## Glenn T. Seaborg Center Seminar

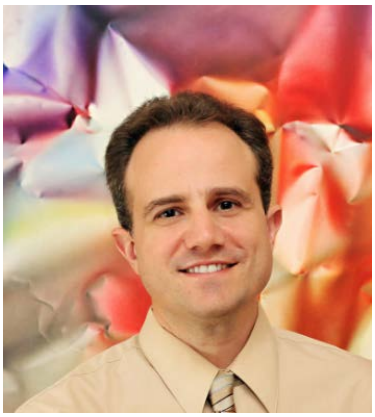
# Basking in the Glow of Californium


## *Thomas Albrecht-Schmitt*

***Department of Chemistry and Biochemistry***
***Florida State University, Tallahassee FL***


**Wednesday, May 6, 2015**
**4:00 pm – 5:00 pm**
**Bldg. 70A, Room 3377**


The focus of this talk is to elucidate periodic trends across the actinide series, and to explain how these studies led to the development of a new theory that can be used to predict the formation of covalent bonds with actinides. The talk will focus primarily on the comparative chemistry of transuranium elements and will highlight recent discoveries with californium. Actinide chemists and non-initiates alike will gain a fundamental understanding of the chemistry of *f*-elements from this talk.

Prof. Thomas Albrecht-Schmitt r eceived his B.S. in Chemistry from Southwest Minnesota State University in 1993, and his M.S. and Ph.D. in Inorganic Chemistry from Northwestern University in 1994 and 1997, respectively with James Ibers. He did a brief post-doc at the University of Illinois. He spent the early part of his career at Auburn University where he began conducting research into the solid-state and materials chemistry of lanthanides and actinides. It was during this time that he developed close collaborations with Dr. Richard Haire, emeritus Corporate Fellow at Oak Ridge National Laboratory. He began to increase his focus on the chemistry of transuranium elements while at Auburn, which was largely inspired by Dr. Haire, and he substantially expanded these efforts during his tenure at the University of Notre Dame. He currently holds the Gregory R. Choppin Chair in Chemistry at Florida State University. His group's interests include numerous aspects of f element chemistry and physics including synthesis of new materials, crystallography, nonlinear optics, thermoelectrics, magnetism, optical spectroscopy, vibronic coupling, ion-exchange, separations, and radiation damage.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