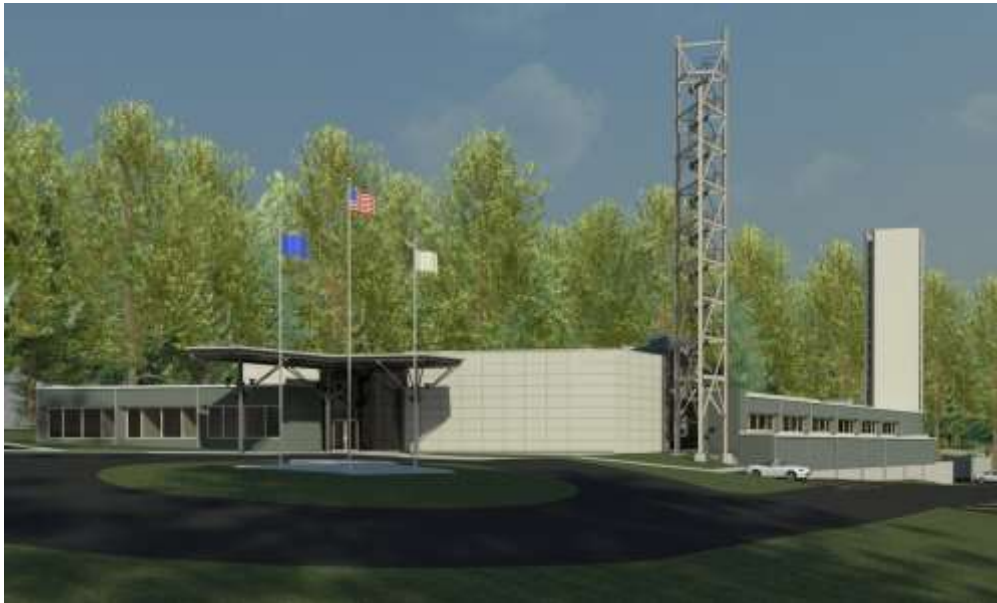


Mr. Bob Bailey

Director of the Center for Advanced Engineering and Research



September 22, 2011 - [Center for Advanced Engineering and Research](#), Forest, VA at 5:30 PM

***"The Mission of the CAER"
(with tours of the newly opened facility)***

The Center for Advanced Engineering & Research is a Region 2000 initiative to develop an industry-focused regional research and development center that drives the development of innovative products and processes by providing local access to university and federal research and inventions. It targets the growth industries specific to the region and puts university innovations into action through practical implementation in industry. The CAER is dedicated to the creation of an industry-based research hub in Region 2000 that will bring together private and public money, talent and resources to foster knowledge creation, facilitate technology transfer and improve the scientific and engineering workforce to benefit local industry. Current areas of focus for the Center for Safe and Secure Nuclear Energy include:

- Control Room and Human Interface Technology
- Secure and Safe Technologies for Nuclear Power Plant Operations
- High Performance Modeling and Simulation of Nuclear Power Plant Processes
- Assessment of New Digital Technologies for Instrumentation and Control
- Human-Machine Interface Technology

The presentation by Bob Bailey will include information about current research and time for tours of the facility.

Biographical Information for Speaker Mr. Bob Bailey



The CAER Director Bob Bailey has over ten years experience in technology-based workforce and economic development and 15 years experience in industry. His background involves the blending of strong technical skills with extensive planning and management skills.

After graduating from the College of William and Mary with a B.S. in Physics (graduated with High Honors) and spending a year as a teaching assistant at Duke University in physics, Bob joined Limatorque Corporation as a sales engineer. Over the next 15 years, Bob held a series of positions of increasing responsibility in all areas with this manufacturer of industrial equipment. His experience included positions in sales, marketing, technical support, manufacturing and management. Positions held include sales engineer, program manager, sales support manager, service manager, and product manager. Industries served include nuclear power, petrochemical, utilities, HVAC and marine.

Bob was the founder of the Advanced Manufacturing Technology Association, a non-profit industry trade group in Virginia's Region 2000 dedicated to promoting manufacturing as an attractive career choice and providing education and training opportunities in manufacturing, and served as Executive Director of AMTEC, a training center that is a collaboration between industry and Central Virginia Community College. Bob has also been Executive Director of the

VCCS Institute for Excellence in Advanced Technology. In this position, Bob worked with all 23 colleges in the VCCS to develop advanced technology programs, market the ability of the VCCS to deliver these programs, and promote collaboration among colleges and industry in advanced technologies such as biotechnology, advanced manufacturing, electronics, CADD, and geospatial technologies.

In addition he has experience with the National Science Foundation Advanced Technology Education (ATE) program. He has served as a project manager for NSF-ATE grants as well as serving on National Visiting Committees and as an outside evaluator for NSF-ATE grants at other institutions

Bob has served on numerous boards and groups for a variety of organizations. These include IEEE working groups, curriculum advisory committees, Society of Manufacturing Engineers, Chairman of the Valve Repair Council, William and Mary Alumni Society and Admissions Network, president of Little League baseball, and an ordained Elder in the Presbyterian Church, USA.

Schedule:

- Social Hour - 5:30 p.m.
- Dinner - 6:15 p.m.
- Presentation and tours - 7:00 p.m.
- Adjourn - 8:15 p.m.
- [Directions to the CAER Facility](#)

COST: \$30 (\$15 for students) includes dinner.

Reservations for the meeting must be made by 4 p.m. on Thursday, September 15, 2011. Please fill out the registration form below. Please address any questions to [Jonathan Witter](#).