

Monday, 11th October

08:00 - 08:45	<i>Registration</i>	
08:45 - 09:00	Opening address	F. Sette Director General, ESRF
Introductory Talks – Chair: A. Bansil		
09:00 - 09:40	Recent Advances in IXS from Electronic Excitations	C.C. Kao Stanford Synchrotron Research Lightsource
09:40 - 10:20	Recent Advances in meV Resolution Measurements of Dynamics	A.Q.R. Baron RIKEN / SPring-8
10:20 - 10:50	<i>Coffee Break</i>	
1st Session: Correlated Electron Systems – Chair: J. Mizuki		
10:50 - 11:30	Inelastic Scattering Studies of Correlated electrons in the Light of X-rays and Neutrons	B. Keimer Max Planck Institute Stuttgart
11:30 - 12:00	Theory of RIXS on Elementary Excitations in Strongly Correlated Systems	J. van den Brink IFW Dresden
12:00 - 12:30	Momentum Dependent Soft X-Ray RIXS in Quasi One Dimensional Cuprate Materials	T. Schmitt Paul Scherrer Institute Villigen
12:30 - 12:50	Exploring the Phase Diagram of Strongly Correlated Materials: Application to Mott Transition and Critical Valence	J.P. Rueff Synchrotron Soleil
12:50 - 14:30	<i>Lunch Break</i>	
2nd Session: Liquids and Gas Phase Studies – Chair: A. Alatas		
14:30 - 15:00	Resonant Inelastic Soft X-ray Scattering with Vibrational Resolution	J.E. Rubensson Uppsala University
15:00 - 15:30	Recent Work on Liquids using soft RIXS	T. Tokushima RIKEN / Spring-8
15:30 - 15:50	Interferences between Thomson and Resonant Elastic Scattering in the Vicinity of the K-shell Energy Region of the HCl Molecule	M. Simon CNRS / Paris University
15:50 - 16:10	High Frequency Dynamics of He/Ne Mixtures	M.G. Izzo Trieste University
16:10 - 16:40	<i>Coffee Break</i>	
3rd Session: Earth and Planetary Science – Chair: T. Gog		
16:40 - 17:10	Probing the Behavior of Deep Earth Materials using Nuclear Resonant inelastic X-ray Scattering	J.M. Jackson California Institute of Technology
17:10 - 17:40	Pressure-Induced Bonding Changes in Amorphous Oxides: A View from Non-resonant Inelastic X-ray Scattering	S.K. Lee Seoul National University
17:40 - 18:00	Spin Crossover in Ferroperriclite at High Pressure: A Seismically Hidden Transition?	D. Antonangeli CNRS / Paris University

Tuesday, 12th October

4th Session: New Scientific Frontiers of IXS I – Chair: K. Hämäläinen		
09:00 - 09:30	Direct Observation of the Transient Phases in Super-Cooled Liquid Silicon and the Ultra-Fast Dynamics of Electron-Phonon Scattering	A. Föhlisch Helmholtz Zentrum Berlin
09:30 - 10:00	Resonant Inelastic Soft X-ray Scattering of Strongly Correlated Compounds Revealed with AGM-AGS	D.J. Huang National Synchrotron Radiation Research Center Taiwan
10:00 - 10:20	Prospects for IXS at an Energy Recovery LINAC Light Source	K.D. Finkelstein Cornell University, Ithaca
10:20 - 10:50	<i>Coffee Break</i>	
5th Session: 3D Transition Metal Compounds I – Chair: J. Hancock		
10:50 - 11:20	Magnetic and Orbital Excitations of 3d Transition Metal Systems Measured by High Resolution RIXS	G. Ghiringhelli Milano Polytechnical University
11:20 - 11:50	Theory of Resonant Inelastic X-ray Scattering by Collective Excitations	M.W. Haverkort Max Planck Institute Stuttgart
11:50 - 12:10	Polarization dependent X-ray Absorption and Resonant Inelastic X-ray Scattering Studies at Cu K-edge in Quasi-one-Dimensional Cuprate LiCu_2O_2 Single Crystals	K.-D. Tsuei National Synchrotron Radiation Research Center Taiwan
12:10 - 12:30	Non-resonant IXS Study of Charge Excitations in Transition Metal Oxides	N. Hiraoka National Synchrotron Radiation Research Center Taiwan
12:30 - 14:30	<i>Lunch Break</i>	
6th Session: Chemistry and Biology – Chair: B.K. Sharma		
14:30 - 15:00	Resonant Inelastic Hard X-ray Scattering in Chemical Research	P. Glatzel ESRF, Grenoble
15:00 - 15:30	Protein Elasticity Probed with two Synchrotron-Based Techniques	B.M. Leu Argonne National Laboratory
15:30 - 16:00	Recent Work on Biological Materials using X-ray Emission Spectroscopy	J. Yano Lawrence Berkeley National Laboratory
16:00 - 19:00	<i>Poster Session & Refreshments</i>	

