TIMETABLE

	Sunday 24	Monday 25	Tuesday 26	Wednesday 27	Thursday 28	Friday 29
09:00-09:30		Chabrier (1)	Das Gupta (2)	Ceperley (6)	Rontani (6)	Schröer (5)
09:30-10:00					Fortmann (4)	Redmer (1)
10:00-10:30		Desjarlais (1)	Poster Session A Oral Summaries	Samaj (6)	Poster Session B Oral Summaries	Messina (5)
10:30-11:00		Iosilevski (1)		Holzmann (2)		Kjellander (5)
11:00-11:30		Reinholz (1)		Petrov (5)		Grabowski (6)
11:30-12:00		Morning			Coffee	
12:00-12:30		Fortov (4)	Senatore (2)	Ivlev (5)	Hartmann (5)	Dombi (4)
12:30-13:00		Knudson (4)	Hawrylak (3)	Bonitz (5)	Clérouin (1)	Drummond (6)
13:00-14:00		Lunch				
14:00-14:30		Time devoted to informal discussions	Time devoted to informal discussions*		Time devoted to informal discussions	A. Filinov (3)
14:30-15:00				**14:30-21:30** **Conference Excursion & Dinner**		Morozov (6)
15:00-15:30						Ramazanov (1)
15:30-16:00		Levai (4)	Vignale (3)		Nayak (3)	Dufty (6)
16:00-16:30	Registration	Mintsev (4)	Totsuji (5)		Sukhinin (5)	Closing
16:30-17:00		Gericke (4)	Saitov (1)		Mithen (5)	
17:00-17:30		Trizac (6)	Poster Session A		Poster Session B	
17:30-18:00		Coffee				
18:00-18:30	Welcome	Kalman (7)				
18:30-19:00		Fisher (7)				
19:00-19:30	Reception	Ebeling (7)				

*** A meeting of the SCCS International Advisory Board will take place between 13:00-15:30 on 26 July, Tuesday.**

Topics:

1 – Dense and astrophysical plasmas
2 – Plasmas in condensed matter
3 – Confined and mesoscopic Coulomb systems
4 – High energy density plasmas in the laboratory
5 – Classical charged systems
6 – Developments in theoretical methods and numerical techniques
7 – Thirty-five years with Strongly Coupled Coulomb Systems

Colour codes:

Invited talk
Contributed talk
Poster session

Detailed (preliminary) scientific programme

July 25 (Monday):

8:45-9:00	Opening
9:00-10:00	Keynote: Gilles Chabrier, Ecole normale supérieure de Lyon and CNRS, France Title: Dense astrophysical plasmas
10:00-10:30	Invited: Michael Desjarlais, Sandia National Laboratories, USA Title: XUV absorption in aluminum: First-principles opacity calculations
10:30-11:00	Contributed: Igor Iosilevskiy, Moscow Institute of Physics and Technology & JIHT, Russia Title: Non-congruent phase transitions in cosmic and laboratory plasmas
11:00-11:30	Contributed: Heidi Reinholz, Institute for Theoretical Physics, Johannes Kepler University, Austria Title: Plasma modes and collision frequency - from bulk to cluster
11:30-12:00	Coffee break
12:00-12:30	Invited: Vladimir Fortov, Joint Institute for High Temperature, Russia Title: Dynamic Compression of Strongly Coupled Plasmas at Megabars
12:30-13:00	Invited: Marcus Knudson; Sandia National Laboratories, USA Title: Characterization of alpha-quartz for use as a highly accurate standard in multi-Mbar Hugoniot experiments
13:00-15:30	Lunch & Time devoted to informal discussions
15:30-16:00	Invited: Peter Lévai, KFKI Research Institute for Particle and Nuclear Physics, Hungary Title: Recent results on strongly interacting quark-gluon plasma at LHC energies
16:00-16:30	Contributed: Victor B. Mintsev, Institute of Problems of Chemical Physics, Russia Title: Proton Radiography of Strongly Coupled Plasma
16:30-17:00	Contributed: Dirk O. Gericke, Centre for Fusion, Space & Astrophysics, Dep. of Physics, University of Warwick, UK Title: Theoretical Models for Light Scattering from Dense Matter
17:00-17:30	Contributed: Emmanuel Trizac, LPTMS, Université Paris-Sud, France Title: Strong-coupling theory of counter-ions at charged plates
17:30-18:00	Coffee break
18:00-18:30	Invited: Gabor J. Kalman, Boston College, USA Title: 35 Years of Strongly Coupled Plasmas
18:30-19:00	Invited: Michael Fisher, University of Maryland, USA Title: Only Twenty Years with SCCS: So What's New for Debye, Bjerrum, and Landau ?
19:00-19:30	Invited: Werner Ebeling, Humboldt Universität Berlin, Germany Title: Bound States in Coulomb Systems - Old Problems and New Solutions

July 26 (Tuesday):

9:00-10:00	Keynote: Kantimay Das Gupta; Indian Institute of Technology, Mumbai, India Title: Spatially separated, gate voltage controlled electron-hole plasma in semiconductor bilayers: Recent progress and challenges
10:00-11:30	Poster Session A Oral Summaries
11:30-12:00	Coffee break
12:00-12:30	Contributed: Gaetano Senatore, Dipartimento di Fisica, Università di Trieste, Italy Title: QMC Simulations of 2D electrons with disorder and divergence of the spin susceptibility at the MIT in Si-MOSFETs
12:30-13:00	Invited: Pawel Hawrylak; National Research Council of Canada, Ottawa, Canada Title: Strongly coupled Coulomb systems in graphene quantum dots
13:00-15:30	Lunch & Time devoted to informal discussions
13:00-15:30	Meeting of the SCCS International Advisory Board
15:30-16:00	Invited: Giovanni Vignale; University of Missouri, USA Title: Coulomb drag and spin Hall Drag: new coupling mechanisms for nanoelectronics
16:00-16:30	Contributed: Hiroo Totsuji, Okayama University, Japan Title: Transport of Two-Dimensional Electrons through Narrow Channels with Constriction: "Quantized" Conductance in Classical System
16:30-17:00	Contributed: Ilnur Saitov, Joint Institute for High Temperatures RAS, Russia Title: Abnormal pressure fluctuations in nondegenerate nonideal plasma
17:00-18:30	Poster Session A

