

Program
XXIV. TdSE — Terrae Rarae 2011
October 12 to October 14, 2011
Karlsruhe Institute of Technology

Oral Contributions of Invited Speakers (I) and Other Talks (O)

Wednesday, October 12, 2011			
Chair: Michael Seitz, Bochum			
	10:40-11:00	P. Roesky	Opening
I1	11:00-11:50	P. Junk (Monash)	New metal based syntheses in rare earth chemistry
O1	11:50-12:10	T. Vitova , M. A. Denecke, M. Löble, T. Prüßmann, J. Rothe (Karlsruhe)	High-resolution X-ray absorption spectroscopy as an advanced tool for structural studies of lanthanide complexes
O2	12:10-12:30	T. Schleid (Stuttgart)	Oxoarsenates of the Lanthanides: Pure Poison?
	12:30-14:00		Lunch Break
Chair: Audrey Auffrant, Palaiseau			
I2	14:00-14:50	I. Billard (Straßburg)	Ionic liquids for rare earth extraction: from discovery to understanding
O3	14:50-15:10	M. Cole , M. Gyton, M. Kloth, K. Konstas (Sydney)	Studies of a General Path to Low Valent Scandium
O4	15:10-15:30	M. Valldor (Köln)	Complex magnetism in new rare-earth metal compound
O5	15:30-15:50	C. Apostolidis , O. Walter, F. Bruchertseifer, U. Müllich, A. Morgenstern (Karlsruhe)	BTP, an important and interesting ligand, not only in the extraction chemistry of lanthanides and actinides
	15:50-16:20		Coffee
Chair: Tonja Vitova, Karlsruhe			
O6	16:20-16:40	L. Maron (Toulouse)	An overview of our theoretical approach of the organoactinide chemistry

O7	16:40-17:00	C. M. Ruff , U. Müllich, A. Geist, P. J. Panak (Karlsruhe)	A TRLFS study on the complexation of Eu(III) with a novel extraction ligand for the innovative SANEX process
O8	17:00-17:20	K. Zeckert (Leipzig)	Lanthanoid complexes of group 13 and 14 pyridyl metallates; coordination chemistry and redox processes
O9	17:20-17:40	S. Labouille (Palaiseau)	Theoretical Study of Oxidation Processes in Lanthanide(II) Complexes
O10	17:40-18:00	J. Marçalo , A. F. Lucena, C. Lourenço, B. Monteiro, L. Maria, J. M. Carretas, P. X. Rutkowski, J. K. Gibson (Sacavém)	Mass spectrometry of rare earths – from compound characterization to fundamental gasphase properties
	18:30-22:00		Poster Session
Thursday, October 13, 2011			
Chair: Kai Hultsch, Piscataway			
I3	09:00-9:50	S. M. Guillaume (Rennes)	Lanthanide borohydride complexes in ring-opening polymerization of cyclic esters: What next after a decade of research?
O11	09:50-10:10	G. Meyer , I. Pantenburg, D. Muus, J. Stark, C. Walbaum, P. Junk, G. B. Deacon (Köln)	Rare-Earth(III)—Crown-Ether—Polyiodides
O12	10:10-10:30	A. R. Crozier , C. Maichle-Mössmer, C. Schädle, R. Anwander (Bergen)	Ceric Ammonium Nitrate-derived Tetravalent Silylamides
	10:30-11:00		Coffee
Chair: Kornelia Zeckert, Leipzig			
O13	11:00-11:20	J.-C. G. Bünzli (Lausanne)	Tuning Luminescence Efficiency in 8- and 9-Coordinate Europium Complexes: Role of the Radiative Lifetime