Wednesday, 13th October

7th Session: Liquids and Glasses – Chair: A. Cunsolo		
09:00 - 09:30	Transverse Acoustic Excitations in Simple Liquids	S. Hosokawa University Marburg
09:30 - 10:00	Formation and Energetics of Tetrahydrofuran Clathrate Hydrate	F. Lehmkuhler Dortmund Electron Accelerator
10:00 - 10:30	Anomalous Properties of the Acoustic Excitations in Glasses on the Mesoscopic Length-Scale	G. Monaco ESRF, Grenoble
10:30 - 11:00	<i>Coffee Break</i>	
8th Session: Magnetism – Chair: Y. Sakurai		
11:00 - 11:30	Spin Polarization in $\text{Co}_{(1-x)}\text{Fe}_x\text{S}_2$	J.A. Duffy University of Warwick
11:30 - 11:50	Application of Magnetic Compton Profile to Perpendicular Magnetic Anisotropy Films	H. Sakurai Gunma University
11:50 - 12:20	Resonant Inelastic X-ray Scattering at the Fe K Edge under High Pressure: Electronic Structure Change upon Pressure Induced Magnetic Collapse in FeBO_3	J. Kim Argonne National Laboratory
12:20 - 12h40	Strong K-edge Magnetic Circular Dichroism Detected by Resonant Inelastic X-ray Scattering	A. Juhin Utrecht University
12:40 - 14:30	<i>Lunch Break</i>	
9th Session: Superconductivity and Related Phenomena – Chair: A. Shukla		
14:30 - 14:50	Phonons and Superconductivity in YbC_6 and Related Compounds	M.H. Upton Argonne National Laboratory
14:50 - 15:10	Enhanced Anisotropy of the Iron Vibrations in SmFeAsO due to Fluorine Doping	I. Sergueev ESRF, Grenoble
15:10 - 15:30	Charge Density Waves and Superconductivity in Uranium	J. Bouchet CEA - Bruyeres Le Châtel
15:30 - 15:50	Phonon Softening in the Charge-density-wave Compounds NbSe_2 and TiSe_2 Measured by High Resolution Inelastic X-ray Scattering	F. Weber Karlsruhe Institute of Technology
15:50 - 19:00	<i>Poster Session & Refreshments</i>	
19:30	<i>Conference Dinner at the “Château de Sassenage”</i>	

Thursday, 14th October

10th Session: 3D Transition Metal Compounds II – Chair: A. Kotani		
09:00 - 09:30	Charge and Orbital Excitations in Correlated Electron Systems studied by Resonant Inelastic X-ray Scattering	K. Ishii Japan Atomic Energy Agency
09:30 - 10:00	Multi-orbital RIXS Excitations in Transition Metal Oxides	T. Devereaux Stanford Linear Accelerator Center
10:00 - 10:20	Intersite 4p – 3d Hybridization in CoIII Oxides Forming the Upper Hubbard-band: a RXES Study	G. Vankó KFKI RMKI Budapest
10:20 - 10:50	<i>Coffee Break</i>	
11th Session: Elements and Advanced Materials – Chair: W.Schülke		
10:50 - 11:20	Lattice Dynamics in Complex Elemental Metals at High Pressure	I. Loa University of Edinburgh
11:20 - 11:50	The Effective Fine Structure Constant of Graphene Measured with Inelastic X-ray Scattering	P. Abbamonte University of Illinois at Urbana-Champaign
11:50 - 12:20	Phase Diagrams of Complex Materials Studied with High Resolution X-ray Compton Scattering	B. Barbiellini Northeastern University Boston
12:20 - 12:40	Nuclear Inelastic Scattering by GeSb ₂ Te ₄ Phase Change Materials	R.P Hermann Forschungszentrum Jülich
12:40 - 14:30	<i>Lunch Break</i>	
12th Session: New Scientific Frontiers of IXS II – Chair: H. Kawata		
14:30 - 15:00	Extending X-ray Raman Scattering across the Periodic Table	T.T. Fister Argonne National Laboratory
15:00 - 15:30	Surface Density of Phonon States from in-situ Nuclear Inelastic Scattering	S. Stankov Karlsruhe Institute of Technology
15:30 - 16:00	New Sprouts of Inelastic X-ray Scattering	A. Bossak ESRF, Grenoble
16:00 - 16:20	Imaging the Atomic Bond in 8 Dimensions by IXS	S. Huotari University of Helsinki
16:20 - 16:50	<i>Coffee Break</i>	
Concluding Session		
16:50 - 17:20		