

## **Session Program**

**17-19 Sept 2018**



# **German Conference for Research with Synchrotron Radiation, Neutrons and Ion Beams at Large Facilities**

## **Parallel session 8**

Fakultät für Maschinenwesen der Technischen Universität München  
Boltzmannstraße 15 85748 Garching b. München

# Tuesday 18 September

14:00

## Parallel session 8: Functional materials and materials science

Session | Location: Fakultät für Maschinenwesen, MW 0001

14:00-14:15

### Lithiation dynamics of graphite anodes investigated by in operando neutron diffraction

**Speaker**

Dr Stefan Seidlmayer

14:15-14:30

### Neutron powder diffraction studies of prismatic Li-ion cell

**Speaker**

Volodymyr Baran

14:30-14:45

### Finding the lost lithium with neutron diffraction and physico-chemical modelling

**Speaker**

Neelima Paul

14:45-15:00

### Disorder in Zinc-Germanium Oxynitride: a neutron diffraction study

**Speaker**

Prof. Susan Schorr

15:00-15:15

### Combined SAXS/SANS studies of functionalized interfaces

**Speaker**

Tobias Unruh

15:15-15:30

### Stress induced deformation in piezotronic micro structures studied by X-ray nano diffraction

**Speaker**

Philipp Jordt

15:30

# Wednesday 19 September

11:15

## Parallel session 8: Functional materials

Session | Location: Fakultät für Maschinenwesen, MW 0001

11:15–11:30 **Phonon Lifetimes in the Perovskite Model-Thermoelectric SrTiO<sub>3</sub>**

**Speaker**  
Dr Klaus Habicht

11:30–11:45

**Neutron scattering for sustainable energy materials: investigations of proton dynamics in acceptor-doped barium zirconates**

**Speaker**  
Daria Noferini

11:45–12:00

**A quasielastic and inelastic neutron scattering study of the alkaline and alkaline-earth borohydrides LiBH<sub>4</sub>, Mg(BH<sub>4</sub>)<sub>2</sub> and the mixture LiBH<sub>4</sub>+Mg(BH<sub>4</sub>)<sub>2</sub>**

**Speakers**  
Luca Silvi, Wiebke Lohstroh

12:00–12:15

**Neutron Depth Profiling and PGAA of Electrodeposited Prussian Blue Analog Thin Film Electrodes**

**Speaker**  
Mr Philipp Marzak

12:15

13:45

## Parallel session 8: Functional materials an materials science

Session | Location: Fakultät für Maschinenwesen, MW 0001

13:45–14:00

**Structure and Dynamics in Bulk Metallic Glass forming liquids with minor additions**

**Speaker**  
Sandro Szabo

14:00–14:15

**How neutron and synchrotron measurements are aiding Co-Re alloy development for gas turbines and supplementing electron microscopy studies**

**Speaker**  
Dr Debashis Mukherji

14:15–14:30

**Inelastic Neutron Scattering on FeNiCo High-Entropy Alloys**

**Speaker**  
Johannes Costa

14:30