



Contribution ID: 24

Type: **Oral**

## Advanced X-ray spectroscopy of actinides

*Wednesday 21 May 2014 09:15 (35 minutes)*

This contribution will provide a brief overview of recent progress in X-ray spectroscopy of actinides in the hard and tender X-ray range. We will focus on the high-energy-resolution X-ray fluorescence detected (HERFD) absorption spectroscopy and resonant inelastic X-ray scattering (RIXS) at the U L3 and M4,5 edges of different uranium systems. In connection with latest results, the capabilities and limitations of the experimental techniques and theoretical methods for data analysis will be discussed in details.

**Primary author:** Dr KVASHNINA, Kristina (European Synchrotron Radiation Facility)

**Presenter:** Dr KVASHNINA, Kristina (European Synchrotron Radiation Facility)

**Session Classification:** Solid State Chemistry and Physics of the Actinides

**Track Classification:** Solid State Chemistry and Physics of the Actinides