



14. ÖSTERREICHISCHE CHEMIETAGE

14th Austrian Chemistry Days

September 26 – 29, 2011

JOHANNES KEPLER UNIVERSITY LINZ



Program



JKU
JOHANNES KEPLER
UNIVERSITÄT LINZ



International Year of
CHEMISTRY
2011

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Conference Office

26.9.2011	09:00 – 18:00
27.9.2011	08:30 – 18:00
28.9.2011	08:30 – 16:30

Media Center Room K 034D

26.9.2011	09:00 – 12:00 and 13:00 – 17:00
27.9.2011	08:30 – 12:00 and 13:30 – 17:00
28.9.2011	08:30 – 12:00 and 13:30 – 16:00

Conference Office and Media Center are in the so called "Kepler Gebäude" on the ground floor. The main entrance is on Altenberger Strasse 69, 4040 Linz.

Exhibition opening hours:

26.9.2011:	11:00 – 17:30
27.9.2011:	08:30 – 18:00
28.9.2011:	08:30 – 16:30

Oral and poster presentations

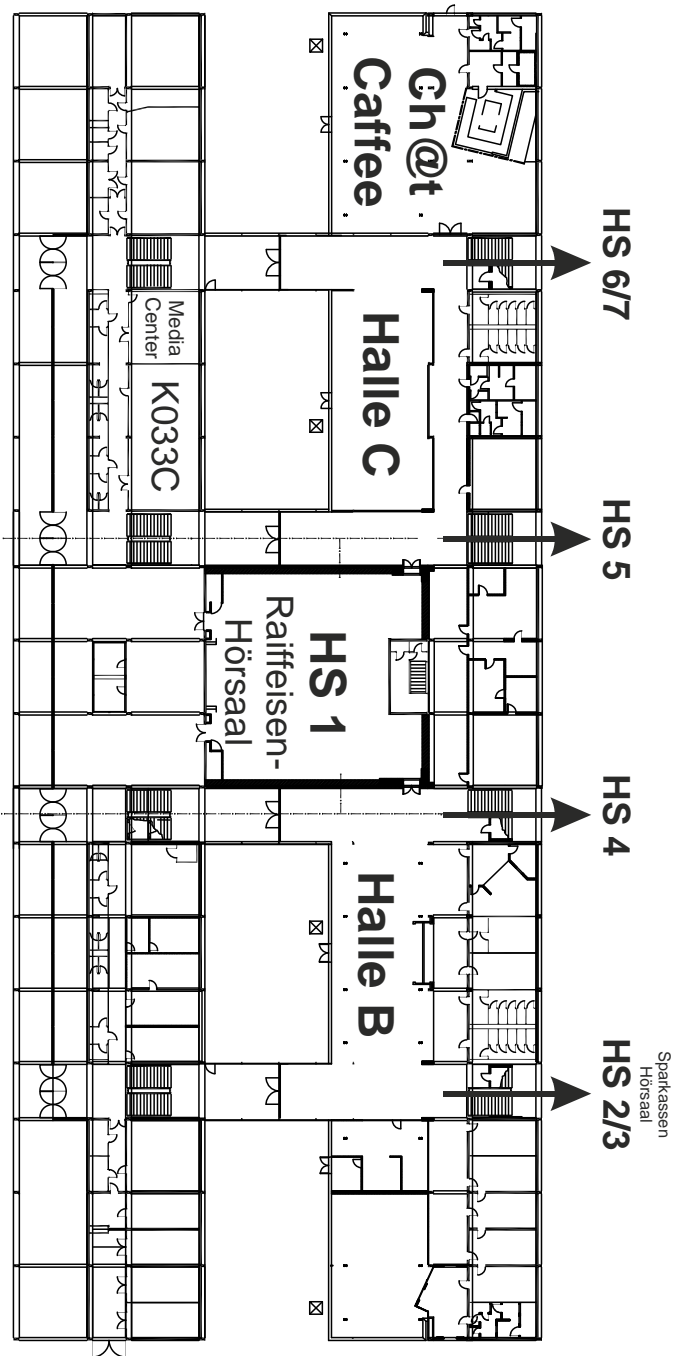
There is a time limit for oral presentations of 15 minutes and 5 minutes for discussion. Oral presentations will be held in parallel sessions.

Generally 45 minutes will be allowed for plenary lectures.

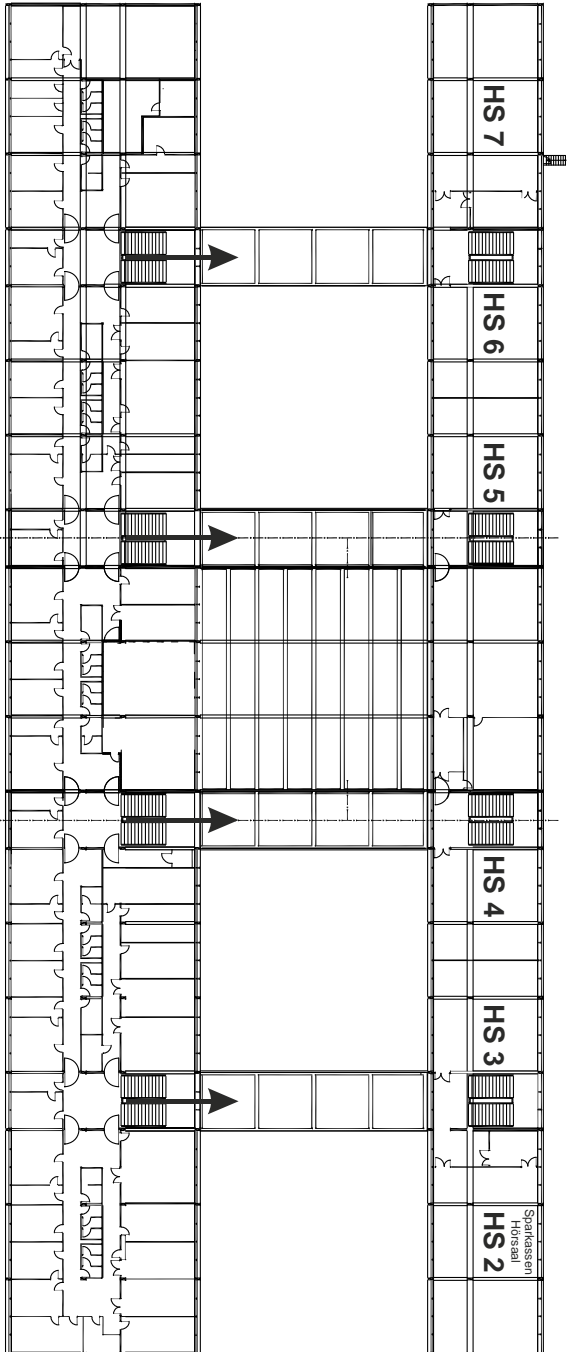
Beamer projection (Power Point) is provided. CD or USB stick is accepted.

