

Thursday, May 7

13:00 Wolfgang Caliebe
Welcoming Remarks, Introduction into goals of Workshop

Chair: Winfried Schülke

13:30 Jörg Fink
Electronic excitations in correlated systems studied by inelastic electron scattering

14:00 Maurits Haverkort
Multipole transitions in non-resonant IXS: Valence and core level optical conductivity of transition metal and rare earth compounds

14:30 Markus Grüninger
Optical studies of electronic excitations in strongly correlated transition-metal oxides

15:00 Michael Rübhausen
Time Resolved and Resonant Inelastic Light Scattering at Transition Metal Oxides

15:30 Break

Chair: Max Wilke

16:00 Keijo Hämmäläinen
Probing different states of matter by x-ray Raman scattering

16:30 Sung Keun Lee
Probing and modeling of pressure-induced electronic bonding transitions in oxide glasses: a view from Inelastic x-ray scattering

17:00 Sandro Jahn
Molecular Structure of Melts and Fluids: Simulation Meets IXS Experiments

17:30 Nobuyoshi Miyajima
Applications of Electron Energy-Loss Spectroscopy for high pressure mineral physics

18:00 Postersession at PETRAIII and site-visit

19:00 End

19:30 Dinner

Friday, May 8

Chair: Christian Sternemann

9:00 Philippe Wernet
Local structure information on water from core-valence electron transitions with x-ray Raman scattering

9:30 Thorsten Ressler
Potential of NRIXS for operando studies in heterogeneous catalysis

10:00 Dirk Lützenkirchen-Hecht
Non-resonant inelastic X-ray scattering: A promising hard X-ray probe for physics, chemistry and materials science

10:30 Michael Fröba
Gas storage in nanoporous metal organic frameworks

11:00 Short Break

Chair: Jochen Geck

11:15 Discussion (with coffee)

12:00 Winfried Schülke
closing remarks