



News from the Savannah River National Laboratory

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FOR IMMEDIATE RELEASE

SRNL's CAROL JANTZEN HONORED BY AMERICAN CERAMIC SOCIETY

AIKEN, S.C. (Oct. 20, 2008) – The American Ceramic Society (ACerS) Board of Trustees has elected Dr. Carol Jantzen of the U.S. Department of Energy's Savannah River National Laboratory for elevation to Distinguished Life Membership in ACerS. Distinguished Life Membership is the Society's most prestigious level of membership and is awarded in recognition of a member's contribution to the ceramics profession. In over 75 years, only 130 people have been selected for this recognition. She was recognized at the ACerS 110th annual meeting this month.

Dr. Jantzen, of Aiken, S.C., is an internationally recognized ceramics expert with over 32 years experience in technologies for the safe management and disposal of high-level radioactive, low-level radioactive, and hazardous wastes in both the United States and Europe. She has performed extensive and innovative research which included deployment of various stabilization technologies associated with glass, ceramic, mineral, and cementitious waste forms. Most notably, Dr. Jantzen developed the statistical process control models which have reliably controlled the world's largest and the US's first high-level waste glass vitrification facility (the Savannah River Site Defense Waste Processing Facility) for the past 15 years. Other notable contributions were the development and deployment of the first Transportable Vitrification System at Oak Ridge, and her role in the conversion of radioactive/hazardous wastes to a glass, which allowed the closure of a waste site at SRS.

She has authored over 250 publications and has eleven U.S. patents. Dr. Jantzen began her career in nuclear waste disposal while completing a 3 year post-doctoral fellowship at the University of Aberdeen in Scotland. She received her B.S. and M.S. Degrees in geochemistry from Queens College of the City University of New York and her Ph.D. in Materials Science and Engineering from the State University of New York at Stony Brook. In addition to her position at SRNL, she is an Honorary Professor in the Department of Chemistry at the University of Aberdeen.

Dr. Jantzen was the first woman President of the ACerS (1996-1997) and was on the Board of Trustees for 14 years in various capacities. She is an ACerS Fellow and an Associate Editor of the ACerS Journal. She founded and remains active in the ACerS student mentor program.

In early 2008 she was the recipient of the Wendell D. Weart Lifetime Achievement Award, which is sponsored by Sandia National Laboratories, to recognize long-term commitment to solving significant nuclear waste management issues.

SRNS-08-17

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