Poster size is A0 (width 841mm x height 1189mm). Posters should be designed in portrait format. They have to be presented from Monday midday to Wednesday afternoon.

AREA MAP – FIRST FLOOR



AREA MAP – SECOND FLOOR



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Verband der wissenschaftlichen Gesellschaften Österreichs	www.vwgoe.at
voestalpine AG	www.voestalpine.com

Program

Monday September 26	Tuesday September 27
12:00 – 17:00 Minisymposia <i>Intelligent Utilisation of Renewables Contributions to a Bio-based Economy Surface Chemistry and Catalysis Chemistry in Art and Cultural Heritage Cereals and Oilseeds</i>	08:45 – 09:15 Conferment of the Emich Medal
	09:15 – 10:00 Plenary Lecture M. Grasserbauer
	11:30 – 12:15 Plenary Lecture A. Fürstner
	10:00 – 16:30 Short Lectures <i>Analytical Chemistry Electrochemistry Inorganic Chemistry Materials Chemistry Physical Chemistry Organic Chemistry Engineering and Microwave Chemistry Mini Symposia Sustainable Chemistry Chemistry after University</i>
14:15 – 17:00 ASAC General Assembly	
15:00 – 15:30 Coffee break, posters & exhibition visit	
15:30 – 17:00 Short Lectures <i>Electrochemistry Organic Chemistry</i>	
	11:00 – 11:30 Coffee Break, poster discussion
17:00 – 18:00 GÖCH General Assembly	12:15 – 13:00 Lunch
	13:00 – 14:30 Sparkling Science
18:00 – 18:15 Opening	13:00 – 14:30 Workshop Jobsuche
	15:00 – 15:30 Coffe Break, poster discussion
18:15 – 19:00 Plenary Lecture V. Balzani	16:30 – 17:30 Plenary Lecture R. Huber
	18:00 – 19:00 Chemistry Awards & Anton Paar Science Award 2011
19:15 Welcome Party	19:30 Conference Dinner

Program

Wednesday September 28	Thursday September 29
<p>08:45 – 09:45 Opening APST2 & Plenary Lecture L. Emsley</p>	<p>Excursions</p> <p>Excursion A voestalpine and Sightseeing in Downtown of Linz: Departure: 08:30 Arrival: 17:00 – 17:30</p>
<p>10:00 – 10:30 Invited Lecture N. Hüsing</p>	<p>Excursion B Chemiepark Linz and Sightseeing in Downtown of Linz: Departure: 08:30 Arrival: 17:00 – 17:30</p>
<p>10:00 – 17:30 Short Lectures <i>Materials Chemistry</i> <i>Polymer Chemistry</i> Mini Symposia <i>Physical Chemistry</i> <i>Vergessene Leistungen</i> <i>österreichischer Chemiker</i> <i>NMR</i> <i>Medicinal Chemistry</i></p>	
<p>11:00 – 11:30 Coffee Break, poster discussion</p>	
<p>11:30 – 12:15 Plenary Lecture A.W. Hassel</p>	<p>09:00 – 17:00 Minisymposium Verband der Chemielehrer Österreichs</p>
<p>12:30 – 13:15 Lunch</p>	<p>12:15 – 13:30 Lunch Break</p>
<p>13:30 – 14:00 Invited Lecture K. Breuker</p>	<p>15:00 – 15:15 Coffee Break</p>
<p>15:15 – 16:00 Coffee Break, poster discussion</p>	
<p>19.00 Convivial Evening at “Josef Linz”</p>	

		Monday, September 26, 2011
	14:15 - 17:00	ASAC General Assembly Sparkassen Hörsaal (HS 2)
	12:00 - 17:00	Minisymposia <ul style="list-style-type: none"> • Intelligent Utilisation of Renewables - Contributions to a Bio-based Economy • Surface Chemistry and Catalysis • Chemistry in Art and Cultural Heritage • Cereals and Oilseeds
	15:00 - 15:30	Coffee break, poster & exhibition visit
	15:30 - 17:00	Short Lectures <ul style="list-style-type: none"> • Electrochemistry • Organic Chemistry
	17:00 - 18:00	GÖCH General Assembly Raiffeisen Hörsaal (HS 1)
	18:00 - 18:15	Opening Raiffeisen Hörsaal (HS 1)
		Plenary Lecture Raiffeisen Hörsaal (HS 1)
	18:15 PL-1	V. Balzani CREATIVITY IN CHEMISTRY
	19:15	Welcome Party

Sparkassen Hörsaal (HS 2)		ASAC General Assembly
	14:15	ASAC Business Meeting
	15:15 OP-1	P.A. Lieberzeit <i>Feigl Awardee of ASAC</i> BIOLOGICAL RECOGNITION PRINCIPLES AS A MODEL FOR HIGHLY SELECTIVE, ARTIFICIAL RECOGNITION LAYERS: FROM AFFINITY MATERIALS TO "ARTIFICIAL ANTIBODIES"
	16:00 OP-2	Marek Mahut <i>ASAC Analyst Awardee 2011</i> TOPOLOGY-SELECTIVE CHROMATOGRAPHY REVEALS PLASMID SUPERCOILING SHIFTS DURING FERMENTATION
16:30 OP-3	Ch. Seger CURRENT STANDING OF LC-MS/MS IN CLINICAL ROUTINE	

