



News from the Savannah River National Laboratory

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FOR IMMEDIATE RELEASE

SRNL's Lam Elected Fellow of ASME

AIKEN, S.C. (August 2, 2011) – Dr. Poh-Sang Lam, a senior fellow engineer with the U.S. Department of Energy's Savannah River National Laboratory, was elected as a Fellow of ASME. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines. The grade of Fellow recognizes outstanding engineering achievement; the distinction has been granted to fewer than 3 percent of ASME's 111,000 members.

Dr. Lam was recognized both for his achievements in research and development and for his leadership in the engineering profession. "Dr. Lam has been an important contributor to many of SRNL's important initiatives," said Dr. Natraj Iyer, SRNL Director of Materials Science & Technology, "from the days when we worked with the Savannah River Site reactors through our current work in waste management and clean energy technologies." One of his areas of expertise is fracture mechanics (the field that specializes in understanding what makes a material crack) wherein he developed fracture methodologies to ensure the structural integrity of DOE defense nuclear reactors and high level nuclear waste tanks.

He is currently working on projects that benefit the energy sector, electronics industry, groundwater management, and homeland security. These include studying the effects of hydrogen on materials used in energy storage, micro scale characterization of cementitious materials used in environmental management, and development of micro/nanofluidic sensors for detecting chemical and biological agents.

He chaired ASME Pressure Vessels and Piping Division Materials and Fabrication Committee and served as an Associate Editor for the *Journal of Pressure Vessel Technology*. He was an adjunct professor at the University of South Carolina and is currently an adjunct faculty with the Institute for Regenerative and Reparative Medicine at Georgia Health Sciences University. He was appointed by UNESCO (United Nations Educational, Scientific, and Cultural Organization) as a co-Honorary Theme Editor for the Encyclopedia of Life Support Systems project on Pressure Vessels and Piping Systems. He has more than 130 technical publications.

SRNL is DOE's applied research and development national laboratory located at the Savannah River Site. SRNL puts science to work to support DOE and the nation in the areas of environmental management, national and homeland security, and energy security. The management and operating contractor for SRS and SRNL is Savannah River Nuclear Solutions, LLC.

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