# JUM@P '13: Joint Users' Meeting at PSI 2013

## Wednesday, 18 September 2013

**Poster session I and lunch - WSLA - Foyer (12:15 - 14:15)**

| [id] title | presenter | board |
|---|---|---|
| **[195] Unraveling biological and physical processes with 3D imaging and quantification** | Mr MADER, Kevin | 1 |
| **[241] Distinction of liquid water and ice based on dual spectrum neutron imaging** | Mr BIESDORF, Johannes | 2 |
| **[187] Ptychographic X-ray nanotomography: a new insight into the most primitive vertebrate skeleton** | Dr MARTÍNEZ PÉREZ, Carlos<br>Dr GUIZAR-SICAIROS, Manuel | 3 |
| **[193] Time-resolved (4D) in situ x-ray tomographic microscopy at TOMCAT: Understanding the dynamics of materials during elevated temperature processes** | FIFE, Julie Louise | 4 |
| **[243] Localization and Quantification of Phosphoric Acid in HT-PEFCs by X-Ray Tomographic Microscopy** | Mr EBERHARDT, Sebastian | 5 |
| **[231] Hygro-mechanical behaviour of wood investigated by Synchrotron radiation X-ray Tomographic Microscope.** | Mrs PATERA, Alessandra | 6 |
| **[217] A device for immunotheraphy against Alzhaimer's disease : the challenge of measuring amyloid β plaques at TOMCAT beamline** | Dr ASTOLFO, Alberto | 7 |
| **[178] Visualization and stereological characterization of individual rat lung acini by high-resolution X-ray tomographic microscopy** | Dr HABERTHÜR, David | 8 |
| **[184] Phase contrast mammography: A novel tool for breast cancer screening and diagnosis** | Dr WANG, Zhentian | 9 |
| **[219] In-vivo study of lung physiology with sub-second X-ray tomographic microscopy** | LOVRIC, Goran | 10 |
| **[237] Estimation of the Number of Acini during Postnatal Rat Lung Development** | Dr HABERTHÜR, David<br>Mr BARRÉ, Sébastien | 11 |
| **[194] Phase-contrast imaging at 100 keV on a conventional X-ray tube** | ABIS, Matteo | 12 |
| **[208] Reconstruction algorithms for under-constrained tomographic datasets** | ARCADU, Filippo | 13 |
| **[183] OmmatiDiag - A mosaiced detector for the GlobalDiagnostiX radiology project** | Dr HABERTHÜR, David | 14 |
| **[205] X-ray tomographic microscopy at TOMCAT: An overview and latest developments** | Dr MARONE, Federica | 15 |
| **[196] The new x-ray phase contrast endstation at TOMCAT** | Dr MODREGGER, Peter | 16 |
| **[211] 4D imaging at TOMCAT** | MOKSO, Rajmund | 17 |
| **[185] Micron Resolution Imaging with MÖNCH** | Mr CARTIER, Sebastian | 18 |
| **[222] Numerical simulation of phase-sensitive X-ray imaging by combining wave-optics and Monte Carlo methods** | PETER, Silvia | 19 |
| **[161] Study of Ion Beam Mixing of Te/In and Se/in systems by Cascade Collisional Mixing Model** | Dr AL-QAISI, Buthaina | 20 |
| **[224] Combined XAS-DRIFT cell for the analysis of functional materials** | Dr FERRI, Davide | 21 |

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| **[200] Quantitative Interpretation of Ultra-Small Angle X-Ray Scattering in Grating Interferometry** | KAGIAS, Matias | 22 |
| **[209] Setup for time-resolved XAS experiments with microsecond resolution. Application to hydrogen-evolving photocatalysts** | SMOLENTSEV, Grigory | 23 |
| **[245] Nano-tomography at the cSAXS beamline** | Dr GUIZAR-SICAIROS, Manuel | 24 |
| **[223] Quantitative assessment of bone's ultrastructural orientation by a novel 3D scanning SAXS method** | Mr GEORGIADIS, Marios | 25 |
| **[246] Temperature-controlled flow-through cells for combined UV-Vis/SAXS measurements** | Mr HAN, Jun | 26 |
| **[251] Ultrafast pump-probe X-ray spectroscopy and scattering at SwissFEL** | Dr MILNE, Christopher | 27 |
| **[201] Transient formation of bcc crystals in suspensions of pNIPAM-based microgels** | Dr GASSER, Urs Gasser | 28 |
| **[202] Form factor of pNIPAM microgels in overpacked states** | Dr GASSER, Urs Gasser | 29 |
| **[162] Controlling satiety v by tailored interfaces** | GEUE, Thomas | 30 |
| **[220] X-ray phase contrast tomography of Ice Cream** | MEDEBACH, Annabelle | 31 |
| **[225] Density Profile of Water Confined by Two Ion-exchanged Mica Surfaces** | Mr CHODANKAR, Shirish | 32 |
| **[255] Separation of collective and single-particle dynamics in a pyridinium-based Ionic liquid by means of polarized neutrons** | Ms BURANKOVA, Tatsiana | 33 |
| **[256] Proton dynamics of triethylammonium triflate probed by neutrons** | Ms BURANKOVA, Tatsiana | 34 |