

The Department of Mechanical Engineering/College of Engineering and Applied Sciences  
Stony Brook University

## Mechanical Engineering Seminar



**John Metzger**

Associate Professor & Director of Nuclear Engineering  
Mechanical Engineering & Material Science  
University of Pittsburgh

### **Lecture Title: Overview of the Fukushima Daiichi Reactors**

Friday, May 13, 2011, 11AM, Room 173 Light Engineering

#### **Abstract**

On March 11, 2011 an earthquake of a 9.0 magnitude and an ensuing tsunami, that has been estimated to be as high as 14 meters, struck the northern Japanese coast. As part of this devastating disaster the nuclear power plant at Fukushima Daiichi, six boiling water reactors, experienced a complete blackout for an extended period of time. This presentation will provide an overview of the events that has resulted in the extensive damage to four of the reactors and a summary of the situation at the site.

#### **Biography**

Dr. John Metzger has over 30 years of engineering experience. He has a Bachelor of Science in Nuclear Engineering from the University of Tennessee, a Masters of Science in Nuclear Engineering from the University of Illinois, and a PhD in Nuclear Engineering from the University of New Mexico. His experience includes the analysis, design and licensing of nuclear power plants at Gilberts Associates and the Westinghouse Savannah River Company, and the design and analysis of advanced space nuclear power, propulsion and defense systems at Los Alamos National Laboratory, Grumman Aerospace Corporation and as a consultant for Positronics Research. Included in his experience is 12 years teaching and advising at the University level at Stony Brook University, the Bettis Reactor Engineering School, and the University of Pittsburgh. Dr. Metzger is a licensed professional engineer and an active member of the American Nuclear Society.

**Directions:** Please refer to website: <http://www.sunysb.edu> or call Augusta Kuhn at 631-632-8310 for more information.  
Check <http://me.eng.sunysb.edu> for any changes to location or time.

