National Analytical Management Program (NAMP)
U.S. Department of Energy Carlsbad Field Office

TRAINING AND EDUCATION SUBCOMMITTEE

# Radiochemistry Webinars

## *Actinide Chemistry Series*

**NAMP invites you to attend a web-based course on specific radiochemistry topics developed in cooperation with the EPA and university partners. The topics in the Actinide Chemistry Series are designed to strengthen the participant in areas of professional engineering practice identified by the nuclear industry or national laboratories, including but not limited to actinide chemistry in the environment and in the nuclear fuel cycle. The course is delivered as a series of short (1 ½ to 2-hour) webinars on specific radiochemistry topics presented by renowned university professors and leading scientists in radiochemistry. This course offers the participant a comprehensive overview on the different topics of interest and concern and provides understanding of the advances and challenges that actinide chemistry faces today.**

**Who Should Attend:** **Laboratory technicians** **Chemists** **Geochemists** **Regulators** **Managers**

**Register free to attend at:**
https://foodshield.connectsolutions.com/actinide/event/registration.html

For more information, please contact: Berta Oates at boates@portageinc.com

***REGISTER NOW* for the first webinar presented in this series: *Overview of Actinide Chemistry***

## An Overview of Actinide Chemistry:

**Webcast:** Friday, April 20, 2012, at 1:00 pm Eastern Time, 12:00 pm Central Time

**Learning Objectives:** The series opener provides an overview of the fundamental chemistry of 5-f group of elements, focused on their coordination and redox behavior important for their speciation in the environmental and chemical process matrices.

## Meet the Presenter…

*Alena Paulenova*

Dr. Alena Paulenova is an Associate Professor in the Department of Nuclear Engineering and Adjunct Professor at the Department of Chemistry at Oregon State University.

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.

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.

For more information about NAMP, visit: http://www.inl.gov/namp

**Future Webinar Topics**

- Uranium Chemistry
- Plutonium Chemistry
- Environmental Chemistry of Uranium and Plutonium
- Analytical Chemistry of Uranium and Plutonium