

Sunday 6th

Opening-Session:

Location: Barocksaal

Molecular Liquids Meet Ionic Liquids	
	Chair: Ralf Ludwig
16:00-18:00	Registration
18:00-18:10	Welcome Address
18:10-19:00	OL Robin D. Rogers: Does the Nature of the Bonding in Double Salt Ionic Liquids “Prove” a Difference Between Ionic Liquids and Molecular Liquids?
19:00-21:00	Welcome Reception with Food & Drinks

Monday 7th

Morning-Session:

Location: Universitätsaula

Interaction & Polarizability in Mixtures		
		Chair: Barbara Kirchner
8:50- 9:10		Opening Address
9:10- 9:50	PL 1	José Nuno Canongia Lopes: Probing the Distinctive Interactions and Structures of Ionic Liquids and Their Mixtures Using MD Simulations and Different Aggregation Analysis Tools
9:50-10:10	SL	Alessandro Mariani: The Importance of the Co-Solvent Polarity in Ethylammonium Nitrate Binary Mixtures: The Case of 1,2-Ethanediol
10:10-10:40		Coffeebreak
		Chair: Ed Maginn
10:40-11:20	PL 7	Christian Schröder: Polarizability Effects in Ionic Liquids
11:20-11:40	SL	Ivo Nezbeda: New Twists in Aqueous Electrolyte Research: Necessity to Go to Polarizable Models and Associated Problems
11:40-12:00	SL	Volodymyr P. Sergiievskyi: Pressure Correction of Solvation Free Energy Calculations with Classical DFT
12:00-12:20	SL	Oldamur Hollóczki: Chemical Absorption of Carbon Dioxide in Imidazolium Acetate Ionic Liquids
12:20-14:00		Lunch

Afternoon-Session:

Location: Universitätsaula

Transport Properties and Interfaces		
		Chair: Andreas Heintz
14:00-14:40	PL 2	Kenneth R. Harris: Scaling the Transport Properties of Molecular and Ionic Liquids
14:40-15:00	SL	Yasuhiro Umebayashi: Possibility of Super Arrhenius Proton Conduction in Pseudo-Protic Ionic Liquids: Imidazole and Acetic acid Equimolar Mixture
15:00-15:20	SL	Marcello Sega (see Abstract of György Hantal): Intrinsic Analysis of Liquid/Liquid Interfaces Involving Ionic Liquids: The Effect of the Opposite Phase on Interface Properties
15:20-15:40	SL	Volker Lesch: Influence of Cation on Lithium Ion Coordination and Transport in Ionic Liquids
15:40-16:10	Coffeebreak	
		Chair: Ken Harris
16:10-16:30	SL	Nicolas Bruot: Curvature-Dependence of the Surface Tension in Nucleation Experiments
16:30-16:50	SL	Florian Maier: Mimic Molecular Liquids Using Functionalized ILs to Study Chemical Reactions on the Molecular Level in Vacuum
16:50-17:10	SL	Stefan Krischok: TaF ₅ and NbF ₅ in [BMP]TFSA and [PMIm]TFSA. A Photoelectron Spectroscopy study
17:10-17:30	SL	Ruth M. Lynden-Bell: The Behaviour of Ionic Liquids Near Charged Walls
17:30-17:50	SL	Veronika Strehmel: ESR Investigation of Model Radicals in Co-Solvents Used for Enzymatic Polymerization of Hydrophobic Methacrylates
Postersession		
18:00-19:00	Postersession A (odd numbers)	
19:00-20:00	Postersession B (even numbers)	

Tuesday 8th

Morning-Session:

Location: Universitätsaula

Microscopic Structure & Dynamics		
		Chair: Klaas Wynne
8:30- 9:10	PL 3	Abdenacer Idrissi: Microscopic Structure and Dynamics in Mixtures of Imidazolium-Based Ionic Liquids with Polar Aprotic Solvents: Vibration Spectroscopy, NMR and Molecular Modeling
9:10-9:30	SL	Hajime Torii: A Strategy for Elucidating the Mechanism of Solvation-Induced Frequency Shifts of Vibrational Modes
9:30-9:50	SL	Andreas Nazet: Dielectric Relaxation of Mixtures Comprising Ethylammonium Nitrate and Polar Solvents
9:50-10:10	SL	Hideaki Shirota: Temperature Dependence of Low-Frequency Spectra in Ionic Liquids having Spherical Top Anions
10:10-10:40		Coffeebreak
		Chair: Ivo Nezbeda
10:40-11:20	PL 5	Oliver Kühn & Stefan Lochbrunner Vibrational Dephasing in Ionic Liquids as a Signature of Hydrogen Bonding & H-Bonded Structural Motifs in Liquids from Ultrafast CARS Spectroscopy
11:20-11:40	SL	Jadwiga Konarska: Ultrafast Dynamics of Intermolecular Interaction in CCl ₄ Probed by Isotope Effect Visible in the Stretching Vibration
11:40-12:00	SL	Jannis Samios: Local Structure and Dynamical Properties of Aqueous and Pure Amide Solutions of NMF (N-Methylformamide) and DMF (N, N-Dimethylformamide): A Molecular Dynamics Study
12:00-12:20	SL	Yoshifumi Kimura: Translational and Rotational Dynamics of Carbon Monoxide in Ionic Liquids
12:20-14:00		Lunch

