

## **Session Program**

**18-22 Jul 2016**



# **MLZ Conference: Neutrons for Energy**

## **Poster Session**

Hotel Wyndham Grand Axelmannstein, Bad Reichenhall, Germany  
Salzburger Str. 2-6 83453 Bad Reichenhall

## Tuesday 19 July

16:50

### Poster Session: Session I & Dinner Buffet

#### Poster Session

**Location:** Hotel Wyndham Grand Axelmannstein, Bad Reichenhall, Germany, Salzburger Str. 2-6 83453 Bad Reichenhall

#### Crystal Structures and Thermoelectric Properties of $A_8Al_8Si_38$ ( $A = K, Rb$ and $Cs$ )

##### Speaker

Dr Volodymyr Baran

#### Materials for nuclear fusion examined by neutrons: Neutron computed tomography on carbon fiber composites for plasma divertors

##### Speaker

Michael Schulz

#### Oxygen deficiency in High-Tc YBCO thin films identified by positron annihilation spectroscopy

##### Speaker

Dr Christoph Hugenschmidt

#### The GEMS-N Instrumental Suite and its Potential for the Characterization of Energy Related Material

##### Speaker

Dr Jean-Francois Moulin

#### Low dimensional lead bromide perovskite in light emitting application - investigation on structure evolution via neutron scattering

##### Speaker

Mr Rui Wang

#### Neutron backscattering for high energy resolution spectroscopy on energy related materials

##### Speaker

Mr Bernhard Frick

#### - Photons for Energy - Complementary Analytics

##### Speaker

Armin Kriele

#### MARIA - The high-intensity polarized neutron reflectometer of JCNS

##### Speaker

Stefan Mattauch

#### Strain Induced Martensitic Transformation in Austempered Ductile Iron (ADI)

##### Speaker

Dr Michael Hofmann

#### Neutron spin-echo spectroscopy: a tool for energy research

**Speaker**

Dr Michael Monkenbusch

**In-situ tensile deformation behaviour of a high ductile Mg-RE alloy via neutron diffraction****Speakers**

Dr Weimin Gan, Dr Yuanding Huang

**In-beam activation analysis facility at MLZ****Speaker**

Zsolt Revay

**SANS experiments on wood during pretreatment in ionic liquid/water mixtures****Speaker**

Dr Henrich Frielinghaus

**Neutron Diffraction Studies of Catalytic GaN/ZnO Nanoparticles****Speaker**

Dr Mikhail Feygenson

**Structural complexity and O<sup>2-</sup> ordering in Pr<sub>2-x</sub>Sr<sub>x</sub>NiO<sub>4+δ</sub> studied by single crystal neutron and x-ray diffraction****Speaker**

Mr Rajesh Dutta

**Neutron diffraction study of Li diffusion in Li<sub>1+x</sub>Al<sub>x</sub>Ti<sub>2-x</sub>(PO<sub>4</sub>)<sub>3</sub> solid state lithium conductors****Speaker**

Mykhailo Monchak

**Determination of anodic transition metal deposition with PGAA****Speaker**

Stefan Seidlmayer

**Neutron scattering characterization of confined fluids for energy storage and environmental science****Speaker**

Dr Yuri Melnichenko

**T-dependent structural studies of the oxygen ion conductor Pr<sub>1.5</sub>Sr<sub>0.5</sub>NiO<sub>4+δ</sub> investigated by single crystal neutron diffraction****Speaker**

Mr Sumit Maity

**Proton dynamics in high temperature polymer electrolyte fuel cell membranes****Speaker**

Dr Reiner Zorn

**Structural features and proton transport of polymer electrolyte membranes for high-temperature fuel cells****Speaker**

Dr Oxana Ivanova

**Low-temperature performance of Li-ion batteries probed by high-resolution neutron diffraction and electrochemistry****Speaker**

Anatoliy Senyshyn

**Battery and materials research at the diffractometer STRESS-SPEC at FRM II****Speakers**

Dr Michael Hofmann, Dr Weimin Gan

**Pressure and temperature dependence of nuclear structure and magnetic properties in  $Mn_4FeSi_3$** **Speaker**

Paul Hering

**In-operando neutron reflectometry studies on Li incorporation and volume modification of silicon electrodes in Li-ion batteries****Speaker**

Mr Bujar Jerliu

**Study of magnetocaloric materials in the system  $Mn_{2-x}M_xSb$  (M=Fe, Co)****Speaker**

Mr Mamuka Chikovani

**Lithium Permeation through Ultrathin Silicon Layers measured by Neutron Reflectometry****Speaker**

Dr Erwin Hüger

**Dynamic and Structure of Polymer-Cellulose Composite Electrolyte for Li-ion Battery****Speaker**

Mr Pengfei Zhan

19:30

## Thursday 21 July

16:10

17:30

### Poster Session: Joint Poster Session MLZ/MML

**Poster Session** |

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