

Meet the Presenter...

Dr. Thomas Hartmann

Dr. Thomas Hartmann is an Associate Professor in the Department of Mechanical Engineering at the University of Nevada – Las Vegas, and a joint appointee with the Idaho National Laboratory (INL). At UNLV, Dr. Hartmann teaches courses in Nuclear Engineering, X-ray Crystallography, and Structure & Materials.

Dr. Hartmann graduated with an M.S. in Mineralogy/Crystallography in 1991, and with a Ph.D. in Mineralogy from the University of Heidelberg, Germany in 1995. In 1997 he was a postdoctoral fellow at Los Alamos National Laboratory (LANL), becoming a staff member in 1999 and working at the Waste Isolation Pilot Plant (WIPP) in Carlsbad, New Mexico.

Between 2006 and 2013 Dr. Hartmann was a Research Professor at the UNLV Harry Reid Center and at Idaho State University (ISU). For his thesis, Dr. Hartmann studied the ternary phase system Rh-Pd-Te under the conditions of high-level waste vitrification at the Karlsruhe Institute of Technology and worked within a joint appointment with SIEMENS/KWU before becoming a postdoctoral fellow at LANL. Since 2006 he has been a joint appointee with INL on the fabrication and characterization of advanced metallic fuels. His current research at UNLV focuses on the development and properties of novel waste forms to immobilize technetium-99, and the characterization of metallic fuel plates from the RERTR (Reduced Enrichment of Research and Test Reactors) program.



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