



METALLAGRAM

LONG ISLAND CHAPTER



Volume 67 Issue 5

Chapter website: <http://DoL1.eng.sunysb.edu/asm/>

Joint Meeting w/ LIANS

Next Meeting Wednesday, January 21, 2026

Where: Pollo Rico Latin Bistro, Centereach, NY

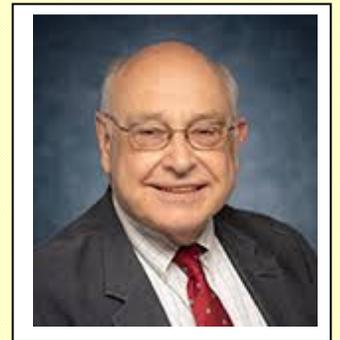
Topic: ARPA-E: The Disruption Wing of the Department of Energy (DOE)

Speaker: Dr. William Horak, ARPA-E/DOE

Social hour ... 6:00 pm Dinner ... 7:00 pm Meeting ... 8:00 pm

Members ... \$30 Guests ... \$30 Students ... \$15
(New and recently transferred-in members free)

Reservations appreciated – contact Dan Migliorino
at MigliorinoDan@gmail.com or 516-468-9615



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/>

Topic

ARPA-E is the disruption wing of the US Department of Energy. In 2007, The National Academies recommended Congress establish an Advanced Research Projects Agency within the U.S. Department of Energy to fund advanced energy R&D. In 2007, the America COMPETES Act authorized the creation of ARPA-E. In 2009, the American Recovery & Reinvestment Act, provided ARPA-E with its first appropriations of \$400 million, which funded ARPA-E's first projects. Since 2009, ARPA-E has provided \$4.07 billion in funding to more than 1,690 energy ideas, giving our country's energy disrupters the freedom to find out if their outlier ideas can have industry impact.

ARPA-E enhances the economic and energy security and technological leadership of the United States through the development of advanced energy technologies in six areas:

- 1) Reduce energy imports
- 2) Create Nuclear Fuel and Waste Solutions
- 3) Improve Infrastructure
- 4) Improve Energy Efficiency
- 5) Reduce Emissions
- 6) Ensure Technological Lead

This talk will focus on nuclear energy projects, where ARPA-E is providing transformative solutions to improve management, clean-up, and disposal of radioactive waste and spent nuclear fuel. ARPA-E projects are also laying the groundwork for the next generations of advanced nuclear reactors.

Speaker

Dr. William Horak serves as a Program Director at the Advanced Research Projects Agency-Energy (ARPA-E). His focus at ARPA-E includes advanced thermal systems, nuclear energy, and combined heat and power.

Prior to joining ARPA-E, he worked at Brookhaven National Laboratory (BNL) for more than 20 years. At BNL he served as Chair of the Energy Science and Technology Department and as Chair of the Nuclear Science and Technology Department. In these positions, Dr. Horak had a lead role in the U.S. Department of Energy's activities in response to the Chernobyl accident, including evaluations of Soviet-designed facilities. He has also implemented and managed numerous programs in nuclear safety, international safeguards, and energy-system development.

Dr. Horak has a Bachelor of Science in Aeronautical and Astronautical Engineering, a Master of Science and Ph.D. in Nuclear Engineering from the University of Illinois, and a Master of Arts from the Fletcher School at Tufts University.



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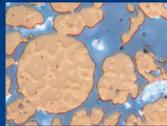
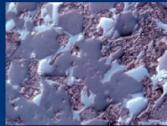
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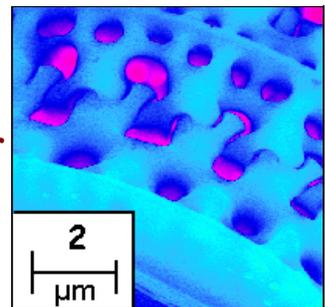
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ON-LINE FORUM

ASM now has an active on-line forum called "ASM Online Member Community". You can join by going to:

<https://www.asminternational.org/communities>

Long Island Chapter Meeting Schedule

Wed Jan 21, 2026	Joint w/ LIANS Bill Horak, ARPA-E The Disruption Wing Pollo Rico, Centereach, NY
Wed Feb 18, 2026	Maya Koga, SBU/MSCE Polymers Pollo Rico, Centereach, NY
Wed Mar 25, 2026	Brian Bick, SBU/MSCE Tribology: Oscillations, Friction & Wear Pollo Rico, Centereach, NY

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www.asminternational.org/web/metro-nynj-chapter

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