



METALLAGRAM

LONG ISLAND CHAPTER



Volume 58 Issue 5

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

Joint Meeting with Long Island Section of the American Nuclear Society

Next Meeting Wednesday, January 18, 2017

Where Pollo Rico Latin Bistro, Centereach, NY

******* John Weeks Lecture *******

Topic: Riding the Plasma Wave into the Future of Particle Acceleration

Speaker: Christina Swinson, BNL

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 Talk

The prohibitive cost of accelerators is driving the need for alternate technologies, leading the community to pursue "table-top" solutions. We will discuss laser-plasma acceleration (LPA) as a solution to miniaturizing these machines and hopefully answer questions such as: Why plasma? When did lasers become so fashionable, anyway? Does "table-top" mean table-top? And when will LPA be ready to tackle the question of the answer to Life! ... the Universe! ... Everything!

Our Speaker

Christina Swinson is an Associate Physicist at BNL's Accelerator Test Facility where she works to support a broad range of experiments, including radiation source development, materials damage testing, free electron laser technologies and next generation particle acceleration. Educated in the UK, she received her PhD in Accelerator Physics from the University of Oxford in 2010 and joined BNL as a Postdoc the same year. Alongside participation in user experiments she pursues her own research in laser-plasma acceleration as an alternate method for accelerating particles to relativistic energies.

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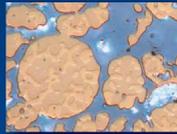


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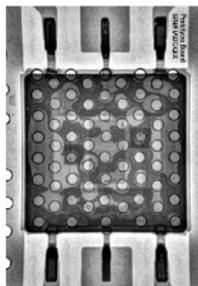
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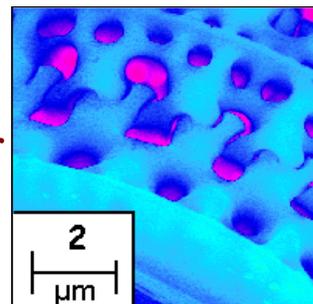
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Luca A. Servino
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Peter D. Indrigo
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No meetings in December 2016 and January 2017.

Long Island Chapter Meeting Schedule

Feb. 15, 2017 Past Chairs Night
Speaker: Karen Chen-Wiegart, BNL
Topic: Spectroscopy of metals
Location: Pollo Rico, Centereach, NY

March 22, 2017 Sustaining Members Night
Speaker: Vijay Alreja, VJ Tech.
Topic: Radiography of metals
Location: Pollo Rico Centereach, NY