

Dr. Thomas F. DeLorey

Manager Neutronics Department, Areva, NP North America

Thursday, March 21, 2013 - Monte Carlo Restaurant, Lynchburg at 5:30 PM

***Overview of the Mixed Oxide (MOX) Fuel Methods Program at AREVA***



Dr. Tom DeLorey will briefly introduce the mission of the US DoE MOX program, the MOX Fuel Fabrication Facility (MFFF), the effort to develop MOX qualified codes and methods, and why AREVA is in a unique position to introduce MOX to the commercial US market.

**Speaker Biography:**

Thomas DeLorey is the Manager of the Lynchburg Neutronics Department within the Fuel Design Division at AREVA NP Inc. He received a Ph.D. in Nuclear Engineering from MIT in 1993. The same year, he joined Knolls Atomic Power Laboratory (KAPL), working on several codes and methods projects, including spatial kinetics methods and coupling between neutronics and plant analysis codes. From 1999-2004 he led the effort to re-design and implement a new analysis system for core neutronics (PUMA), which included automation, modern user interfaces, and improved connections between engineering disciplines. During this time, Tom also served as an Adjunct Professor at Rensselaer Polytechnic Institute.

In 2004, Tom accepted a position as manager of the KAPL Fluid Dynamics Laboratory, specializing in CFD qualification, two phase CFD code development, and the support of CHF testing. Since 2006, Tom has been with AREVA in Lynchburg, VA, serving as an Advisory Engineer, Supervisor of the neutronics Codes & Methods group, and eventually his current position as Manager of Neutronics Lynchburg. His department is currently working through the US DoE MOX project to provide qualified codes and methods to allow the commercial use of surplus Plutonium.

**Schedule:**

- Social Hour - 5:30 p.m.
- Dinner - 6:00 p.m.
- Presentation - 7:00 p.m.
- Adjourn - 8:00 p.m.
- Directions to the [Monte Carlo Restaurant](#) (3230 Old Forest Road, Lynchburg)

**COST:** \$25 (\$10 for students) includes dinner. The registrations has closed as of 4 p.m. on Tuesday, March 19, 2013. Please address any questions to [Pascal Brocheny](#).