

(Attachment #5)

SUNRISE (Southeast Universities Nuclear Reactors Institute for Science and Education)

MEMBERS
ACADEMIA
Clemson University
Georgia Institute of Technology
Mississippi State University
Missouri University of Science & Technology
North Carolina State University
South Carolina State University
University of Florida
University of South Carolina
University of South Carolina – Aiken
University of Tennessee
Virginia Polytechnic Institute & State University
INDUSTRY
AREVA NP
Flour Corporation
General Atomic
Westinghouse Electric
Other Private Sector
Economic Development Partnership of Aiken and Edgefield Counties
South Carolina Universities Research and Education Foundation
SUNRISE HAS MOU'S WITH:
Oak Ridge National Laboratory
Savannah River National Laboratory



SUNRISE

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- A consortium of universities has established SUNRISE non-profit organization in 2007:
 - SUNRISE is a consortium of 11 universities, 4 vendors, and 2 non-profit organizations.
 - SUNRISE has signed MOUs with the two southeast national laboratories, i.e., ORNL and SRNL
- SUNRISE is advocating a two-pronged approach for the enhancement of our nation’s nuclear workforce, research and technical support.:
 - The technical approach addresses the need for development of a new specialized critical facility, research reactor, and supporting laboratory and administrative facilities.
 - The functional approach is the establishment of a single organization that can be utilized by government agencies and the nuclear industry to assist in providing a qualified workforce, to be engaged in nuclear-related research, and to provide technical assistance.
- SUNRISE membership has studied and developed a concept paper for design and construction of a Low Power Critical Facility (LPCF), Dec 2010.
- SUNRISE leadership (led by Prof. Ali Haghghat) has been active in promoting the LPCF concept by:
 - Discussion with various stakeholders on the concept and placement of the LPCF;
 - Organizing the 2012 Symposium on Low Power Critical Facilities at the VTRC at Arlington for March 12, 2012.