

Electric Power and Power Electronics Institute

INVITED SEMINAR

Wednesday, November 14th, 2012, 3:00pm – 3:50pm, Zachry 203

SMARTGRID: CHANGING THE PARADIGM TO ADDRESS CHALLENGES OF ELECTRICAL POWER DELIVERY

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Abstract

While societies demand for and reliance on electricity have exponentially grown in recent decades, much of today's power delivery structure has not kept pace and remains rooted in early 20th Century technology, and thus is not able to provide solutions for 21st Century engineering challenges. This lecture will explore advanced power production and delivery concepts and how they may be implemented to create economic and societal value. Consumer acceptance, Smart Grid attributes, micro grid and distributed energy benefits, and variable source grid integration will be highlighted. The goal of the lecture is to create a new approach to power by adopting new (and even radical) assumptions, notions, and definitions of power generation, delivery, and end use.

Biography

Scott Minos has worked in various positions for the United States Department of Energy (DOE) since 1986. He currently is employed as a Senior Policy and Communications Specialist for the DOE's Office of Energy Efficiency and Renewable Energy (EERE). He is responsible for developing and ensuring compliance with key communication elements promoting DOE's clean energy programs relating to alternative and renewable energy sources, energy efficiency, energy conservation, and electric transmission.

Scott received his Bachelor of Science degree in Political Science from Florida State University in 1984, his Masters in Public Policy and Political Theory from Johns Hopkins University's Institute for Policy Studies at the School for Advanced International Studies in 1988, and his Masters in Public Administration from Princeton University's Woodrow Wilson School in 1993.

Prior to his work at the DOE, Scott worked as a Press Secretary for United States Senator Paula Hawkins (R-FL, 1984-1986), as a Case Worker for a Member of the Florida House of Representatives, as well as a talk radio personality in Tallahassee and Palm Beach.

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