



Program

Monday 07/10	
	Arrival
19:00	Reception with drinks (FRIAS Lounge)
Tuesday 08/10	
09:00	Welcome Address Hermann Grabert and Jan G. Korvink
09:10 - 09:45	Florian Mintert Freiburg Institute for Advanced Studies (FRIAS) <i>Quantum coherence: characterization, control and role?</i>
09:45 - 10:30	Shaul Mukamel Department of Chemistry, University of California, Irvine, USA <i>New developments in multidimensional optical spectroscopy; from NMR to X-rays</i>
10:30 - 11:00	Coffee
11:00 - 11:45	Sauro Succi Institute for computing applications, National Research Council of Italy, Roma, Italy <i>Hydrodynamic lattice models of water-like fluids</i>
11:45 - 12:15	Short Talk: Diego Prada-Gracia FRIAS, School of Soft Matter Research, University of Freiburg <i>Getting accurate kinetic analysis from reaction coordinates: A universal problem</i>
12:15 - 13:00	Special Lecture: Haim Diamant School of Chemistry, Tel Aviv University, Israel <i>Response of a complex fluid at intermediate distances</i>
13:00 - 15:00	Lunch
15:00 - 15:45	Jenny Nelson Department of Physics, Imperial College London, UK <i>Simulation of Molecular Electronic Materials for use in Photovoltaics: Developments and challenges</i>
15:45 - 16:30	Michael Thorwart Institut für Theoretische Physik, Universität Hamburg <i>How quantum is the excitation energy transfer in photoactive biomolecules</i>
16:30 - 17:00	Coffee
17:00 - 18:00	Special Lecture: Dwayne Miller Center for Free Electron Laser Science, Max-Planck-Institut Hamburg <i>Do We Live in a Quantum World? A New Twist.</i>
18:30	Guided City Tour
Wednesday 09/10	
09:00 - 09:45	Pep Español Departamento de Física Fundamental, Universidad Nacional de Educación a Distancia (UNED), Madrid, Spain <i>Dynamic Density Functional Theory for non-isothermal situations</i>
09:45 - 10:30	Special Lecture: Eric Vanden-Eijnden Courant Institute, NYU, New York, USA <i>Computer-Assisted Modeling</i>
10:30 - 11:00	Coffee

Program (continued)

Wednesday 09/10 (continued)	
11:00 - 11:45	Karen Lienkamp Department of Microsystems Engineering, IMTEK, University of Freiburg <i>Antimicrobial and Antibiofouling Polymers</i>
11:45 - 12:15	Short Talk: Valentyn Prokhorenko CFEL - DESY, University of Hamburg, Germany <i>Toward Two-Dimensional Electronic Spectroscopy of DNA's</i>
12:15 - 13:00	Special Lecture: Graham Leggett Department of Chemistry, The University of Sheffield, UK <i>Light-Directed Nanosynthesis</i>
13:00	Brown Bag Lunch
13:15	Bus Transfer to Kaiserstuhl
	Vineyard Tour with Degustation
Thursday 10/10	
09:00 - 09:45	Maria Asplund Department of Microsystems Engineering, IMTEK, University of Freiburg <i>BioElectroactive polymers for microelectronic nerve interfaces</i>
09:45 - 10:30	Special Lecture: Olle Inganäs Department of Physics, Chemistry and Biology, Linköping University, Sweden <i>Encounters between electronic polymers and biopolymers</i>
10:30 - 11:00	Coffee
11:00 - 11:45	Miko Elwenspoek Nanotechnology, University of Twente, The Netherlands <i>Can we grow a Ferrari?</i>
11:45 - 12:15	Short Talk: Roderick MacKenzie Faculty of Engineering, University of Nottingham, UK <i>How do photogenerated bound charge pairs split into electrons and holes in polymer:fullerene systems? A microscopic and macroscopic analysis</i>
12:15 - 13:00	Maria Anita Rampi Dipartimento di Chimica, Università di Ferrara, Italy <i>From molecular Electronics to Versatile and highly Stable Molecular Devices</i>
13:00 - 15:00	Lunch
15:00 - 15:45	Sabine Ludwigs IPOC - Functional Polymers, University of Stuttgart <i>Nanostructured Functional Polymers - From Molecular Scale to Applications in Organic Electronics</i>
15:45 - 16:30	Jan G. Korvink Laboratory for Simulation, IMTEK, University of Freiburg and Freiburg Institute for Advanced Studies (FRIAS) <i>Microscale NMR: the good, the bad, and the ugly</i>
16:30 - 17:00	Coffee
17:00 - 17:45	Andreas Manz Korea Institute of Science and Technology (KIST) – Europe, Saarbrücken <i>Microfluidics vs. Self-assembly</i>
17:45 - 19:15	Junior Scientists: Poster Session & Best Poster Award
19:30	Conference Dinner (Haus zur lieben Hand)
21:30	Party
Friday 11/10	
09:30 - 10:15	Ingo Krossing Department of Chemistry, University of Freiburg <i>Tuning the Properties of Ionic Liquids: Charge- and Volume-Effects</i>

Program (continued)

Friday 11/10 (continued)	
10:15 - 11:00	Margit Zacharias Nanotechnology, IMTEK, University of Freiburg <i>ZnO nanowire arrays- pattern generation, growth and applications</i>
11:00 - 11:30	Coffee
11:30 - 12:15	Günter Reiter Department of Physics, University of Freiburg <i>The future of plastic electronics</i>
12:15 - 12:45	Short Talk: David Kauzlaric FRIAS, School of Soft Matter Research, University of Freiburg <i>Bottom-up coarse-graining of Graphene-based nanoresonators</i>
12:45 - 13:30	Special Lecture: Jörg Baschnagel Institut Charles Sadron (CNRS), Université de Strasbourg, France <i>Molecular modeling and neutron scattering experiments: Do flexible polymer chains in a melt really have an ideal structure</i>
13:30 - 15:00	Lunch
15:00 - 15:45	Osamu Tabata Department of Micro Engineering, Kyoto University, Japan <i>DNA Nanotechnology as a Bridge between Nanomaterial and Nanosystem</i>
15:45 - 16:30	Stefan Schiller Freiburg Institute for Advanced Studies (FRIAS) <i>Novel Ways in Nanobiotechnology Combining Synthetic Biology & Synthetic Chemistry</i>
16:30 - 17:00	Coffee
17:00 - 18:00	Closing Remarks (Mintert, Ludwigs, Asplund) Freiburg Institute for Advanced Studies (FRIAS)