Hörsaal 3		Short Lectures Electrochemistry
	15:30 OP-4	E.O. Lomako ELECTROCHEMISTRY AND SPECTROSCOPY OF NIOBIUM (V) IN IONIC LIQUIDS
	15:50 OP-5	L. Vieira ZINC ELECTRODEPOSITION FROM A CHOLINE CHLORIDE-BASED DEEP EUTECTIC SYSTEM
	16:10 OP-6	M. Wu MICROFABRICATION AND CHARACTERIZATION OF CONE-SHAPED BORON-DOPED DIAMOND AND GOLD NANOELECTRODES FOR AFM/SECM
	16:30 OP-7	S. Wibihal KATHODIC REACTION KINETICS OF ATMOSPHERIC, GALVANIC CORROSION ON AIRCRAFT MATERIALS

Hörsaal 4		Minisymposium Intelligent Utilisation of Renewables - Contributions to a Bio-based Economy
	12:00 MS-1	H.K. Weber BIOREFINERY ACTIVITIES IN PULP AND FIBRE PROCESSING
	12:30 MS-2	J.S. Gütsch PREHYDROLYSIS OF WOOD FOR XYLOOLIGOMER EXTRACTION
	13:00 MS-3	V. Gehmayr PULP REACTIVITY ENHANCEMENT BY ENZYMATIC TREATMENT
	13:30 MS-4	M. Siller CHEMICAL MODIFICATIONS OF CELLULOSE

Hörsaal 4		Short Lectures Organic Chemistry
	15:30 OP-11	M. Waser TARTARIC ACID DERIVED ORGANOCATALYSTS
	15:50 OP-12	M. Grininger CHEMICALLY CODED TWO-STEP BIOSYNTHESIS OF 4-HYDROXY-PYRAN-2-ONES
	16:10 OP-13	C.F.W. Becker PROTEIN (SEMI-) SYNTHESIS AS A TOOL FOR GENERATING TAILOR-MADE PROTEINS
	16:30 OP-14	M. Saural PREPARATION AND PROPERTIES OF 2-ARYL-3-HYDROXY-4(1H)-QUINOLINONES: STATE-OF-THE-ART

Hörsaal 5		Minisymposium Surface Chemistry and Catalysis
	13:00 MS-5	K. Mayer CHEMICAL LOOPING REFORMING IN A DUAL CIRCULATING FLUIDIZED BED
	13:20 MS-6	H. Kitzler OVERVIEW ON CATALYSTS FOR GAS UPGRADING FOR DUAL FLUIDISED BED BIOMASS GASIFICATION
	13:40 MS-7	Ch. Kartusch THE STRUCTURE OF CERIA SUPPORTED GOLD IN LIQUID PHASE HYDROGENATION
	14:00 MS-8	M. Schitter OPERANDO SPECTROSCOPY OF ETHANOL OXIDATION OVER GOLD-SILVER CATALYSTS SUPPORTED ON TITANIA
	14:20 MS-9	S. Penner WATER-GAS SHIFT- AND FORMALDEHYDE REFORMING ACTIVITY DETERMINED BY DEFECT CHEMISTRY OF POLYCRYSTALLINE In_2O_3
	14:40 MS-10	A. Kitla IN SITU SPECTROSCOPY ON ZIRCONIA-BASED METAL-OXIDE SYSTEMS
	15:00	Coffee Break
	15:30 MS-11	R. Schennach THE REACTION OF METHANOL ON ZnO MODIFIED Pd(111)
	15:50 MS-12	H.H. Holzapfel SURFACE CATALYTIC MEASUREMENTS ON PdZn(111)-ALLOYS
	16:10 MS-13	M. Hall ASYMMETRIC SYNTHESIS OF INDUSTRIALLY RELEVANT CHIRAL COMPOUNDS USING ENE-REDUCTASES
	16:30 MS-14	W. Kroutil BIOCATALYTIC APPROACHES TO CHIRAL PRIM- AND TERT-AMINES

Hörsaal 6		Minisymposium Chemistry in Art and Cultural Heritage
	13:00 MS-15	D. Jembrih-Simbuenger RAMAN SPECTRA DATA BASE OF THE MATERIAL COLLECTION OF THE 19 th AND 20 th CENTURY
	13:20 MS-16	R. Wiesinger EARLY STAGES OF ATMOSPHERIC CORROSION OF SILVER
	13:40 MS-17	V. Pitthard NEW APPROACHES IN THE GC-MS INVESTIGATIONS IN THE KUNSTHISTORISCHES MUSEUM, VIENNA
	14:00 MS-18	T. Bayerová TECHNICAL STUDY OF POLYCHROME CLAY SCULPTURES FROM THE BUDDHIST TEMPLE COMPLEX AT NAKO, NORTH INDIA
14:20 MS-19	J. Bailer SAMPLING STRATEGIES FOR THE EVALUATION OF PESTICIDE CONTAMINANTS ON ETHNOLOGICAL MUSEUM OBJECTS	

Hörsaal 7		Minisymposium Cerials and Oilseeds
	12:00	Opening
	12:15 MS-20	S. Till CEREALS - BASICS IN BOTANY AND NUTRITIONAL COMPONENTS
	12:45 MS-21	A. Mar SODIUM CHLORIDE IN THE AREA OF CONFLICT BETWEEN NUTRITION RECOMMENDATIONS AND BAKING TECHNOLOGY
	13:15 MS-22	D. Marko TOXICOLOGY OF MYCOTOXINS
	13:45 MS-23	M. Cichna-Markl ALLERGENS AND FOOD INTOLERANCE CAUSING COMPOUNDS IN CEREALS
	14:15 MS-24	J. Lueckl OILSEEDS AND THEIR PRODUCTS
	15:00	Coffee Break
	15:30 MS-25	E. Berghofer TECHNOLOGY OF PLANT OIL PRODUCTION
	16:00 MS-26	K.-H. Wagner FUNCTIONAL FOOD ÖLFRÜCHTE
	16:30 MS-27	R. Öhlinger MYKOTOXINE UND PAKs IN GETREIDE UND ÖLFRÜCHTEN

