

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

Mechanical Engineering Seminar



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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.

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