

Meet the Presenter...

Alena Paulenova



Dr. Alena Paulenova is Associate Professor in the Department of Nuclear Engineering and Director of the Laboratory of Transuranic Elements at the OSU Radiation Center. She is also Adjunct Professor at the Department of Chemistry at Oregon State University, a Joint Research faculty with Idaho National Laboratory, Division of Aqueous Separations and Radiochemistry and a member of the INEST Fuel Cycle Core Committee.

She received her Ph.D. in Physical Chemistry in 1985 from the Moscow/Kharkov State University. Until 1999, she was a faculty member at the Department of Nuclear Chemistry and Radioecology of Comenius University in Bratislava, then a visiting scientist at Clemson University and Washington State University in Pullman. In 2003 she joined the faculty at OSU as a Coordinator of the Radiochemistry Program at OSU Radiation Center to bring her experience to the task of helping to educate a new generation of radiochemists: <http://oregonstate.edu/~paulenova/>.

Her research interest has focused on application of radioanalytical and spectroscopic methods to speciation of radionuclides in aqueous and organic solutions and development of separation methods for spent nuclear fuel cycle processing, decontamination and waste minimization. The main efforts of her research group are fundamental studies of the kinetics and thermodynamics of the complexation of metals, primary actinides and fission products, with organic and inorganic ligands and interactions with redox active species, and the effects of radiolysis and hydrolysis in these systems.



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