

Mechanical Engineering Department Seminar

Nuclear Power Outlook and Generation IV Advanced Reactor Design

Dr. Finis Southworth,

Chief Technology Officer, AREVA NP Inc.

Dr. Finis H. Southworth is the Chief Technology Officer, AREVA NP Inc. located in Lynchburg, VA. He will talk about the current state of new nuclear construction and research and progress toward advanced Generation IV reactors that will produce both electricity and hydrogen.

AREVA is a global supplier of nuclear reactors, fuel, and services covering the complete fuel cycle from mining to waste disposal and recycling. AREVA is working with Constellation Energy to bring an advanced GenIII+ reactor, the EPR, to the US and is the reference design for at least four plants currently planned in the US. The EPR is currently under construction in Finland, France, and China and is also planned for the UK. AREVA also working on GenIV reactor designs including the Very High Temperature Reactor (VHTR) for which a demonstration plant may be built at the Idaho National Laboratory (the Next Generation Nuclear Plant).

Before joining AREVA he served as the U. S. Product Manager for the Very High Temperature Gas Cooled Reactor for the U.S. Department of Energy. Earlier he was the manager of systems planning for the Florida Power and Light Company. Dr. Southworth has a Ph.D. in Nuclear Engineering Sciences from the University of Florida

Everyone is welcome to attend. All Mechanical Engineering graduate students are required to attend the seminar. Light refreshments will be served.

Location: B213 in 300 Main Street

Date: Wednesday, December 10th (tomorrow)

Time: 1pm