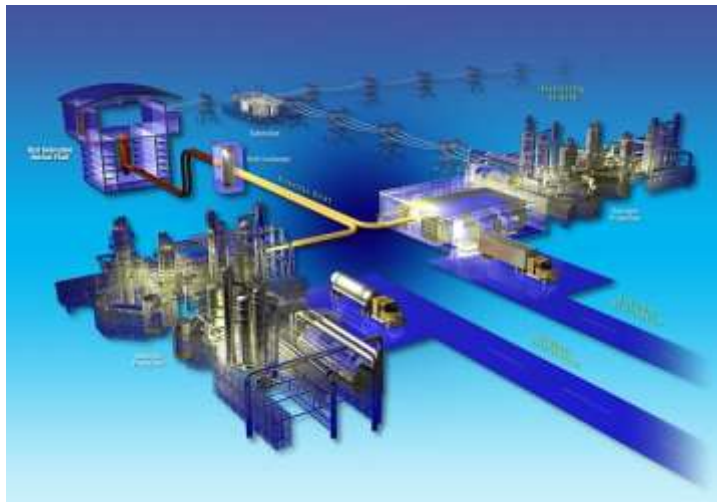


Dr. Finis Southworth

Chief Technology Officer, AREVA NP, Inc.
Lynchburg, VA

Thursday, October 18, 2012 - Charley's Restaurant, Lynchburg, VA at 5:30 PM

***SC-HTGR - a Generation IV helium cooled reactor for
cogeneration of process heat and electricity***



(image courtesy of www.ngnpalliance.org)

In February 15, 2012 the Next Generation Nuclear Plant (NGNP) Industry Alliance LLC announced that AREVA's prismatic core, 625 MW thermal, steam cycle modular high temperature gas-cooled reactor (SC-HTGR), AREVA's HTGR Generation IV reactor, was selected as the reactor design concept to provide high temperature process steam for industrial applications and electricity production. The industrial end-user requirements have been the primary consideration for making this advanced technology selection over other small modular reactors. The co-generation aspects offer long term, predictable energy supply. The SC-HTGR design offers excellent passive and inherent safety features while producing unique high temperature performance capabilities that are well suited for co-generation providing a broad range of process heat and/or power generation applications. Dr. Finis Southworth will present information about the reactor concept and give an update of the progress of the project.

Speaker Biography:



Dr. Finis H. Southworth is the Chief Technology Officer, AREVA NP Inc. located in Lynchburg, VA. He received his Ph.D. in Nuclear Engineering Sciences from the University of Florida in 1974. Finis then joined the Graduate Faculty at the University of Illinois teaching in the Nuclear Engineering Program and conducting research in fusion. Finis subsequently joined Florida Power & Light Co. (FP&L) in 1977, where he helped develop the FP&L reload analysis capability for their four nuclear reactors and supervised the design and procurement of 24 reload cores.

In 1990, Dr. Southworth went to the Idaho National Laboratory (INL) as the Group Manager, Fuel and Target development for the New Production Reactor. From 1994 to 2005 at INL, he served as the manager of Systems Engineering and lastly as the Director of the Project Management Office. In 2000-2006 at INL, Dr. Southworth was also the Technical Director for the Generation IV Roadmap-Gas Reactors, US Product Manager for the Generation IV Very High Temperature Gas Cooled Reactor (VHTR) and Chair of the international steering committee for the development of the VHTR.

Since 2006, Dr. Southworth is the Manager of the High Temperature Reactor Program at AREVA NP Inc. As such, he is responsible for long range nuclear power development of high temperature reactors and their deployment. Since December 2007, Dr. Southworth serves as Chief Technology Officer for AREVA NP Inc., responsible for R&D, strategic university relationships, and intellectual property. Finis also serves on Academic Advisory Boards for Virginia Tech, North Carolina State University, Texas A&M, and Idaho State University.

Schedule:

- Social Hour - 5:30 p.m.
- Dinner - 6:00 p.m.
- Presentation - 6:45 p.m.
- Adjourn - 8:00 p.m.
- Directions to the [Charley's Restaurant](#)
 - 707 Graves Mill Road
Lynchburg, VA 24502
(434) 237-5988

COST: \$30 (\$20 for students) includes dinner. Choices for dinner include Prime Rib Au Jus, Grilled Salmon, Chicken Cordon Blue. Please include your choice when registering. It may be possible to arrange for vegetarian or special needs meals if you contact [Jonathan Witter](#).

Reservations for the meeting were closed 9 p.m. on Monday, October 15, 2012. Please address any questions to [Jonathan Witter](#).