

Program

XXVIII. Tage der Seltenen Erden - Terrae Rarae – 04.10. - 06.10.2017

Wednesday, October 4th

Schlenk Lecture (Lecture Hall N5)		
15:00	Registration for Terrae Rarae	
17:00-17:15	Opening	Reiner Anwander (Tübingen, Germany)
17:15	4th Schlenk Lecture	Sjoerd Harder (Erlangen, Germany)
18:15	Welcome Reception	

Thursday, October 5th

Morning Session (Lecture Hall N5)		
08:30-09:00	Registration for Terrae Rarae	
Chair: Reiner Anwander		
09:00-09:15	Opening Remarks	
P1	09:15-10:00	William J. Evans (Irvine, USA) Recent Results in the +2 Oxidation State Chemistry of the Rare Earth and Actinide Metals
O1	10:00-10:15	Peter Junk (Townsville, Australia) Reactivity of Low Valent Lanthanoids with Small Molecules
O2	10:15-10:30	Danny Schuhknecht (Aachen, Germany) Molecular Ytterbium(II) Hydrides Stabilized by NNNN-Type Macrocyclic Ligands
	10:30-11:00	Coffee Break

Thursday, October 5th

Chair: Dorothea Schädle

O3	11:00-11:15	Manfred Nacken (C&CS)	Overview about Tailor-Made Catalysts and Chemical Specialties for Important Industrial Processes
O4	11:15-11:30	Kazushi Mashima (Osaka, Japan)	Yttrium-Amide Complexes for Direct C-H Aminoalkylation of 2-Substituted Pyridine Derivatives
O5	11:30-11:45	John Seed (Manchester, UK)	Rare Earth- and Uranium-Mesoionic Carbenes: A New Class of f-Block Carbene Complex Derived from an N-Heterocyclic Olefin
O6	12:00-12:15	Philip Mountford (Oxford, UK)	Synthesis and Small Molecule Activation Reactions of the First Scandium Borylimido Complex
O7	11:45-12:00	Martin Adam (Bruker AXS)	Tools for Structure Determination in Rare-Earth Chemistry
	12:15-13:45	Lunch Break	

Afternoon Session (Lecture Hall N5)

Chair: Michael Seitz

P2	13:45-14:30	Stephen Faulkner (Oxford, UK)	Funny Shaped Balls: Exploring and Exploiting the Properties of Lanthanide Ions
O8	14:30-14:45	Benjamin Day (Manchester, UK)	Magneto-Structural Correlations in Dysprosium Metallocene Single Molecule Magnets
O9	14:45-15:00	Markus Enders (Heidelberg, Germany)	Molecular Lanthanide Compounds with Large Magnetic Anisotropies: NMR Evaluation and Determination of Ligand Field Parameters
O10	15:00-15:15	Michael Nippe (College Station, USA)	Magnetization Dynamics of Novel Heterometallic Lanthanide – Transition Metal Complexes
O11	15:15-15:30	Florian Jaroschik (Reins, France)	Generation of ϵ,ϵ -Difluorinated Metal-Pentadienyl Species Through Lanthanide-Mediated C-F Activation
	15:30-17:00	Poster Session with Coffee Break (in front of lecture hall N5)	

Chair: H.-Jürgen Meyer

O12	17:00-17:15	Gerd Meyer (Ames, USA)	Non-Existent Intermetallics
O13	17:15-17:30	Henning Höpfe (Augsburg, Germany)	On Doped Borosulphates and Fluorooxoborates
O14	17:30-17:45	Thomas Schleid (Stuttgart, Germany)	Make Europium Great Again
O15	17:45-18:00	Holger Kohlmann (Leipzig, Germany)	The Magnetic Structure of SmCo_5 from 6 K to the Curie Temperature

Evening Session (Lecture Hall N5)

Chair: Frank T. Edelmann

P3	18:00-18:45	Josef Takats (Edmonton, Canada)	Five Decades of f-Element Scorpionate Chemistry: the Future Looks Bright
	19:30	Conference Dinner (at Restaurant Museum)	

Friday, October 6th

Morning Session (Lecture Hall N5)

Chair: Lars N. Jende

P4	09:00-09:45	Dongmei Cui (Changchun, China)	Precisely Controlled (co)Polymerization of Diene and Styrene by Using Rare-Earth Metal Catalysts
O16	09:45-10:00	Elisa Louryiac (Toulouse, France)	Substitution Effects in Highly Syndioselective Styrene Polymerization Catalysts Based on Single-Component Allyl ansa-Lanthanidocenes: A theoretical study
O17	10:00-10:15	Andreas Gollwitzer (Bayreuth, Germany)	A Broadly Tunable Synthesis of Linear α -Olefins
	10:15-10:45		Coffee Break

Chair: Hermann A. Mayer

O18	10:45-11:00	Anja-Verena Mudring (Stockholm, Sweden)	Luminescent and Magnetic Ionic Liquids
O19	11:00-11:15	David Mills (Manchester, UK)	Stabilizing Unusual Coordination Geometries and Oxidation States in f-Block Chemistry
O20	11:15-11:30	Peter Roesky (Karlsruhe, Germany)	Main Group Molecules in 4f-Metal Chemistry
O21	11:30-11:45	Thomas Rookes (Manchester, UK)	Heavy Pnictide Complexes of Uranium and Thorium
O22	11:45-12:00	Dimitri Roitershtein (Moscow, Russia)	Di-, Tri-, and Tetraphenylcyclopentadienyl Complexes of Rare Earths, Structural Diversity and Application in Catalysis and Luminescence
	12:00-13:30		Lunch Break

Afternoon Session (Lecture Hall N5)

Chair: Reiner Anwander

P5	13:30-14:15	Eric Schelter (Philadelphia, USA)	Developments in the Oxidation Chemistry of the Lanthanides
O23	14:15-14:30	Michael Dolg (Cologne, Germany)	Ce(IV) or Ce(III)? The Electronic Ground States of Cerocene and Bis(pentalene)cerium Through the Eyes of a Theoretical Chemist
O24	14:30-14:45	Dieter Lentz (Berlin, Germany)	First Rare Earth Metal Catalyzed C-F Bond Activation
O25	14:45-15:00	Glen Deacon (Monash, Australia)	C-F Activation Induced by Lanthanoid Complexes
O26	15:00-15:15	Guo Zhifang (Monash, Australia)	Synthesis of Lanthanoid Complexes by Redox Transmetallation Utilising Pentafluorophenylsilver /Tris(pentafluorophenyl)bismuth