July 27 (Wednesday):

9:00-10:00	Keynote: David Ceperley, University of Illinois at Urbana-Champaign, USA Title: Development and applications of simulations for dense hydrogen and helium
10:00-10:30	Invited: Ladislav Samaj, Institute of Physics of the Slovak Academy of Sciences, Slovakia Title: Long-range correlations of the surface charge between two electrical media
10:30-11:00	Invited: Markus Holzmann, Université Pierre et Marie Curie and CNRS, France Title: Momentum distribution and effective mass of jellium momentum distribution and the effective mass of the electron gas in two and three dimensions at metallic densities
11:00-11:30	Invited: Oleg Petrov, Joint Institute for High Temperatures RAS, Russia Title: Strongly Coupled Coulomb Systems of Dust Particles in Traps and Plasmas
11:30-12:00	Coffee break
12:00-12:30	Invited: Alexei Ivlev, Max-Planck-Institut für Extraterrestrische Physik, Germany Title: Melting of 2D plasma crystals: Wake-mediated mode coupling instability
12:30-13:00	Contributed: Michael Bonitz; Inst. for Theo. Phys. and Astrophysics, Kiel University, Germany Title: Magnetized strongly coupled plasmas - first principle results
13:00-14:00	Lunch
15:00-20:00	Excursion and Banquet

July 28 (Thursday):

9:00-9:30	Invited: Massimo Rontani, Università Degli Studi Di Modena E Reggio Emilia, Italy Title: Molecular states of correlated electrons in a quantum dot: Theory and inelastic light scattering experiments
9:30-10:00	Invited: Carsten Fortmann, Lawrence Livermore National Laboratory, USA Title: X-ray Scattering Diagnostics of Shock Compressed Coulomb Systems
10:00-11:30	Poster Session B Oral Summaries
11:30-12:00	Coffee break
12:00-12:30	Contributed: Peter Hartmann, Research Institute for Solid State Physics and Optics, Hungary Title: Collective Modes in Strongly Coupled Binary Liquids
12:30-13:00	Contributed: Jean Clerouin, CEA, DAM, DIF, France Title: Pressure and electrical resistivity measurements on hot expanded metals : comparisons with quantum molecular dynamics simulations and average atom approaches
13:00-15:30	Lunch & Time devoted to informal discussions
15:30-16:00	Contributed: Mukesh G. Nayak, Dept. of Appl. Phys., S. V. National Institute of Technology, India Title: Spin-polarized Symmetric Electron-Hole Quantum Bilayer: Finite Width Effect
16:00-16:30	Contributed: Gennadiy Sukhinin, Institute of Thermophysics SB RAS, Novosibirsk, Russia Title: Plasma Polarization around Dust Particle in an External Electric Field
16:30-17:00	Contributed: James P. Mithen, Clarendon Laboratory, University of Oxford, UK Title: Extent of validity of the hydrodynamic description of the One-Component Plasma
17:00-18:30	Poster Session B

July 29 (Friday):

9:00-9:30	Invited: Wolffram Schröer, Universität Bremen, Germany Title: Critical behavior in Solutions of Ionic Liquids
9:30-10:00	Invited: Ronald Redmer, University of Rostock, Germany Title: Matter under extreme conditions and the interior of solar and extrasolar giant planets
10:00-10:30	Contributed: Rene Messina, Inst. für Theo. Phys. II, Heinrich-Heine-Univ. Düsseldorf, Germany Title: Crystallization of highly charged colloids under strong confinement
10:30-11:00	Invited: Roland Kjellander, University of Gothenburg, Sweden Title: Many-body correlations and electrostatic interactions in electrolyte systems
11:00-11:30	Contributed: Paul E. Grabowski, Los Alamos National Laboratory, Los Alamos, USA Title: Width Spreading and Tests of Wave Packet Molecular Dynamics
11:30-12:00	Coffee break
12:00-12:30	Invited: Peter Dombi, Research Institute for Solid State Physics and Optics, Hungary Title: The Attosecond Facility of the Extreme Light Infrastructure in Hungary
12:30-13:00	Invited: Peter Drummond, Swinburne University of Technology, Australia Title: Universal properties of a strongly interacting Fermi gas
13:00-14:00	Lunch
14:00-14:30	Invited: Alexey Filinov, Inst. for Theo. Phys. and Astrophysics, Kiel University, Germany Title: Superfluidity and excitation spectrum in 2D dipole systems
14:30-15:00	Contributed: Igor V. Morozov, Joint Institute for High Temperatures of RAS, Russia Title: Application of the Wave Packet Molecular Dynamics to simulation of nonideal plasmas at moderate temperatures
15:00-15:30	Contributed: Tlekkabul S. Ramazanov, IETP, Al Farabi Kazakh National University, Almaty, Kazakhstan Title: Effective Potentials and Some Physical Properties of a Strongly Coupled Complex Plasmas
15:30-16:00	Contributed: James W. Dufty, Department of Physics, University of Florida, USA Title: Classical Representation of a Quantum System at Equilibrium
16:00-16:15	Closing