



DESY - SFB1073 Workshop: Energy Research at X-Ray DESY-Driven Photon Sources

09 – 10 November 2017 at DESY, Building 48e (EMBL)

Donnerstag, 09. November 2017

- 12:00** **gemeinsames Mittagessen DESY Bistro**
- 13:30** **kurze Begrüßung Simone Techert/Fototermin auf der Terrasse von 48e**
- 13:40 – 14:10** **Vortrag Katharina Kubicek (DESY)**
„Energy research at FELs“
- 14:15 – 14:45** **Vortrag Marcel Risch (GAU)**
„Atomic insight into fuel cell and electrolyzer reactions on oxides using in situ X-ray spectroscopy“
- 14:50 – 15:20** **Vortrag Elke Ploenjes (DESY)**
„New Science Opportunities at FLASH“
- 15:40 – 16:10** **Vortrag Henning Ulrichs (GAU)**
“Active and passive control of dissipation in light-induced coherent ultrafast dynamics”
- 20 minutes coffee break-----**
- 16:30 – 17:00** **Vortrag Jens Viefhaus (HZB)**
„Soft X-ray research at synchrotrons (and FELs)“
- 17:05 – 17:35** **Vortrag Stefan Mathias (GAU)**
„Probing the fastest electron, spin, and structural dynamics in momentum, space, and time“



17:40 – 18:10 **Vortrag Oliver Seeck (DESY)**
„Energy research at the third generation synchrotron radiation source
PETRA III“

19:30 – 22:00 **Dinner at the DESY Bistro**

Freitag, 10. November 2017

9:00 – 9:30 **Vortrag Tim Laarmann (DESY)**
“Phasing FELs for energy research”

9:35 – 10:05 **Vortrag Cynthia Volkert (GAU)**
“Microstructural evolution during (de)lithiation of lithium manganese oxide”

10:10 – 10:40 **Vortrag Andreas Stierle (DESY)**
“Nanolab Research”

-----**20 minutes coffee break**-----

11:00 – 11:30 **Vortrag Christian Jooss (GAU)**
“Understanding polaronic excitations for (photo-)electrochemical and
photovoltaic energy conversion”

11:35 – 12:05 **Vortrag Sven Schneider (GAU)**
“Redox Activation of Small Molecules by Molecular Transition Metal
Platforms with Functional Ligands”

12:10 – 12:40 **Vortrag Stephan Roth (DESY)**
“Process technology investigated in real-time by X-rays”

12:45 **Closing remarks, Ausklang beim gemeinsamen Mittagessen**