Educational, Research and Training Curricula at the University of Utah
Nuclear Engineering Program

The presentation will introduce main aspects of the fast growing Nuclear Engineering Program at the University of Utah. From 2009, the Program has established itself nationally and internationally with proven styles for successful highly diversified yet fundamental research, education and training. With handful faculty, 44 graduate students and over 50 undergraduate students, all involved in research, over $5 mil dollars funding in research and fellowships, the only one nuclear forensics graduate program track in country, and disclosed inventions in many areas of research and development, the Program has been found to be unique in its stature for continuous growth. The talk will introduce a research that spans from reactor modeling and advanced visualizations, nuclear forensics, use of neutron activation analysis in designing new nuclear engineering materials and miniature devices for space explorations, and will highlight a safety culture and training toward successful response to unexpected disasters. We are the only one university nuclear reactor research facility that mirrors a rigor of nuclear power plant operation and includes all students in such training. This approach is proving to be one of a kind and it provides a rich foundation in preparation of our students for nuclear jobs.

Short Biography
Professor Tatjana Jevremovic received her BS and MS degrees in nuclear engineering at the University of Belgrade, Serbia and worked as a project manager in Energoprojekt Co., in Belgrade (Serbia). From 1990 she spent 11 years in Japan where she firstly received her PhD degree form the University of Tokyo in nuclear engineering, and then spent additional two years as a professor. From 1996 she worked as Chief Engineer in Nuclear Fuel Industries, Ltd. where she developed a novel methodology for nuclear reactor physics assessments. The methodology is to date used in Japan for BWRs' re-licensing evaluations. In 2001, she relocated to Purdue University, in Indiana and in 2009 she moved to the University of Utah where she holds a prestigious position of a Chair Professor and she is head of the Nuclear Engineering Program and the Director of the nuclear engineering facility that includes 100 kW TRIGA and numerous state-of-the-art laboratories. She has established the safety culture based on the DevonWay intelligent software tracking and corrective action system, and thus trains students in the framework of nuclear power plants safety environment. She has published over 200 papers in journals and conferences, and she authored the book, Nuclear Principles in Engineering. She serves on many committees nationally and internationally, and she is a consultant to IAEA. Currently, she advises over 30 students in their individual research.