

Selection Colloquium



2 March 2017			Chairperson
8:30-8:50	Paulus, Bonn	Briefing	
8:50-9:00	Paulus, Bonn Ruck, Dresden	Welcome - Introduction to SPP 1708	
9:00-9:17	Brunner, Dresden Ruck, Dresden	Low-Temperature Conversions of Complex Solid Precursors in Ionic Liquids: New Compounds and Insights into Reaction Principles	Prof. Dehnen
9:17-9:34	Grin, Dresden Straßner, Dresden	Preparation of intermetallic phases in ionic liquids	
9:34-9:51	Held, Dortmund Verevkin, Rostock	Solubility of molecular and ionic precursors in ionic liquids	
9:51-10:05	Prechtel, Cologne	Fast track to nanomaterials: Nanoparticle synthesis in ionic liquid media at low temperature	
10:05-10:22	Fischer, Munich Janiak, Düsseldorf	Synthesis of intermetallic transition metal-main group metal nanoparticles in ionic liquids	
10:22-10:52	Coffee break		
10:52-11:09	Behrens, Eggenstein- Leopoldshafen Feldmann, Karlsruhe	Base Metal Nanostructures via Ionic-Liquid-based Synthesis (BaseMet-IL)	Prof. C. Wickleder
11:09-11:23	Köckerling, Rostock	New Early Transition Metal Atom Cluster Materials: In and with Ionic Liquids	
11:23-11:43	Hollóczki, Bonn Ispas, Illmenau Thünemann, Berlin	Formation and Growth of Gold Clusters in Ionic Liquids	
11:43-12:03	Körzdörfer, Potsdam Taubert, Potsdam Wedel, Potsdam	ILPIN: Ionic Liquid Precursors for Multicomponent Inorganic Nanomaterials	
12:03-12:20	Kirchner, Bonn Smarsly, Gießen	Understanding solution based syntheses of inorganic materials in ionic liquids: Peering into the reaction mechanism from birth to age	
12:20-12:37	Pachauri, Kaiserslautern	Identifying self-assembly route-maps in solution based growth by systematic hierarchy control	
12:37-12:54	Finze, Würzburg Müller-Buschbaum, Würzburg	Multifunctional Soft Materials from and with Borate Ionic Liquids and Lanthanides	

12:54-14:00	Lunch		
14:00-14:14	Lahiri, Clausthal	Template-free Electrochemical Synthesis of One-Dimensional Nanostructures from Ionic Liquids at Room Temperature	Prof. Taubert
14:14-14:28	Borisenko, Clausthal	Electrochemical Synthesis of III-V (GaN, InN, GaSb, InSb, AlSb) and Metal Sulfide (ZnS, GaS) Compound Semiconductors and their Nanostructures from Ionic Liquids	
14:28-14:44	Wark, Oldenburg	Ionic liquid assisted low-temperature synthesis of mixed metal oxides for photocatalytic hydrogen formation (ILMOPHY)	
14:44-15:01	Libuda (represented by Bauer & Brummel), Erlangen Wasserscheid, Erlangen	Reducible oxide materials: knowledge-driven design of novel low-temperature synthesis routes	
15:01-15:18	Bauer, Paderborn Wangelin, Regensburg	Molecular design and X-ray spectroscopy of & on iron nanocluster catalysts	
15:18-15:45	Coffee break		
15:45-15:59	Schmidt, Senftenberg	Thermochemical investigations of phase formation processes of elements and compounds of group 15 and 16 in ionic liquid based synthesis - Mechanism of dissolution, structure formation and precipitation	Prof. Feldmann
15:59-16:13	Dehnen, Marburg	Low-Temperature Approach to Solvent-Free Chalcogenidometalate Materials	
16:13-16:27	Sundermeyer, Marburg	Chalcogenide-based Ionic Liquids in the Synthesis of Metal Chalcogenide and Interchalcogenide Materials near Room Temperature	
16:27-16:41	Wehrich, Augsburg	Up- and down conversion of functional materials, a strategy combining IL synthesis of functional materials, resource efficiency and computational modeling	
16:41-16:55	Braun, Darmstadt	Ionic Liquids: A Novel Synthetic Approach for Rare Earth doped Nitridosilicates, Oxonitridosilicates and Nitridoalumosilicates for highly efficient LED's	
16:55-17:09	Hasenstab-Riedel, Berlin	Halogenated materials from novel reactive halogenating ionic liquids	
17:09-17:23	C. Wickleder, Siegen	Microwave-assisted synthesis of fluoride nanoparticles using ionic liquids as solvents and fluoride sources	
17:23-21:00	Paulus, Bonn	Meeting of the panel members and dinner	
18:00-20:00	Dinner applicants		

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8:30-8:44	Mathur, Cologne	Protic Ionic Liquid mediated room temperature synthesis of Organic-inorganic lead halide perovskites (PILOT)	Prof. Kirchner
8:44-8:58	Schulz (represented by Bresien & Arlt), Rostock	Pseudohalogen Chemistry in Ionic Liquids with Non-innocent Cations and Anions	
8:58-9:15	Janek, Gießen M. Wickleder, Gießen	Electrochemical Synthesis of Noble Metal Functional Materials from Ionic Liquids	
9:15-9:32	Schulz, Duisburg-Essen Schierning, Dresden	Low-temperature Synthesis of Thermoelectric Materials by Thermal Decomposition of Tailor-made Precursors in Ionic Liquids	
9:32-9:49	Hartmann, Erlangen Schulz, Erlangen	Synthesis of novel porous coordination polymers from structured and functionalized ionic liquid media	
9:49-10:05	Ruck, Dresden	Joint activities within the SPP 1708	
10:05-11:00	Poster session with coffee		
11:00-11:10	Paulus, Bonn Ruck, Dresden	Closing session	
11:10-12:45	Paulus, Bonn	Meeting of the panel members	
12:45-13:30	Lunch		
13:30-15:00	Paulus, Bonn	Meeting of the panel members	
15:00	Paulus, Bonn Ruck, Dresden	Closing remarks	