O14	11:20-11:40	F. Bonnet , F. Jaroschik, F. Nief , C. Iftner, L. Maron, M. Visseaux (Villeneuve)	Ring opening Polymerization of ϵ -Caprolactone by Divalent Borohydride Complexes: Experimental and Mechanistic Insights
O15	11:20-11:40	C. Belot , M. Veith (Saarbrücken)	Alkoxy-Lanthanides bearing Thiophene Ligands: Structures and Physical Properties
O16	12:00-12:20	G. B. Deacon , P. C. Junk, R. P. Kelly, J. Wang (Monash)	Effect of the lanthanoid element on Ar(C)-F-Ln coordination and C-F activation
O17	12:20-12:40	N. Alzakhem, C. Bischof, C. Doffek, T. Güden, J. Scholten, M. Seitz , S. Trosien, J. Wahsner (Bochum)	Lanthanoid Cryptates – Towards New and Improved Bioanalytical Applications
	12:40-14:00		Lunch
Chair: Alan Crozier, Bergen			
I4	14:00-14:50	P. L. Arnold , A. Germeroth, I. H. Marr, Z. R. Turner, I. J. Casely, S. M. Mansell (Edinburgh)	Carbon-Element Bond Forming Reactions with Redox-Inactive Lanthanide Carbene complexes
O18	14:50-15:10	K. C. Hultsch , A. L. Reznichenko, H. N. Nguyen, H. Lee, A. Goswami (Piscataway)	Rare Earth Metal-Catalyzed Asymmetric Hydroamination of Alkenes
O19	15:30-15:30	B. Kosog , T. Vitova, M. A. Denecke, K. Meyer (Erlangen)	XANES as an Effective Tool for Oxidation State Determination in Coordination Complexes of Uranium – A Series of U ^{III} to U ^{VI}

O20	15:30-15:50	L. S. Natrajan , S. J. A. Pope, A. J. Villaraza, E. J. Shiells, A. M. Kenwright, S. Faulkner (Manchester)	Investigating Energy Transfer Processes in Multimetallic Lanthanide Complexes
	15:50-16:20		Coffee
Chair: Richard Layfield, Manchester			
O21	16:20-16:40	A. Auffrant , T.-P.-A. Cao, A. Buchard, C. K. Williams (Palaiseau)	PhosphaSalen Yttrium Complexes: Highly Active and Stereoselective Initiators for Lactide Polymerization
O22	16:40-17:00	E. Rogers , P. Dorenbos, E. van der Kolk (Delft)	An empirical model to explain and predict electronic and optical properties of binary lanthanide (Ln=La...Lu) halides, chalcogenides and pnictides
O23	17:00-17:20	D. M. Roitershtein , A. A. Vinogradov, K. A. Lyssenko, I. E. Nifant'ev, A. N. Tavgorkin (Moscow)	Lanthanide complexes with aryl substituted carboxylate and phosphate ligands, structural diversity and application in diene polymerization
O24	17:20-17:40	M. G. Gardiner (Hobart)	Steric effects in Sm(II) reduction chemistry illustrated with pyrrolide-based macrocyclic ligands of variable conformational flexibility
	17:40-18:00	G. Meyer	Terrae Rarae Award
	18:30-22:00		Conference Dinner

Friday, October 14, 2011

Chair: Fanny Bonnet, Villeneuve

I5	09:00-09:50	A. Simon (Stuttgart)	Hydrogen, bad and good ghost in rare earth metal compounds
O25	09:50-10:10	D. McKay , L. Maron, F. G. N. Cloke (Toulouse)	Computational Insight into the Reductive Oligomerisation of CO at Uranium (III) Mixed-Sandwich Complexes
O26	10:10-10:30	D. Collison, C. Smith, S. A. Sulway, F. Tuna, R. E. P. Winpenny, R. A. Layfield (Manchester)	Dysprosium Organometallics in Single-molecule Magnetism
	10:30-11:00		Coffee

Chair: Glen Deacon, Monash

I6	11:00-11:50	W. J. Evans (Irvine)	New Chemistry From an Old Ligand, the Venerable Cyclopentadienide
O27	11:50-12:10	S. T. Liddle , D. P. Mills, A. J. Wooles, O. J. Cooper, L. Soutar, J. McMaster (Nottingham)	Recent Advances in the Chemistry of f-Block Carbenes with Latent M=C Double Bonds
O28	12:10-12:30	B. Munkhtsetseg , B. Dulmaa, J. Oyun, T. Otgonjargal (Ulaanbaatar)	Chemical investigation of apatite from Mushgai khudag's deposit, Mongolia
O29	12:30-12:50	P. R. Matthes, L. Meyer, A. Zurawski, C. J. Höller, K. Müller-Buschbaum (Würzburg)	Luminescent Rare Earth Organic-Inorganic Hybrid Materials
	12:50-13:00	P. Roesky	Closing Remarks
	13:00		End of Conference