

## **Session Program**

**17-19 Sept 2018**



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

## **Parallel session 1**

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

# Monday 17 September

11:00

## Parallel session 1: Instrumentation and methods

Session | Location: Fakultät für Maschinenwesen, MW 2001

11:00-11:15

### Ultracold neutron sources and their applications at the research reactor TRIGA Mainz

**Speaker**

Christian Gorges

11:15-11:30

### The upgraded neutron grating interferometer at ANTARES - Design, Performance and Applications -

**Speaker**

Tobias Neuwirth

11:30-11:45

### The ODIN Project at the European Spallation Source

**Speaker**

Michael Lerche

11:45-12:00

### Dose efficient, high resolution X-ray imaging applied to biological model organisms

**Speaker**

Dr Elias Hamann

12:00-12:15

### High-Resolution Scanning X-Ray Microscopy at PtyNAMI

**Speaker**

Dr Andreas Schropp

12:15-12:30

### Ultra-high-speed X-ray imaging of laser-driven shock into solid materials using synchrotron light

**Speaker**

Jörg Grenzer

12:30

# Tuesday 18 September

14:00

## Parallel session 1: Instrumentation and methods

Session | Location: Fakultät für Maschinenwesen, MW 2001

14:00–14:15

### Running out of patience for radionuclide decay: Accelerator mass spectrometry (AMS) counts faster

**Speaker**

Georg Rugel

14:15–14:30

### Upgrade Project of TOF spectrometer NEAT at Helmholtz Zentrum Berlin - new power for new science

**Speaker**

Dr Margarita Russina

14:30–14:45

### Breakthrough in neutron backscattering spectroscopy: A tenfold enhanced energy resolution using GaAs

**Speaker**

Kristijan Kuhlmann

14:45–15:00

### Metrology with Synchrotron Radiation

**Speaker**

Prof. Mathias Richter

15:00–15:15

### In-situ and in-operando XAFS spectroscopy in the ms range at beamline P64 at PETRA III, DESY

**Speaker**

Mr Benjamin Bornmann

15:15–15:30

### In situ Thin Film Growth for Polarized Neutron Reflectometry

**Speaker**

Wolfgang Kreuzpaintner

15:30

# Wednesday 19 September

13:45

## Parallel session 1: Instrumentation and methods

Session | Location: Fakultät für Maschinenwesen, MW 2001

13:45-14:00

### Application of multiple-orbit synchrotron radiation for electron time-of-flight spectroscopy

**Speaker**

Prof. Mathias Richter

14:00-14:15

### A new tender X-ray spectrometer at ESRF ID26

**Speaker**

Pieter Glatzel

14:15-14:30

### Nanosecond dynamics measured with Split-Pulse X-ray Photon Correlation Spectroscopy At Free Electron Laser Sources

**Speaker**

Dr Wojciech Roseker

14:30