		Tuesday, September 27, 2011
08:45 - 09:15		Conferment of the Emich Medal Raiffeisen Hörsaal (HS 1)
		Plenary Lecture Raiffeisen Hörsaal (HS 1)
09:15 PL-2		M. Grasserbauer THE CLIMATE AND ENERGY POLICY OF THE EUROPEAN UNION: CHALLENGES FOR GREEN CHEMISTRY
10:00 - 17:30		Mini Symposia <ul style="list-style-type: none"> • Sustainable Chemistry • Chemistry after University
10:00 - 16:30		Short Lectures <ul style="list-style-type: none"> • Analytical Chemistry • Electrochemistry • Inorganic Chemistry • Materials Chemistry • Physical Chemistry • Organic Chemistry
11:00 - 11:30		Coffee Break, poster discussion
		Plenary Lecture Raiffeisen Hörsaal (HS 1)
11:30 PL-3		A. Fürstner CATALYSIS FOR TOTAL SYNTHESIS
12:15 - 13:00		Lunch
13:00 - 14:30		Sparkling Science Raiffeisen Hörsaal (HS 1)
13:00 - 14:30		Workshop Jobsuche Seminarraum K033C
15:00 - 15:30		Coffee Break, poster discussion

		Plenary Lecture Raiffeisen Hörsaal (HS 1)
16:30 PL-4		R. Huber “NOBELPREIS HAUTNAH”: FOUNDATION AND APPLICATION OF PROTEIN CRYSTALLOGRAPHY. HOW I BECAME A PROTEIN CRYSTALLOGRAPHER
18:00 - 19:00		Chemistry Awards & Anton Paar Science Award 2011 Raiffeisen Hörsaal (HS 1)
19:30		Conference Dinner Conferment of the Honorary Membership to Prof. Slavko Kaucic

Raiffeisen Hörsaal		Minisymposium Sustainable Chemistry
	10:00 MS-28	M.D. Mihovilovic SUSTAINABLE STRATEGIES IN MODERN SYNTHESIS
	10:30 MS-29	R. Krska ESTIMATION OF LEVELS OF EXPOSURE TO CHEMICAL CONTAMINANTS IN FOODS
	11:00	Coffee Break

Sparkassen Hörsaal		Minisymposium Sustainable Chemistry
	11:30 MS-30	W. Buchberger DETERMINATION OF PHARMACEUTICALS AND PERSONAL CARE PRODUCTS IN THE ENVIRONMENT
	11:50 MS-32	M. Srncik ²³⁶ U - A SURVEY FROM NATURAL TO ANTHROPOGENIC LEVELS

Sparkassen Hörsaal (HS 2)		Short Lectures Analytical Chemistry
	13:30 OP-24	A. Leitner PROBING THE PHOSPHOPROTEOME OF HELA CELLS USING NANOCAST METAL OXIDE MICROSPHERES FOR PHOSPHOPEPTIDE ENRICHMENT
	14:00 OP-25	G. Allmaier MASS SPECTROMETRIC ANALYSIS OF CROCINS – POTENTIAL ANTI-AMYLOID DISEASES STRUCTURES – ISOLATED FROM CROCUS CARTWRIGHTIANUS
	14:20 OP-26	A. Kubickova ON-LINE SOLID-PHASE DERIVATIZATION OF AMINO ACIDS IN HPLC
	14:40 OP-27	H. Stutz CHARACTERIZATION OF NITRATED ALLERGENS WITH CAPILLARY ELECTROPHORESIS STRATEGIES
	15:00	Coffee Break
	15:30 OP-28	A. Steck USE OF LC-SPE-NMR/MS FOR COMPLEX MIXTURE ANALYSIS

	15:50 OP-29	P. Tarkowski PROGRESS IN ANALYSIS OF PLANT HORMONES CYTOKININS
	16:10 OP-30	Ch.G. Huber RECENT DEVELOPMENTS IN TOP-DOWN CHARACTERIZATION OF INTACT PROTEINS

Raiffeisen Hörsaal (HS 1)		Minisymposium Chemistry after University
	14:35 MS-33	J. Werner INTELLECTUAL PROPERTY AND SOCIETY
	15:00	Coffee Break
	15:30 MS-34	H. Harms CHEMISTRY RELATED JOBS: STUDENT'S EFFORTS, EMPLOYER'S PERSPECTIVES AND PROFESSIONAL'S EXPERIENCES
	15:45 MS-35	A. Pfaffenbauer DSM - BRIGHT SCIENCE. BRIGHTER LIVING. WHAT'S IN FOR YOU
	16:15 MS-36	H. Schleifer MYGÖCH – THE YOUNG CHEMIST NETWORK OF GÖCH: LESSONS LEARNED – GOALS ACHIEVED - PERSPECTIVES FOR THE FUTURE

Hörsaal 4		Short Lectures Electrochemistry
	10:00 OP-8	T. Nagy LASER-PULSE-INDUCED IN-SITU DIAGNOSTICS OF PROCESSES AT SOLID- FLUID INTERFACES
	10:20 OP-9	S. Schutting DEVELOPMENT OF ZINC-ELECTRODES FOR RECHARGEABLE ZINC-AIR BATTERIES
	10:40 OP-10	V. Vyskočil NOVEL ELECTRODE MATERIALS FOR ORGANIC ELECTROANALYSIS

Hörsaal 4		Short Lectures Inorganic Chemistry
	13:00 OP-31	R.J.F. Berger SOLID STATE AND GAS-PHASE STRUCTURE INVESTIGATIONS ON DIMERIC COINAGE-METAL DIMETHYL- METHYLEN PHOSPHORANE
	13:20 OP-32	K. Kirchner REACTIVITY OF COORDINATIVELY UNSATURATED IRON COMPLEXES TOWARDS CARBON MONOXIDE: TO BIND OR NOT TO BIND?
	13:40 OP-33	U. Monkowius SILVER(I), GOLD(I) AND GOLD(III) COMPLEXES BEARING FUNCTIONALIZED AND NON-FUNCTIONALIZED N- HETEROCYCLIC CARBENES: SYNTHESIS, CRYSTAL STRUCTURES & PHOTOCHEMISTRY
	14:00 OP-34	G. Nuss TRIS(PYRIDAZINETHIONYL)BORATES: NOVEL SCORPIONATE LIGANDS AND COMPLEXES
	14:20 OP-35	A. Orthaber GOLD NANOPARTICLES WITH UNSATURATED PHOSPHANE LIGANDS PREPARATION, STUDIES, AND DIFFICULTIES
	15:00	Coffee Break
	15:30 OP-36	G.E. Büchel ON THE WAY TO OSMIUM ANALOGUES OF KP1019: SYNTHESIS, STRUCTURE, SPECTROSCOPIC PROPERTIES AND ANTIPROLIFERATIVE ACTIVITY OF trans- [Os ^{IV} Cl ₄ (Hazole) ₂]
	15:50 OP-37	J.A. Schachner BISOXOMOLYBDENUM(VI) COMPLEXES WITH PYRAZOLE BASED ARYLOXIDE LIGANDS: APPLICATION IN EPOXIDATION OF OLEFINS

