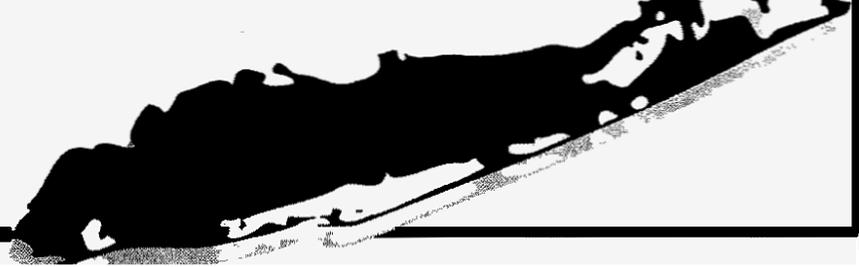




The Materials Information Society

**LONG ISLAND CHAPTER**

# METALLAGRAM



Volume 59 Issue 6

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

## **PAST CHAIRS NIGHT**

**Next Meeting . . . . . Wednesday, February 21, 2018**

**Where . . . . . Pollo Rico Latin Bistro, Centereach, NY**

**Topic: Biomedical Engineering – Fabrication of Dental and Medical  
Prosthetics**

**Speaker: Dr. Lenny Marotta, Marotta Dental Studio**

*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

The dental field is often overlooked when discussing Biomedical Engineering. A large amount of research and time is spent on creating and using biomedical products. A brief history of dental implants will be given, from the first discovery of osseointegration to the latest surgical procedures. Today the dental field makes use of cone beam medical CT technology and stereolithography to plan surgical cases, fabricate printed models and prosthesis. The field goes beyond the oral cavity, and the talk will briefly go over the medical devices we produce, such as skull plates, titanium jaw replacement and maxillofacial prosthetics. The talk will conclude by going over the latest technical innovations in the dental field, from fabrication to production. A focus will be paid to the material science of the prosthetics, and the technology used to fabricate and engineer dental restorations.

## Our Speaker

Dr. Leonard Marotta graduated from the Kerpel School of Dental Technology in New York City. Lenny continued his training through graduate studies at Farleigh Dickenson University, where he focused on Gnathology and Subperiosteal, Blade and Staple implants. He earned his degree in engineering from Farmingdale State College, State University of New York. He has a PhD from L.M.U. Leeds Metropolitan University in Biomedical Engineering. Lenny earned his CDT in four categories: Ceramics, Crown and Bridge, Partials, and Dentures. Lenny is one of the founding members of the Master of Dental Technology, ASMDT, program at NYU. He is a Professor in Science and Technology Programs, School of Engineering Technology, at Farmingdale State College, State University of New York. Lenny is a Clinical Associate Professor in the Department of Implant Dentistry, Restorative and Prosthodontic Science, and the department of Biomaterials and Biomimetics at New York University College of Dentistry. Lenny studied with the first graduating class of restorative dentists and surgeons in the Branemark system from the University of Toronto in 1984. Lenny is the first dental technician to be president of the Northeastern Gnathological Society. He is also the owner of Marotta Dental Studio and MDS Cranial Facial Engineering, which specializes in the fabrication of titanium medical and dental implant prosthetics.



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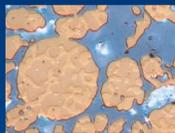
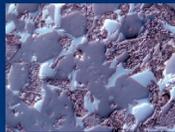


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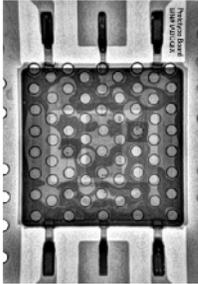
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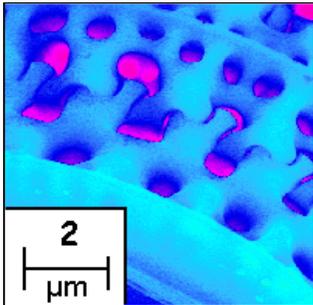
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Congratulations and thank you to our members who reached the following milestones:

Life – Andrew Nicoll  
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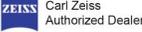
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**Long Island Chapter Meeting Schedule**

**March 21, 2018** Sustaining Members Night  
Speaker: Sal Marino  
Topic: GE Experience: from Design to Practicality  
Place: Pollo Rico, Centereach, NY

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

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

**No meetings in Dec., 2017, Jan., Feb., 2018**