



# XAFS16

## Monday, August 24, 2015

### V: Radionuclides, actinides, earth and environmental - 2 (10:40 AM - 12:00 PM)

| time     | [id] title  | presenter              |
|----------|---|------------------------|
| 10:40 AM | [9] Coordination environment of Hg(II) bound to E. coli in the presence and absence of organic ligands: influence of metabolic activity | Mrs THOMAS, Sara       |
| 11:00 AM | [10] An X-ray absorption spectroscopy study of Cd binding onto a halophilic archaeon  | Mr SHOWALTER, A.R.     |
| 11:20 AM | [11] Absorption and Mobility of Cr and Zn in Soil in the Vicinity of Jordan River   | Mr HARFOUCHE, Messaoud |
| 11:40 AM | [12] Zn K-edge XAFS for the study of river material reactivity towards metals   | Mr LE MEUR, Mathieu    |

### V: Radionuclides, actinides, earth and environmental: Radionuclides, actinides, earth and environmental (1:20 PM - 3:10 PM)

| time    | [id] title   | presenter       |
|---------|--|-----------------|
| 1:20 PM | [33] Zn(II)/Cu(II) cross-coordination to Ab peptides can modulate the peptide aggregation propensity. A XAS structural study | DE SANTIS, E.   |
| 1:40 PM | [32] Insights into the electronic structure of iron atoms in FeMo cofactor of nitrogenase and related models                 | KOWALSKA, J.    |
| 2:00 PM | [31] Metal-hydride intermediates in FeFe and NiFe hydrogenase enzymes detected and characterized by XAS/XES and DFT          | KOSITZKI, R.    |
| 2:20 PM | [30] Progress in XANES ab initio calculations of complex metalloenzymes with two metal centers                               | CHU, W.S.       |
| 2:40 PM | [34] Characterization of surface contaminants of medical devices   | POLLAKOWSKI, B. |

## Tuesday, August 25, 2015

### V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental (9:00 AM - 9:40 AM)

| time    | [id] title   | presenter      |
|---------|--|----------------|
| 9:00 AM | [145] Emerging applications of high-resolution XANES spectroscopy in environmental science | MANCEAU, Alain |

### V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental - Audimax A (10:30 AM - 11:50 AM)

| time     | [id] title   | presenter    |
|----------|--|--------------|
| 10:30 AM | [84] Exploring the formation and structural diversity of Fe(III)-precipitates in aquatic systems using XAS | VOEGELIN, A. |
| 10:50 AM | [85] Probing the 3d states of Fe in goethite using Al K-edge XANES spectroscopy                            | UCHER, M.    |
| 11:10 AM | [86] Metal (Hydr)oxides for the removal of Cr(VI) from drinking  | FANI, P.     |
| 11:30 AM | [87] X-ray microspectroscopic investigations of heavy metal uptake by argillaceous rocks                   | DÄHN, R.     |

### V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental - Audimax A (1:30 PM - 3:20 PM)

| time    | [id] title  | presenter      |
|---------|---|----------------|
| 1:30 PM | [106] XAFS in high-energy-density matter: solid iron up to 560GPa   | PING, Y.       |
| 2:00 PM | [107] Structural Properties of Sodium-Rich Carbonate-Silicate Melts: An In-situ High-Pressure EXAFS Study on Y and Sr | POHLENZ, J.    |
| 2:20 PM | [108] An XAS study of lead speciation in chloride solutions under hydrothermal conditions                             | RAE, N.        |
| 2:40 PM | [109] Large area – high spatial resolution iron XANES mapping of impact melt-bearing breccias                         | WARD, M.J.     |
| 3:00 PM | [110] Discovering effect of radiation interaction on color of freshwater cultured pearls                              | PONGKRAPAN, S. |

### V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental - Audimax A (3:50 PM - 5:10 PM)

| time    | [id] title   | presenter     |
|---------|--|---------------|
| 3:50 PM | [131] Ground state character in high-resolution x-ray absorption at M, N and O edges of actinides    | BUTORIN, S.M. |
| 4:10 PM | [132] Using X-ray Raman to Study Soil Carbon Biogeochemistry   | MISHRA, B.    |
| 4:30 PM | [133] XAFS study of copper(II) diethylenetriamine complexes having different coordination geometries | GAUR, A.      |

|         |   |           |
|---------|---|-----------|
| 4:50 PM | [134] X-Ray Absorption Spectroscopic analyses of stable Fe-phases in aged cements | VESPA, M. |
|---------|---|-----------|

# Thursday, August 27, 2015

**V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental (8:10 AM - 9:00 AM)**

**V: Radionuclides, actinides, earth and environmental: V: Radionuclides, actinides, earth and environmental (10:30 AM - 12:10 PM)**