	16:10 OP-38	M. Abbas HIGHLY OPTIMIZED CATALYST LOADINGS IN CROSS METATHESIS OF DIFFERENT OLEFINS WITH ETHYL ACRYLATE
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		Short Lectures Materials Chemistry
Hörsaal 5	10:00 OP-39	M. Drabik THE CHEMISTRY & CHALLENGE OF MDF MATERIALS
	10:20 OP-40	G.J. Lichtenegger DEVELOPMENT OF STRUCTURED MULTIFUNCTIONAL SILICON SURFACES FOR HETEROGENEOUS ORGANOMETALLIC CATALYSIS
	10:40 OP-41	A. Feinle APPLICATION OF TAILOR-MADE SOL-GEL PRECURSORS FOR MESOPOROUS EUROPIUM(III) DOPED SILICA COATINGS AS EFFICIENT LUMINESCENCE MATERIALS

		Short Lectures Physical Chemistry
Hörsaal 6	10:00 OP-52	H. Gamsjäger THERMODYNAMIC ANALYSIS OF SOLUBILITY DATA: PHASE DIAGRAMS OF SYSTEMS SALT HYDRATE + WATER
	10:20 OP-53	P. Waldner THERMODYNAMIC MODELING OF THE Cr-Fe-S SYSTEM
	10:40 OP-54	P.H. Handle STRUCTURAL RELAXATION TIMES IN HIGH-DENSITY AMORPHOUS ICE
	13:00 OP-55	K.J.J. Mayrhofer ACTIVITY AND STABILITY OF Pt-ALLOY NANOPARTICLES FOR FUEL CELL REACTIONS
	13:30 OP-56	G. Findenig EXTENDING THE APPLICATION RANGE OF BIOPOLYMERS BY FUNCTIONAL POLYELECTROLYTE-CLAY COATINGS

13:50 OP-57	R. Kargl ADSORPTION OF CARBOXYMETHYL CELLULOSE ON DIFFERENT POLYMERIC SURFACES: INFLUENCE OF SURFACE COMPOSITION AND WETTABILITY
14:10 OP-58	K. Föttinger IN SITU CHARACTERIZATION OF STRUCTURE AND REACTIVITY OF OXIDE SUPPORTED PdZn AND PdGa NANOPARTICLES
14:30 OP-59	S. Eisenhaber MEAN SPAN DIMENSIONS OF STAR- BRANCHED POLYMERS
15:00	Coffee Break
15:30 OP-60	Z. Barbieriková DETECTION OF PHOTOINDUCED SINGLET OXYGEN GENERATION IN TITANIUM DIOXIDE SUSPENSIONS BY EPR SPECTROSCOPY
15:50 OP-61	K. Rasmussen ESR STUDIES OF SPACE-GRADE POLYMERS
16:10 OP-62	N. Müller NUCLEAR SPIN NOISE SPECTROSCOPY: FROM FUNDAMENTAL PRINCIPLES TO OPTIMIZING NMR SENSITIVITY

Hörsaal 7		Short Lectures Organic Chemistry
	13:00 OP-15	R. Fürst TOWARDS THE FIRST TOTAL SYNTHESIS OF PL-4
	13:20 OP-16	M. Cziferszky A SUPRAMOLECULAR CHEMICAL LIGATION APPROACH TO STUDY AMYLOID OLIGOMERS
	13:40 OP-17	P. Malova CONFIGURATIONAL STABILITY OF CHIRAL METHYLPALLADIUM COMPLEXES AS INTERMEDIATES OF COUPLING REACTIONS
	14:00 OP-18	K. Kranjc APPLICATION OF 2H-PYRAN-2-ONES AND THEIR DERIVATIVES IN CYCLOADDITIONS: REGIO- AND STEREOSELECTIVITY
	14:20 OP-19	T. Glasnov FLOW CHEMISTRY IN HIGH-TEMPERATURE/PRESSURE PROCESS WINDOWS
	14:40 OP-20	M. Fischer SYNTHESIS AND APPLICATION OF 3-FLUORO-1-HYDROXYACETONE PHOSPHATE IN RABBIT MUSCLE ALDOLASE CATALYZED ALDOL REACTIONS
	15:00	Coffee Break
	15:30 OP-21	M. Ruetz CHEMICAL GYMNASTICS WITH VITAMIN B ₁₂
	15:50 OP-22	M. Scherl THE AUTUMNAL FADING OF CHLOROPHYLL IN LEAVES OF THE ELM TREE (ULMUS GLABRA)
16:10 OP-23	Th. Werzer ELECTROCHEMICAL CONTROL OF SURFACE LAYER PROTEINS	

K033C		Workshop Jobsuche
	13:00 MS-37	C. Berer JOBSUCHE – BEWERBUNG – BERUFSEINSTIEG

		Wednesday, September 28, 2011
	08:45 - 09:45	Opening APST2 & Plenary Lecture Raiffeisen Hörsaal (HS 1)
	PL-5	L. Emsley VISUALISING MODERN MATERIALS BY NMR: FROM MACROMOLECULAR STRUCTURE AND DYNAMICS TO CATALYTIC SURFACES
		Invited Lecture Raiffeisen Hörsaal (HS 1)
	10:00 IL-1	N. Hüsing HIGHLY POROUS NANOARCHITECTURES: SYNTHESIS – PROPERTIES – APPLICATIONS
	10:00 - 17:30	Mini Symposia <ul style="list-style-type: none"> • Physical Chemistry • Vergessene Leistungen österreichischer Chemiker • NMR • Medicinal Chemistry
	10:00 - 17:20	Short Lectures <ul style="list-style-type: none"> • Materials Chemistry • Polymer Chemistry • Engineering and Microwave Chemistry
	11:00 - 11:30	Coffee Break, poster discussion
		Plenary Lecture Raiffeisen-Hörsaal
	11:30 PL-6	A.W. Hassel THE SCANNING DROPLET CELL - FROM ELECTROCHEMICAL MICROSCOPY TO HIGH THROUGHPUT SCREENING OF NEW MATERIALS
	12:30 - 13:15	Lunch

