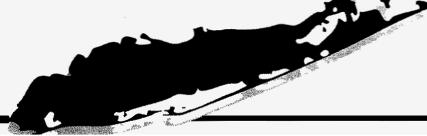




LONG ISLAND CHAPTER



Volume 59 Issue 5

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

Joint Meeting with the Long Island Section of the American Nuclear Society

Next Meeting Wednesday, January 17, 2018

Where Pollo Rico Latin Bistro, Centereach, NY

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

Topic: Real-time Evolution – The Rapidity of Technological Growth (A Cyber Security Perspective)

Speaker: Michael De Phillips, 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 Topic

As we ride the momentum of accumulated technological discovery towards fantastic new horizons, our lives are undoubtedly enhanced. Over the years, convenience has become necessity and novelties become norms. There is rarely a doubt of the goliath utility provided by the evolving computer systems and certainly there is very little time to pause. This point needs little or no support in that it is well understood that the technological changes in the last 20 years are astounding and there seems to be no end in sight. Self -driving cars, Nano-bots, "Internet of Things" are obvious examples of our next horizon. This "Cyber-Security" talk will be hinged on this concept - the effects of the rapidity of technological growth.

Introducing cutting edge technologies quickly into production profoundly affects a society. It is naive to assume that there will not be unwanted results or costs related to this introduction, be it economic or cultural. Because of the nature of technological growth, these costs are often not known until after a consequence is observed. We can learn, however, from past, even recent past, experiences, and we are far enough down the road of a computer-based existence to have some significant experience regarding the "cons" as well as the "pros" of this growth.

Cyber security certainly falls under this umbrella. The goal of this industry in not only to protect what exists but to be prepared to act on, if not guard against, what may be next. This talk will address the fact that breaches in cyber-security are only one component of potential cons. Erosion of privacy, social isolation, merchant harassment, cognitive influence and also acts of terror or war are concerns that are often discussed as cyber-security concerns. Although related they each deserve a separate conceptual bin when assessing the potential effects of technological progress, in that they may require separate safeguards or remediation. The goal of the talk is to introduce, discuss and then disentangle these concepts so that appropriate consideration and administration is given when contemplating our real-time evolution.

Our Speaker

Michael DePhillips is a Computer Scientist, Senior Technology Architect at BNL with an expertise in Cyber Security. He has worked at BNL for 27 years with an even distribution between science and Intelligence work. He is a listed as collaborating author on 120+ peer reviewed publications and is lead author/PI on more than 20 of them. Ten years of his career at BNL was with the STAR experiment, a particle physics experiment where he was database leader and online computing leader. During this time he lectured at Yale on database theory, and gave talks at MIT and other major institutions. In the time since, he has been a cleared member of the United States Intelligence Community working on Cyber and related Computer Science projects.



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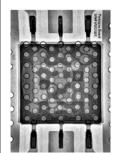
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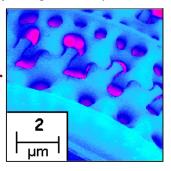
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Long Island Chapter Meeting Schedule

Feb. 21,2018 Past Chairs Night

Speaker: Lenny Marotta Topic: Titanium Implants Place: Pollo Rico, Centereach

March 21, 2018 Sustaining Members Night

Speaker: Sal Marino

Topic: GE Experience: from Design to Practicality

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

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