

## DATES & DEADLINES 2012

June 29	Deadline for abstract submission
August 31	Notification of abstract acceptance
June 4 – September 14	Early-Bird registration
September 15 – November 7	Registration
November 5 – 7	International Workshop on Advanced Techniques in Actinide Spectroscopy

## REGISTRATION FEES

Early-Bird registration	150 € (June 4 – September 14)
Registration	175 € (from September 15)

## CONTACT

Helmholtz-Zentrum Dresden-Rossendorf e.V.  
Institute of Resource Ecology  
Bautzner Landstrasse 400  
D-01328 Dresden

Dr. R. Steudtner phone: +49 351 260 2895  
Dr. K. Müller phone: +49 351 260 2438  
e-mail: [atas@hzdr.de](mailto:atas@hzdr.de)

<http://www.hzdr.de/atas>



*Dresden*



International Workshop on

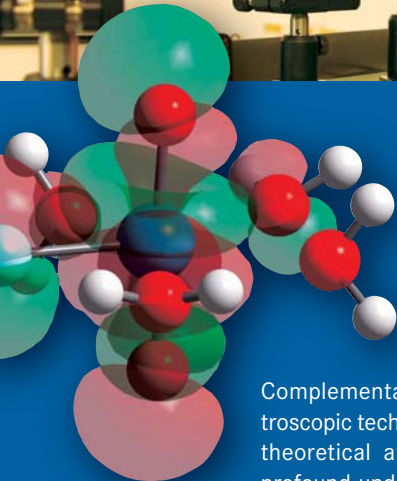
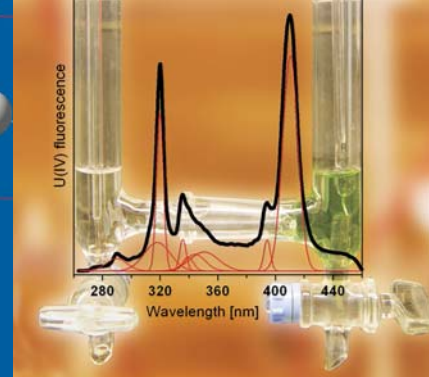
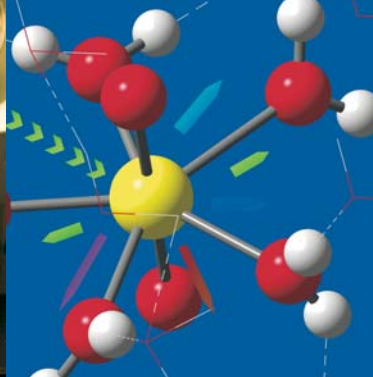
## ADVANCED TECHNIQUES IN ACTINIDE SPECTROSCOPY (ATAS)

November 5 – 7, 2012

Helmholtz-Zentrum Dresden-Rossendorf, Germany

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Complementary application of various spectroscopic techniques and their combination with theoretical approaches can lead to a more profound understanding of structures, thermodynamics and kinetics of actinide complex formation. The workshop focuses on recent advances in actinide chemistry from both a spectroscopic and theoretical point of view. It covers vibrational spectroscopy (IR and Raman), laser-induced spectroscopy (luminescence and photoacoustic), X-ray absorption spectroscopy (XAS) and quantum chemical calculations.

Improvements of *in situ* experimental setups, applications of quantum chemical methods in predictive and interpretative ways as well as new data processing algorithms are major topics. Extended discussions shall be placed on current developments of the spectroscopic methods towards more challenging environmental conditions (such as alkaline pH values, low actinide concentrations), enhancing techniques to resolve kinetic processes, extending the range of covered elements and redox states, increasing spatial resolution, and improving signal-to-noise ratios.

#### SCIENCE ADVISORY BOARD

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<b>Takumi Saito</b>	University of Tokyo (Japan)
<b>Ping Yang</b>	Pacific Northwest National Laboratory (USA)

- The number of participants is limited to 75.
- Oral and poster presentation requires abstract submission. Templates are available at [www.hzdr.de/atas](http://www.hzdr.de/atas).