

CBC SEMINAR ANNOUNCEMENT



Prof Dr Michael A Rübhausen
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Resonance and Time Resolved Inelastic Light Scattering to Stud Nanoscale Physics in Charge Transfer Relevant Systems

The topic involves the measurements of the time resolved behavior of nanoscale physics in charge transfer relevant systems all to elucidate the delicate interplay between electronic and structural degrees of freedom. The first part touches on the physics of composite nanostructured composite materials and its investigation by modern X-Ray and laser based techniques. The second part of the presentation concerns the physics of bio-inorganic model complexes that are relevant for catalytic processes in nature and for bio-mimetic processes. The following experimental techniques will be introduced from an experimental point of view : GISAXS (Grazing Incidence Small angle X-Ray scattering), XAFS (X-Ray Absorption Fine Structure spectroscopy), M-edge RIXS (Resonance Inelastic X-Ray Scattering) at an FEL (Free Electron laser), Resonance and Time Resolved Raman, time resolved Fluorescence Spectroscopy.

Date: 14 June 2019 (Friday)
Time: 11.00am – 12.30pm
**Venue: SPMS Research & Graduate
Studies Office Conference Room**
Host: Assistant Professor Soo Han Sen