

NAVAL SCIENCE AND TECHNOLOGY

ENGR 3109: Navy STEM Professional Development Seminar

Wednesday, April 18, 2018
5:00 pm to 6:00 pm
UConn, Storrs Campus – Laurel Hall 205

“The Evolving Role of Non-Destructive Evaluation in Manufacturing, Industrial Process Monitoring, and Asset Protection in the 21st Century”

DESCRIPTION: Since its inception in industrial practice at the beginning of the 20th century, Nondestructive Evaluation technology has played an important role in testing raw materials and assembled components in industrial processes. This role has evolved from purely testing of raw materials or cracked joints or components to extended inspections and process monitoring of large industrial facilities such as power utilities, refineries and chemical plants using NDE advanced technologies. In the 21st century, with the availability of miniaturize powerful electronics, wireless communication, data analytics and the internet, the evolution of NDE technology continues and, through continuous monitoring, is becoming an integral part of the emerging field of asset protection in industrial and civil infrastructure.

DR. VALERY GODINEZ-AZCUAGA, VICE PRESIDENT ENGINEERING & PRODUCT DEVELOPMENT MISTRAS GROUP

Dr. Valery Godinez-Azcuaga has over 25 years of experience in the field of Nondestructive Evaluation (NDE). He joined Mistras Group Inc. (then Physical Acoustics Corporation) in 1999. First as a Research Engineer and later as Director of the Research, Contracts & Applications (RC&A) group, Dr. Godinez-Azcuaga accumulated ample expertise in research, development and implementation of NDE Technologies such as Acoustic Emission, Ultrasonics, Acousto-Ultrasonics, Thermography, Real Time Radiography and Electromagnetic Methods for the Oil and Gas Industry, Traditional Electric Utilities, Wind Energy, Food, Defense, Aerospace, Geophysical and Civil Infrastructure industries.

Dr. Godinez-Azcuaga holds a Bachelor’s degree in Physics from the National Autonomous University of Mexico and a Master’s degree and a Ph.D. in Nondestructive Evaluation from The Ohio State University.

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