

Sunday, July 17, 2005

13:00 – 17:00	Registration
17:00 – 17:40	Conference Opening
	<i>Session Chair: J.D. Lamb</i>
17:40 – 18:10	Opening Lecture Spectacular advances in macrocyclic chemistry over the past thirty years R.M. Izatt, Brigham Young University, Provo, UT/USA
18:10 – 19:00	Plenary Lecture New discrete and framework molecular structures formed by metal ion directed self-assembly L.F. Lindoy, University of Sydney/AUS
19:00 – 21:00	Opening reception in the cafeteria of TU Dresden

Monday, July 18, 2005

	<i>Session Chair: F. Vögtle</i>
08:30 – 09:20	Plenary Lecture Model systems for biological processes G.W. Gokel, Washington University School of Medicine, St. Louis, MO/USA
09:20 – 09:45	Keynote Lecture Peptide recognition with luminescent crown ether amino acids B. König, University of Regensburg/D
09:45 – 10:05	Short Lecture What is a natural product like macrocycle and how to access them fast? L. Wessjohann, Leibniz Institute of Plant Biochemistry, Halle/D
10:05 – 10:35	Coffee Break
	<i>Session Chair: F.P. Schmidtchen</i>
10:35 – 11:00	Keynote Lecture Equilibrium self-assembly: thermodynamics and speciation models T.M. Fyles, University of Victoria/CND
11:00 – 11:20	Short Lecture Supramolecular saccharide macrocycles as efficacious solubilisers for lipophilic compounds in aqueous media M. Bertau, TU Dresden/D
11:20 – 11:40	Short Lecture Constitutional dynamic self-amplification in the dynamic terpyridine combinatorial libraries M. Barboiu, Institut Europeen des Membranes, Montpellier/F
11:40 – 12:00	Short Lecture Copper complexes of macrocyclic ligands featuring guanidinium and amine pendants: agents for the synergistic coordinative and hydrogen bonding-assisted cleavage of phosphate esters B. Graham, Monash University, Clayton/AUS
12:00 – 12:20	Short Lecture Synthesis of macrocycles by multiple cycloaddition reactions K. Banert, TU Chemnitz/D
12:30 – 14:00	Lunch
	<i>Session Chair: G.W. Gokel</i>
14:00 – 14:50	Plenary Lecture Modelling hydrogenase enzymes: structure, redox and function M. Schröder, University of Nottingham/UK
14:50 – 15:15	Keynote Lecture Carbaporphyrinoids: exploring arene coordination chemistry in a macrocyclic environment L. Latos-Grażyński, Wrocław University/PL
15:15 – 15:35	Short Lecture Supramolecular chemistry <i>in silico</i> P.J. Cragg, University of Brighton/UK
15:35 – 16:00	Keynote Lecture Modeling of macrocyclic ligand complexes P. Comba, University of Heidelberg/D
16:00 – 16:30	Coffee Break
	<i>Session Chair: M. Schröder</i>
16:30 – 17:00	Short Oral Presentations Poster A
17:00 – 19:00	Poster Discussion A

Tuesday, July 19, 2005

	<i>Session Chair: J.L. Sessler</i>
08:30 – 09:20	Plenary Lecture Anion sensing and templation P.D. Beer, University of Oxford/UK
09:20 – 09:45	Keynote Lecture From anion to ion-pair complexation: new cyclic and acyclic receptors P.A. Gale, University of Southampton/UK
09:45 – 10:05	Short Lecture New molecular receptors for phosphate anions K.A. Jolliffe, University of Sydney/AUS
10:05 – 10:35	Coffee Break
	<i>Session Chair: L. Fabbrizzi</i>
10:35 – 11:00	Keynote Lecture The anatomy of host-guest structural uniqueness by calorimetry F.P. Schmidtchen, TU München/D
11:00 – 11:20	Short Lecture Anion recognition by uncharged macrocyclic amides M. Chmielewski, Institute of Organic Chemistry, Warsaw/PL
11:20 – 11:40	Short Lecture Cyclopeptide derived anion hosts S. Kubik, TU Kaiserslautern/D
11:40 – 12:00	Short Lecture Halide anion binding by singly and doubly N-confused porphyrins H. Furuta, Kyushu University, Fukuoka/J
12:00 – 13:30	Lunch
	<i>Session Chair: P.D. Beer</i>
13:30 – 14:20	Plenary Lecture Ion-pair receptors for binding, transport and catalysis B.D. Smith, University of Notre Dame, IN/USA
14:20 – 14:45	Keynote Lecture Ligand design for base metal recovery: new system to transport metal salts P.A. Tasker, University of Edinburgh/UK
14:45 – 15:10	Keynote Lecture Molecular dynamics simulations on ion complexation and extraction to green solvents G. Wipff, University Louis Pasteur, Strasbourg/F
15:10 – 15:30	Coffee break
15:30 – 19:00	Excursion to Pillnitz Castle, Boat Trip on the Elbe river
19:30 – 24:00	Conference banquet, restaurant "Sophienkeller" located in the historical center of Dresden