		Invited Lecture Hörsaal 7
	13:30 IL-2	K. Breuker EVEN-ELECTRON AND RADICAL ION UNIMOLECULAR DISSOCIATION FOR DETAILED CHARACTERIZATION OF PROTEINS AND RNA BY TOP-DOWN MASS SPECTROMETRY
	15:15 - 16:00	Coffee Break, poster discussion
	19:00	Convivial Evening at „Josef Linz“

Hörsaal 3		Minisymposium Current Trends in Physical Chemistry
	10:00 MS-38	A.K. Opitz ELECTRODES IN SOLID OXIDE FUEL CELLS: REACTION PATHWAYS OF OXYGEN REDUCTION
	10:20 MS-39	W. Sitte OXYGEN REDUCTION REACTION AT SOLID OXIDE FUEL CELL CATHODES IN DRY AND WET ATMOSPHERES
	10:40 MS-40	B. Klötzer THE ROLE OF WATER-ACTIVATING SITES IN HYDROGEN PRODUCTION BY METHANOL REFORMING
	11:00	Coffee Break
	11:30 MS-41	S. Landgraf MAGNETIC FIELD EFFECTS IN CHEMISTRY: HOW DOES A MAGNETIC FIELD INFLUENCE CHEMICAL REACTIONS
	11:50 MS-42	S. Hild STUDY POLYMER PROPERTIES ON THE MICROSCOPIC SCALE: SCANNING FORCE MICROSCOPY BEYOND IMAGING
12:10 MS-43	P. Rogl THERMOELECTRIC MATERIALS FOR ENERGY CONVERSION	

Hörsaal 4		Minisymposium Vergessene Leistungen Österreichischer Chemiker
	10:00 MS-44	R.W. Soukup FORGOTTEN ACHIEVEMENTS OF AUSTRIAN CHEMISTS. THE DISCOVERY OF THE ACTIVATED COMPLEX BY LEOPOLD PFAUNDLER
	10:20 MS-45	R. Rosner ACHIEVEMENTS OF AUSTRIAN CHEMISTS, WHO WERE FORCED TO LEAVE AUSTRIA IN 1938

	10:40 MS-46	C.R. Noe 150 th ANNIVERSARY OF ONE OF THE GREATEST VISIONS IN CHEMISTRY - JOSEF LOSCHMIDT'S STRUCTURAL FORMULAE
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Hörsaal 4		Short Lectures Engineering and Microwave Chemistry
	11:30 OP-63	S. Braune AN INTENSIFIED PROCESS FOR THE SELECTIVE FORMATION OF NITRATE ESTERS ON MULTI TON SCALE
	11:50 OP-64	M. Damm HIGH-THROUGHPUT MICROWAVE CHEMISTRY IN SILICON CARBIDE MICROTITER PLATES
	12:10 OP-65	W. Lautenschläger NEW DIGESTION METHODS FOR FAST AND RELIABLE ELEMENT ANALYSIS WITH SENSITIVE SPECTROMETRIC METHODS (AA, ICP/OES, ICP/MS)

Hörsaal 4		Short Lectures Materials Chemistry
	13:15 OP-42	S. Barth GROWTH OF GERMANIUM NANOWIRES BY SOLID-PHASE SEEDING: OPPORTUNITIES AND LIMITATIONS
	13:35 OP-43	M.C.J. Marker A CHARACTERIZATION OF THE MULTICOMPONENT SYSTEMS Al-Fe-Si AND Al-Fe-Si-Ti
	13:55 OP-44	Th. Bielz A STUDY OF THE PHASE TRANSFORMATION OF HEXAGONAL TO TETRAGONAL GeO ₂
	14:15 OP-45	I. Jandl INCONGRUENT, TIME-DEPENDENT CHEMICAL VAPOUR TRANSPORT IN THE SYSTEM Cr-Ge-Si

14:35 OP-46	P. Herzig FIRST-PRINCIPLES INVESTIGATIONS OF VARIOUS RARE-EARTH-METAL- HYDROGEN SYSTEMS
14:55 OP-47	G. Trimmel PREPARATION OF METAL-SULFIDE – POLYMER NANOCOMPOSITES FOR PHOTOVOLTAIC APPLICATIONS
15:15	Coffee Break
16:00 OP-48	M. Litschauer POROUS TITANIA NANOPARTICLE NETWORKS CONNECTED THROUGH IONIC LINKERS
16:20 OP-49	A. Haghofner OXIDE-SUPPORTED Pd-Ga NANOPARTICLES IN METHANOL STEAM REFORMING: AN IN SITU SPECTROSCOPIC STUDY
16:40 OP-50	A. Sternig SURFACE FUNCTIONALIZATION OF MAGNESIUM OXIDE NANOCUBES: MODEL SYSTEM AND OPTICAL MATERIAL
17:00 OP-51	S. Buhr SELECTIVE ETHENE OXIDATION ON Pd- VANADIA AND Pd-NIOBIA CATALYSTS BASED ON HYDROTALCITES

Hörsaal 5		Short Lectures Polymer Chemistry
	10:00 OP-66	I. Teasdale POLYPHOSPHAZENES AS MACROMOLECULAR DRUG CARRIERS
	10:20 OP-67	F. Wiesbrock MICROWAVE-ASSISTED FABRICATION OF NOVEL POLYMER CONTACT BIOCIDES
	10:40 OP-68	S. Feldbacher FUNCTIONAL POLYMERIC MATERIALS FOR FABRICATION OF 3D OPTICAL WAVEGUIDES
	14:00 OP-69	D.A.M. Egbe ANTHRACENE BASED CONJUGATED POLYMERS: IMPROVEMENT OF HOLE MOBILITY AND PHOTOVOLTAIC PERFORMANCE THROUGH RANDOM DISTRIBUTION OF LINEAR AND BRANCHED SIDE CHAINS
	14:20 OP-70	S.V. Radl TUNING OF THE CONDUCTIVITY OF POLYMERIC MATERIALS VIA UV TECHNIQUES
	14:40 OP-71	W. Fürst NOVEL AQUEOUS PREPARATION METHODS FOR HIGHLY SELECTIVE IONIC LIQUID IMPRINTED POLYMERS FOR SUPPORTED IONIC LIQUID PHASE CATALYSIS
	15:00 OP-72	H. Horacek INTUMESCENT POWDER COATINGS
	15:15	Coffee Break
	16:00 OP-73	M.M. Nardai PROPERTIES OF COPOLYMERS IN SOLUTION AND MELT
16:20 OP-74	A.M. Kelly SWELLING DEGREES AND STIMULI- RESPONSIVE DEGRADATION OF POLY(2- OXAZOLINE)-BASED HYDROGELS	
16:40 OP-75	M.R. Kulterer TAILORED DESIGNED POLYSACCHARIDE COMPOSITE NANOPARTICLES	

