7:35-8:25

Richard Reyes
Electrical Engineer/Owner
R-Squared Systems, LLC

Applications of electricity and magnetism in electrical control circuits
Lighting and lens selection as applied in vision inspection systems
Application of physics for stabile control of motion in robotics

Mike Iassogna
Mechanical Engineer and MBA

9:25-11:15

Christine Broadbridge, Ph.D
Professor and Chairperson of Physics; Southern Connecticut State Univ.
Education Director; CRISP [Center for Research on Interface Structures an Phenomena, an NSF MRSEC]
Discussing the interdisciplinary fields of nanotechnology and materials science. There will be examples of cutting edge applications with potential to transform the future.

Bill Batzer
General Counsel - REMS, Schlumberger
Development and commercialization of remote sensing technologies used to explore for oil and gas reservoirs, such as seismics and controlled source electromagnetics. Protecting new technologies using patents and through selective "partnering" arrangements.

11:42-1:52

Albert J. Sinusas, MD
Professor of Medicine and Diagnostic Radiology, Yale University
Director of Cardiovascular Imaging

The application of the fundamental physics in imaging of the heart and vessels in patients with heart disease using ultrasound, magnetic resonance, X-ray computed tomography, and radiotracer-based nuclear imaging approaches. The physics of imaging is important for the non-invasive detection and monitoring of heart disease.

Greg Maret
Consulting Engineer and Expert Witness

Mr. Maret has been admitted by the United States Court of Federal Claims as an expert witness in the fields of Nuclear Engineering, Nuclear Power Plant Operations, Spent Nuclear Fuel Management and Nuclear Power Plant Decommissioning and will speak about what the court does and his role in it. In addition he will give some background on his studies in physics and engineering and how these have shaped his professional career.