Wednesday, July 20, 2005

	<i>Session Chair: K.N. Raymond</i>
08:30 – 09:20	Plenary Lecture Templating, threading, and knotting of molecules F. Vögtle, University of Bonn/D
09:20 – 09:45	Keynote Lecture Photophysical and electrochemical investigations on a shape-persistent macrocyclic ligand and its metal complexes M. Venturi, University of Bologna/I
09:45 – 10:05	Short Lecture Cage complexes as the molecular scaffold for polyfunctional and polynuclear systems Y.Z. Voloshin, Nesmeyanov Institute of Organoelement Compounds, Moscow/RU
10:05 – 10:35	Coffee Break
	<i>Session Chair: T.M. Fyles</i>
10:35 – 11:00	Keynote Lecture Derivatization of a laterally nonsymmetric cryptand for fluorescence studies P.K. Bharadwaj, IIT Kanpur/IND
11:00 – 11:20	Short Lecture From metal-based catenanes and rotaxanes to molecular machines P.J. Lusby, University of Edinburgh/UK
11:20 – 11:40	Short Lecture Synthesis of DNA polycatenane by template assisted polycatenation Y. Ohya, Kansai University, Osaka/J
11:40 – 12:00	Short Lecture Selective encapsulation of neutral organic molecules in an anionic metal-assembled host R.G. Harrison, Brigham Young University, Provo, UT/USA
12:00 – 12:20	Short Lecture Enclosing chemical space with cyclotrimeratrylene based ligands C.J. Sumbly, University of Leeds/UK
12:30 – 14:00	Lunch
	<i>Session Chair: E. Kimura</i>
14:00 – 14:50	Plenary Lecture Oligopyrrole macrocycles: novel receptors for cations and anions J.L. Sessler, University of Texas, Austin, TX/USA
14:50 – 15:15	Keynote Lecture Calixarene-encapsulated nanoparticles: self-assembly into functional nanomaterials A. Wei, Purdue University, West Lafayette, IN/USA
15:15 – 15:35	Short Lecture Supramolecular chemistry on polymer surfaces E. Schollmeyer, Deutsches Textilforschungszentrum Krefeld/D
15:35 – 16:00	Coffee Break
	<i>Session Chair: B. König</i>
16:00 – 16:25	Keynote Lecture Resorcinarenes with metal ion centers for anion complexation J.D. Lamb, Brigham Young University, Provo, UT/USA
16:25 – 16:55	Short Oral Presentations Poster B
16:55 – 19:00	Poster Discussion B
20:00 – 21:00	Organ Recital, "Christuskirche" Dresden-Strehlen

Thursday, July 21, 2005

	<i>Session Chair: L.F. Lindoy</i>
08:30 – 10:30	Thomas Kaden Honour Session – Introduction and Lectures
08:40 – 09:05	Keynote Lecture Threads, rings and mirrors ... or a journey from metallopolymers to novel chiral structures E.C. Constable, University of Basel/CH
09:05 – 09:25	Short Lecture A macrocyclic Zn sensor with a 8-hydroxyquinoline-side arm for biological applications E. Kimura, University of Hiroshima/J
09:25 – 09:45	Short Lecture Macrocyclic conjugated biomolecules for targeted tumor diagnosis and therapy H. Mäcke, University of Basel/CH
09:45 – 10:05	Short Lecture Effect of cyclodextrins on diazonium salts coupling with azoles. High yield synthesis of chromogenic azo-macrocycles J.F. Biernat, Gdansk University of Technology/PL
10:05 – 10:30	Keynote Lecture Molecular devices based on poly-aza-macrocyclic metal complexes L. Fabbrizzi, University of Pavia/I
10:30 – 10:55	Coffee Break
	<i>Session Chair: E.C. Constable</i>
10:55 – 11:20	Keynote Lecture Macrocyclic chemistry at Schering AG - 20 years of experience J. Platzek, Schering AG, Berlin/D
11:20 – 11:40	Information on future meetings 2006 and 2007
11:40 – 12:30	Plenary Lecture Self-organisation by design and by selection J.-M. Lehn, University Louis Pasteur, Strasbourg and Collège de France, Paris/F
12:30 – 14:00	Lunch
	<i>Session Chair: R.M. Izatt</i>
14:00 – 15:00	Izatt-Christensen Award Ceremony and Lecture Chemistry in chiral, nanoscale flasks K.N. Raymond, University of California, Berkeley, CA/USA
15:00 – 15:20	Short Lecture Template synthesis of a cyclic tetracarbene ligand with crown ether structure F.E. Hahn, University of Münster/D
15:20 – 15:40	Short Lecture Diels-Alder reactivity of metalated container molecules B. Kersting, University of Leipzig/D
15:40 – 16:10	Coffee break
	<i>Session Chair: P.A. Tasker</i>
16:10 – 16:30	Short Lecture Complexation of fullerenes and chromophores by water soluble cavitands M. Makha, University of Western Australia, Perth/AUS
16:30 – 16:50	Short Lecture A dynamic library of dendron-decorated self-assembling metallosupramolecular squares with a nanometer-sized cavity C.A. Schalley, University of Bonn/D
16:50 – 17:15	Keynote Lecture Self-assembled coordination cages as molecular flasks M. Fujita, The University of Tokyo/J
17:15 – 17:30	Closing of the Conference