Afternoon-Session:

Location: Universitätsaula

Microscopic Structure & Dynamics		
		Chair: Jannis Samios
14:00-14:20	SL	Olga Russina: Structural and Dynamic Properties of Ethylammonium Nitrate - DMSO Mixtures: A Joint Experimental and Computational Study
14:20-14:40	SL	Koji Yoshida: Collective Dynamics of Hydrated Protein and Polypeptides by Inelastic X-ray Scattering
14:40-15:00	SL	Oleg N. Kalugin: Translational and Rotational Dynamics of Imidazolium Based Ionic Liquids in Acetonitrile
15:00-15:20	SL	Alessandro Triolo: Pressure-Responsive Mesoscopic Structure in Room Temperature Ionic Liquids
History of the EMLG		
		Chair: Ruth Lynden-Bell
15:20-15:40	SL	Jack Yarwood: A History of the European Molecular Liquids Group (EMLG) 1981-2005
Excursion & Organ Concert		
16:00-18:00		Excursion
18:00-19:00		Organ Concert

Wednesday 9th

Morning-Session:

Location: Universitätsaula

Phase Behavior & Solvation		
		Chair: Christian Schröder
8:30- 9:10	PL 4	Barbara Kirchner: One, Two, Three! How Many Phases Are in (Ionic) Liquids?
9:10-9:30	SL	Bernd Rathke: The Phase Behavior of Solutions of Ionic Liquids
9:30-9:50	SL	Myroslav Holovko: Gas-Liquid Phase Diagram for an Ionic Fluid in a Random Porous Media
9:50-10:10	SL	Wolfram Schröder: Statistical Thermodynamics of Molecular Association in Ionic Systems and Binary Mixtures
10:10-10:40	Coffeebreak	
		Chair: Ze Nuno Lopes
10:40-11:20	PL 6	Edward J. Maginn: How Dissolved Organic Molecules and Water Alter the Structure and Properties of Ionic Liquids: A Molecular Modeling Study
11:20-11:40	SL	Katharina Schröder (Bica): Self-Organized Ionic Liquids in Water: New Impact for Catalysis
11:40-12:00	SL	Ari P. Seitsonen: H ₂ O-CO ₂ Mixtures Under Super-Critical Conditions: A Molecular Dynamics Study
12:00-12:20	SL	Koichiro Sadakane: Surfactant Molecules Behaving as Surface-Inactive Agents
12:20-14:00	Lunch	

Afternoon-Session:

Location: Universitätsaula

Phase Behavior & Solvation		
		Chair: Toshiyuki Takamuku
14:00-14:40	PL 8	Masayoshi Watanabe: Solvate Ionic Liquids: Border Between Molecular Liquids and Ionic Liquids
14:40-15:00	SL	Jens Smiatek: Solvent Effects of Ionic Liquids: Implications for the Solvation Properties and the Dynamic Behavior of Solutes
15:00-15:20	SL	Daniela Kerlé: Solvation Behavior of Alcohols in Ionic Liquids Implications for the Solvation Properties and the Dynamic Behavior of Solutes
15:20-15:40	SL	Jan von Langermann (see Poster-Abstract): Biocatalysis in Thermomorphic Solvents
15:40-16:10	Coffeebreak	
		Chair: Pál Jedlovsky
16:10-16:30	SL	Klaas Wynne: Liquid-Liquid Transitions in Molecular Liquids: Frustration controlling Phase Transitions
16:30-16:50	SL	Natalia Plechkova: Hydrated ionic liquids for enhancing process efficiency
16:50-17:10	SL	Toshiyuki Takamuku: Complex Formation of Transition Metal Ions in Imidazolium-based Ionic Liquid-Molecular Liquid Binary Solvents
17:10-17:40	EMLG Boardmeeting	
Conference Dinner		
19:00-21:00	Conference Dinner aboard "MS Rostock"	

Thursday 10th

Morning-Session:

Location: Universitätsaula

Hydration & Aqueous Solutions		
		Chair: Hajime Torii
8:30- 9:10	PL 9	Udo Kragl: Ionic Liquids as Quenching Medium for the Heat Treatment of Metallic Alloys
9:10-9:30	SL	Marina V. Fedotova: Hydration and Ion Binding of the Osmolyte Ectoine
9:30-9:50	SL	Gabriel Marchand: Effect of the Cation Model on the Structure of poly-L-Glutamate in Aqueous Sodium Chloride Solution: A Molecular Dynamics Study
9:50-10:10	SL	Nikolai N. Medvedev: Compressibility and Expansivity of SNase in Aqueous Solution — Molecular Dynamics Simulation and Volumetric Analysis
10:10-10:30		Coffeebreak
Applications		
		Chair: Masayoshi Watanabe
10:30-10:50	SL	Thomas J. S. Schubert: Mixtures of Ionic Liquids with Molecular Solvents and their Potential Application as Electrolytes in Batteries and Supercaps
10:50-11:10	SL	Shiro Seki: Battery Performances of Lithium Solvated Ionic Liquid as Electrolyte Materials
11:10-11:30	SL	Julia Großeheilmann: “Gummy bear”-like Polymerized Ionic Liquids (PILs) for the Immobilization of Organocatalysts
Closing		
11:30-12:10		EMLG-Assembly, Closing
12:10-14:00		Lunch