Hörsaal 6		Minisymposium NMR
	14:15 MS-47	J. Brus STRUCTURE AND SEGMENTAL DYNAMICS IN POLYMER NANOCOMPOSITES AS SEEN BY SOLID-STATE NMR
	14:45 MS-48	M. Parkinson ADVANCES IN NMR SPECTROSCOPY FOR THE CHARACTERISATION OF POLYETHYLENES PRODUCED BY THE HIGH-PRESSURE PROCESS
	15:00 MS-49	G. Zuckerstätter ADVANCES IN CELLULOSE SOLID-STATE NMR SPECTROSCOPY
	15:15	Coffee Break
	16:00 MS-50	J. Schlagnitweit MULTIPLEX QUADRATURE DETECTION IN MULTIDIMENSIONAL NMR
	16:15 MS-51	Ch. Kreutz DYNAMICS OF NUCLEIC ACIDS BY NMR
	16:30 MS-52	E. Schrank NMR STUDIES ON A 32 kDa BACTERIAL MEMBRANE-BOUND TRANSCRIPTION ACTIVATOR BY SOLUTION NMR
	16:45 MS-53	G. Platzer THE METASTASIS-ASSOCIATED EXTRACELLULAR MATRIX PROTEIN OSTEOPONTIN DISPLAYS TRANSIENT STRUCTURE FORMATION IN LIGAND INTERACTION SITES
	17:00 MS-54	H. Kogler FROM SPIN TOPOLOGIES TO CHEMICAL TOPOLOGIES - THE STRUCTURE ELUCIDATION AND STEREOCHEMISTRY OF NANNOCYSTIN

Hörsaal 7		Minisymposium Medicinal Chemistry
	14:15 MS-55	R. Breinbauer SYNTHESIS OF TOOL COMPOUNDS FOR CHEMICAL BIOLOGY
	14:45 MS-56	A. Kurzwernhart Ru ^{II} (ARENE)-FLAVONOID COMPLEXES AS MULTI-TARGETED ANTICANCER COMPOUNDS
	15:00 MS-57	M. Schnürch HETEROCYCLIC COMPOUNDS CAN AFFECT CELL DIFFERENTIATION - PYRIMIDINEAMINES INDUCING CARDIOMYOGENESIS
	15:15	Coffee Break
	16:00 MS-58	W. Schmid NEW TOOLS FOR APPLICATIONS IN MEDICINAL CHEMISTRY
	16:30 MS-59	W. Kautek FEMTOSECOND LASER INTERACTION WITH CORNEA AND DERMAL TISSUES
	16:45 MS-60	W. Schoefberger SYNTHESIS OF ASYMMETRICALLY SUBSTITUTED PORPHYRINS AND CORROLES TO INHIBIT TUMOR PROLIFERATION IN SMALL INTESTINAL NEUROENDOCRINE TUMORS AND MEDULLARY THYROID CARCINOMAS
17:00 MS-61	R. Gust SYNTHESIS AND INVESTIGATION ON THE ESTROGEN RECEPTOR ALPHA SELECTIVITY OF 2,3,5-TRIARYL-1H- PYRROLES	

		Thursday, September 29, 2011
Sparkassen Hörsaal (HS 2)	08:30 - 17:30	Excursions
		<ul style="list-style-type: none"> • Excursion A - Voestalpine • Excursion B - Chemiepark Linz Departure: 08:30 Arrival: 17:00-17:30
		Minisymposium Verband der Chemielehrer Österreichs
	09:00	Workshop
	12:15	Lunch Break
	13:30 MS-62	G. Gmeiner DOPING DETECTION AND ITS CONSEQUENCES
	15:00	Coffee Break
	15:15 MS-63	H. Zechmann SPEZIALERNÄHRUNG AN DER GRENZE ZU DOPING (ERNÄHRUNG FÜR SPORTLICHE (HÖCHST-)LEISTUNGEN

Posters

Analytical Chemistry	
PO-1	S. Beißmann INVESTIGATIONS ON ION SUPPRESSION EFFECTS IN HPLC/DART-MS
PO-2	K. Benikova POSSIBILITY OF KOMPLEX ELECTROCHEMICAL DETECTION OF STRUCTURAL DNA DAMAGE IN THE PRESENCE OF INTERCALATOR THIORIDAZINE
PO-3	U. Bohrn GAS DETECTION USING A WHOLE-CELL BASED SENSOR SYSTEM
PO-4	D. Deýlová VOLTAMMETRIC DETERMINATION OF 5-NITROBENZIMIDAZOLE AT A BISMUTH FILM ELECTRODE
PO-5	V. Dullnig REFERENCE METHOD FOR THE QUANTIFICATION OF TROPONIN I A CARDIAC BIOMARKER USING MICRO-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND TRIPLE STAGE QUADRUPLE MASS SPECTROMETRY
PO-6	B. Ganisl TOP DOWN MASS SPECTROMETRY FOR CHARACTERIZATION OF PTMS
PO-7	M. Glatz DETERMINATION OF METAL IMPURITIES IN PHARMACEUTICALS WITH ICPMS
PO-8	S. Gusenkov PROFILING OF NITRATED BIRCH POLLEN ALLERGENS BY CAPILLARY ELECTROPHORESIS
PO-9	L. Hartmanova ANALYSIS OF MUSCIMOL BY DESORPTION NANO-ELECTROSPRAY IONIZATION
PO-10	J. Hraníček ELECTROCHEMICAL GENERATION OF VOLATILE FORM OF GOLD IN ATOMIC ABSORPTION SPECTROMETRY

