

# PROGRAM 2016

Workshop on

## X-Ray Imaging Applications in Materials Science

**When:** February 18, 2016

**Where:** Institute for Advanced Study, Lichtenbergstr. 2a, Garching, Germany

**Registration:** until January 29, 2016 to [julia.herzen@tum.de](mailto:julia.herzen@tum.de)

- 10:00-10:15 **Welcome**  
Prof. Franz Pfeiffer, Chair of Biomedical Physics, Technische Universität München, Munich, Germany  
Dr. Jürgen Mohr, Head of the X-ray Optics Department, Karlsruhe Institute of Technology, Karlsruhe, Germany
- 10:15-11:00 **Keynote Lecture (Applications: Non-Destructive Testing)**  
Non-destructive Testing (tbd)
- 11:00-11:20 **Contributed Talk (Applications: Fiber-Reinforced Plastics)**  
TBD
- 11:20-11:40 **Contributed Talk (Applications: Additive Fabrication)**  
Dr.-Ing. Dirk Herzog, Institute of Laser and System Technologies (iLAS), Technische Universität Hamburg-Harburg, Hamburg, Germany
- 11:40-12:00 **Contributed Talk (Applications: Biomaterials)**  
Prof. Martin Kirschner, Medical Director, Syntellix AG, Hannover, Germany
- 12:00-12:20 **Contributed Talk (Applications: Porous Materials)**  
Prof. Peter Moonen, Pau Centre for X-ray Imaging, Université à l'UPPA, France
- 12:20-13:30 LUNCH*
- 13:30-14:15 **Keynote Lecture (Overview: X-ray Methods)**  
Prof. Philip Withers, University of Manchester, UK (tbc)
- 14:15-14:35 **Invited Talk (Methods: MicroCT technology for material analysis in 3D)**  
Dr. Evi Bongaers, Bruker microCT, Kontich, Belgium
- 14:35-15:00 COFFEE*
- 15:00-15:20 **Contributed Talk (Methods: Dark-field Imaging)**  
Dr. Rolf Kaufmann, Materials Science and Technology, EMPA, Switzerland
- 15:20-15:40 **Contributed Talk (Methods: Dark-field Tensor Tomography)**

Florian Schaff, Biomedical Physics, Technical University of Munich, Germany

- 15:40-16:00 **Contributed Talk (Methods: Synchrotron-based Imaging Methods)**  
Dr. Felix Beckmann, Institute for Materials Research, Helmholtz-Centre Geesthacht, Germany
- 16:00-16:20 **Contributed Talk (Methods: Micro- and Nanodiffraction)**  
Dr. Christina Krywka, Institute for Materials Research, Helmholtz-Centre Geesthacht, Germany
- 16:20-18:00 **POSTERS & BEER**
- 18:00-19:00 **LAB TOUR to MuCLS (Munich Compact Light Source)**