

Session Program

Sep 18 - 20, 2013

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

Functional Materials

Paul Scherrer Institut, Villigen, Switzerland

Thu, September 19

9:00 AM

Functional Materials

Session | **Location:** Paul Scherrer Institut, Villigen, Switzerland, WHGA/001

9:30 – 10:00 AM

Strain effects in correlated transition metal oxides from first principles

Speaker

Claude Ederer

10:00 – 10:30 AM

Soft x-ray photoemission spectroscopy on buried interfaces

Speaker

Dr Claudia Cancellieri

10:30 – 10:45 AM

Interplay between superconductivity and magnetism in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ / $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ heterostructures

Speaker

Mr Saikat Das

10:45 – 11:05 AM

Coffee

11:05 – 11:35 AM

Orthorhombic LuMnO_3 thin films, a multifunctional multiferroic

Speaker

Dr Christof Schneider

11:35 – 11:50 AM

XMCD/XLD Study of the Magnetoelectric Coupling Mechanism in the Multiferroic Composite $\text{Co}/\text{PMN-PT}(011)$

Speaker

Ms Jakoba Heidler

11:50 AM – 12:05 PM

Muon-spin Relaxation Studies of Diffusion Processes in Battery Materials

Speaker

Dr Martin Mansson

12:30 PM

2:30 PM

Functional Materials

Session | **Location:** Paul Scherrer Institut, Villigen, Switzerland, WHGA/001

2:30 – 3:00 PM

Lithium Transport through Nanosized Amorphous Silicon Layers

Speaker

Dr Erwin Hueger

3:00 – 3:30 PM

Using muons as microscopic spin probes for organic devices

Speaker

Dr Laura Nuccio

3:30 - 3:45 PM

Single-Ion Magnets: Playing with Molecule-Substrate Interactions

Speaker

Dr Jan Gui-Hyon Dreiser

3:45 - 4:05 PM

Coffee

4:05 - 4:20 PM

Phase change in stacked chalcogenide layers

Speaker

Alin Velea

4:20 - 4:35 PM

**Electronic structure of impurity systems by resonant soft-X-ray ARPES:
Application to the diluted magnetic semiconductor GaMnAs**

Speaker

Dr Vladimir Strocov

4:35 - 4:50 PM

**Electron Dynamics in TiO₂ Nanoparticles Study by High Repetition Rate Laser
Pump / X-ray Probe Technique**

Speaker

Mrs Mercedes Hannelore Rittmann-Frank

6:00 PM