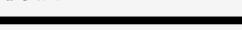




LONG ISLAND CHAPTER



Volume 57 Issue 7

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

***** SUSTAINING MEMBERS NIGHT *****

Next Meeting Wednesday, March 9, 2016

Where Pollo Rico, Centereach, NY

Topic: Lightweight, Scalable Manufacturing of X-Ray Telescope Optics

Speaker: Christopher Jensen, ReliaCoat Technologies

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 – email Peter Indrigo peterd@unitronusa.com or call 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

NASA's future X-ray astronomy missions will require X-ray optics that have large effective areas while remaining lightweight and cost effective. Two of the main functional characteristics of X-ray telescope mirrors, which drive the cost of the telescope and science of the mission, are collecting area and resolution. Traditionally X-ray optics have been made from glass ceramics that can be ground and polished to very high figure accuracy. The thick substrates required to produce high resolution glass mirrors increase the mass of the telescope and, due to the cross-sectional thickness of each mirror, limits the maximum collecting area. A state-of-the-art process of X-ray mirror manufacture will be discussed and compared to the current X-ray mirror technology.

Our Speaker

Chris Jensen received his B.E. in Engineering Science and subsequently a M.S. in Materials Science and Engineering from SUNY Stony Brook. During his career he has worked in precision optics, including thin film coating optimization, high performance mirror manufacturing and has aided in the start-up of an optics manufacturing facility overseas. He subsequently worked as a process engineer looking to optimize the growth of nano-scale materials via chemical vapor deposition processes. Currently Chris is a Senior Project Engineer at ReliaCoat technologies where he serves as Principal Investigator on several research programs as well as in the design and development of advanced sensor systems.



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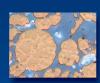
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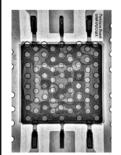
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Long Island Chapter Meeting Schedule

April 20, 2016 **Topic: Student Night**

Speaker: tbd plus poster presentations

Location: Old Field Club

Metro NY-NJ Chapter

(http://www.asminternational.org/web/metro-nynj-chapter/home)

Mar. 15, 2016 **Topic: Building the 9/11 Monument**

Speaker, Joe Moretti, Service Metal Fabricating

Location: Meson Madrid, Palisades Park, NJ

April 19, 2016 Topic: tbd

Speaker, Location: tbd

May ??, 2016 Plant tour (location tbd)

American Nuclear Society - Long Island

Section ((website http://local.ans.org/longisland)

Feb. 24, 2016 **Topic: Cancer Treatment with High-energy Proton**

Speaker: Dr. Marshall Cleand, IBA

Location: Pollo Rico, Centereach, NY

Mar. 15, 2016 Topic: tbd

Speaker, Dr. Eugene Grecheck, President, ANS

Location: Pollo Rico, Centereach, NY

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