

Actinide XAS 2014

Wednesday 21 May 2014

Actinides in Environmental and Life Sciences - Festsaal - Plenum (10:20 - 12:20)

-Conveners: David Shuh

time	[id] title	presenter
10:20	[55] Cs sorption-desorption mechanisms on clay minerals by XAFS, STXM, DFT calculation methods	Dr YAITA, Tsuyoshi
10:55	[28] Speciation of reduced U(IV) in contaminated sediments and laboratory reactors	Dr BOYANOV, Maxim
11:20	[62] U(IV) release from a mining impacted wetland	Prof. BERNIER-LATMANI, Rizlan
11:55	[63] Interaction of plutonium and neptunium with magnetite under anoxic conditions: Reduction, surface complexation, and structural incorporation	Dr SCHEINOST, Andreas

Actinides in Environmental and Life Sciences - Festsaal - Plenum (13:20 - 15:30)

-Conveners: Daniel Grolimund

time	[id] title	presenter
13:20	[53] Interfacial reactivity of Pu and Th at the muscovite (001) basal plane	Dr SCHMIDT, Moritz
13:55	[65] Actinide environmental speciation: Source-dependent vs. source-independent species	Prof. KALMYKOV, Stepan
14:30	[13] Microscale analysis of U(VI) uptake by argillaceous rocks using synchrotron radiation X-ray methods	Dr OSAN, Janos
14:55	[64] Synchrotron radiation study of actinide sorption and diffusion in natural clay	Prof. REICH, Tobias

Actinides in Environmental and Life Sciences - Festsaal - Plenum (16:00 - 17:40)

-Conveners: Daniel Grolimund

time	[id] title	presenter
16:00	[25] Competitive uptake behaviour of radionuclides in cementitious material	Dr VESPA, Marika
16:25	[45] XAS studies of radionuclide incorporation into mineral phases	Dr SHAW, Sam
16:50	[46] Monazite as promising candidates for nuclear waste management: Structural characterization by X-ray Absorption Spectroscopy	Dr LOZANO-RODRIGUEZ, M. Janeth
17:15	[9] Bioaccumulation and speciation of europium in sponge <i>A. Cavernicola</i>	Ms MALOUBIER, Melody

Thursday 22 May 2014

Actinides in Environmental and Life Sciences - Festsaal - Plenum (08:40 - 09:50)

-Conveners: Rainer Dähn

time	[id] title	presenter
08:40	[17] The role of phosphorous biochemistry in actinide human contamination	Prof. DEN AUWER, Christophe
09:15	[37] Using XAS to probe radionuclide biogeochemistry in complex environmental systems	Prof. MORRIS, Katherine