

Workshop on Aberration Corrected TEM

Venue: IIT Madras, Chennai

Date: 20th July, 2017

The workshop will deal with theoretical and experimental aspects of TEM using spherical and chromatic aberration corrected lens system. Aberration correction of lens system helps the imaging system to achieve sub Angstrom level spatial resolution.

Program:

1. 09:00 – 10:00h: **Prof. Rafal Dunin Borkowski**
Experimental Physics, RWTH Aachen
Director, Institute for Microstructure Research (PGI-5)
and Ernst Ruska-Centre for Microscopy and
Spectroscopy with Electrons (ER-C),
Forschungszentrum Jülich
Topic: "Combining spherical and chromatic aberration correction with high-resolution electron holography"
2. 10:15 – 11:15h: **Prof. Christoph T. Koch**
Structural Research / Electron Microscopy
Institute of Physics
Humboldt University of Berlin
Topic: "Inline holography, inversion of multiple scattering, and advanced image simulations – how computers augment TEM imaging"
3. 11:30 – 12:30h: **Dr. Ranjan Datta**
Associate Professor
International Centre for Materials Science
Jawaharlal Nehru Centre for Advanced Scientific
Research (JNCASR), Bangalore
Topic: "Aberration corrected HRTEM: Basics, application in Materials Science and future"