PO-11	S. Krist CHARACTERISATION OF SHEA BUTTER BY MEANS OF SPME-GC-MS, MALDI-TOF-MS AND MULTIVARIATE DATA ANALYSIS
PO-12	T. Krizek ELECTROPHORETICAL SEPARATION OF N-ACETYLAMINO SACCHARIDES FOR ENZYME KINETICS STUDIES
PO-13	M. Kröppl EXTRACTION OF HEAVY METALS FROM BIOMASS FLY ASHES UNDER ACID CONDITIONS
PO-14	A. Orthaber DATABASE SUPPORTED EFFICIENT IDENTIFICATION OF FLAVONOIDS AND THEIR GLYCOSIDES VIA OFF-LINE COMBINATION OF NMR AND HPLC
PO-15	J. Petrovaj LC ENANTIOSEPARATION OF NEW INDOLE PHYTOALEXINS
PO-16	J. Petrovaj STEREOSELECTIVE HPLC ANALYSIS OF THYROXINE ENANTIOMERS IN PHARMACEUTICALS
PO-17	I. Petrovická ANALYSIS OF ORGANIC AND CONVENTIONAL VEGETABLE
PO-18	K. Slovakova DESORPTION AND IONIZATION OF POLYACRYLIC ACID BY NANODESI
PO-19	O. Steiner ARSENIC SPECIATION IN THE WILD MUSHROOM RUSSULA PUMILA USING HPLC-ICPMS AND HPLC-ESIMS COUPLING
PO-20	M. Stifinger QUANTITATIVE PROFILING OF STABILIZERS IN POLYMERS BY HPLC-UV ANALYSIS OF MICROTOME CUTS
PO-21	M. Stifinger IDENTIFICATION OF HINDERED AMINE LIGHT STABILIZERS IN PLASTIC MATERIALS BY DIRECT MASS SPECTROMETRY

PO-22	M. Taucher TOP-DOWN MS FOR CHARACTERIZATION OF RNA MODIFICATIONS
PO-23	M. Zeiner ICP-AES DETERMINATION OF MINOR- AND MAJOR ELEMENTS IN VARIOUS BERRIES AFTER MICROWAVE ASSISTED DIGESTION
Biochemistry	
PO-24	A. Leitner STRUCTURE ELUCIDATION OF PROTEIN COMPLEXES BY CHEMICAL CROSS-LINKING/MASS SPECTROMETRY
PO-25	V.E. Reichel ANTIMICROBIAL TESTS FOR POLYSACCHARIDE MODEL SURFACES
PO-26	H. Schleifer PYRAZOLE DERIVED CALCIUM CHANNEL INHIBITORS
Biotechnology	
PO-27	L. Babák BIODEGRADATION OF WHEY BY LACTOBACILLUS CASEI ASSOCIATED WITH PRODUCTION SELECTED METABOLITES
PO-28	M. Zichová THE ENZYMATIC HYDROLYSIS OF WASTE PAPER
PO-29	P. Šupinová MATHEMATICAL MODELING OF THE GROWTH CURVE OF THERMOPHILIC MICROORGANISMS
Chemical Education	
PO-30	L. Höhn INDIGO AND CREATIVITY
Electrochemistry	
PO-31	Q. Abbas PHYSICOCHEMICAL INVESTIGATION OF CHOLINE CHLORIDE BASED BINARY MIXTURES
PO-32	L. Bandžuchová VOLTAMMETRIC BEHAVIOR OF FOLIC ACID, LEUCOVORIN AND METHOTREXATE ON SILVER SOLID AMALGAM ELECTRODE

PO-33	A. Danhel SURFACE MORPHOLOGY AND QUALITIES OF CRYSTALLIC AMALGAM
PO-34	S. Huber INVESTIGATION OF ION TRANSPORT IN Fe-DOPED SrTiO ₃ THIN FILMS
PO-35	S. Kogler PEROVSKITE-TYPE ELECTRODES ON ZIRCONIA ELECTROLYTES IN O ₂ AND H ₂ ATMOSPHERE: A COMPARISON OF ELECTROCHEMICAL KINETICS
PO-36	K. Luspai REDOX REACTIONS OF M(II) COMPLEXES WITH A TETRADENTATE LIGAND BASED ON S-METHYLISOTHIOSEMICARBAZIDE (CYCLIC VOLTAMMETRY, EPR AND UV-VIS-NIR STUDIES)
PO-37	V. Mansfeldova EXPERIMENTAL CELL ARRANGEMENT FOR MULTICOMPONENT ANALYSIS ON SOLID ELECTRODES
PO-38	L. Nemcova VOLTAMMETRIC DETERMINATION OF 5-AMINO-6-NITROQUINOLINE AT A CARBON FIBER ROD ELECTRODE
PO-39	M.T. Soomro APPLICATION OF CYCLIC VOLTAMMETRY AND PHASE SELECTIVE SECOND HARMONIC AC VOLTAMMETRY TO TOTALLY IRREVERSIBLE ELECTROCHEMICAL SYSTEMS
PO-40	G. Wolf THE ELECTRODEPOSITION OF STRUCTURED HARD CHROMIUM VIA TWO MORPHOLOGIES
PO-41	Ch. Zelger THE ELECTROCHEMICAL BEHAVIOUR OF K ₂ ReCl ₆ IN IONIC LIQUIDS
PO-42	B. Šustrová THE ELECTROCHEMICAL BEHAVIOUR OF GOLD (111) ELECTRODE MODIFIED BY THIOLS

Chemical Engineering	
PO-43	G. Lichtenegger API-CRYSTALLIZATION IN A CONTINUOUS-FLOW DEVICE
PO-44	R. Obermüller THERMAL PROCESS-SAFETY FOR THE SYNTHESIS OF 4-CHLORO-2,3-DIMETHYLPYRIDINE-N-OXIDE
Inorganic Chemistry	
PO-45	Ch. Artner NEW MIXED METAL OXO-CLUSTERS WITH ZIRCONIUM(IV)
PO-46	B. Bichler LIGAND DYNAMICS OF ALLYL PALLADIUM COMPLEXES CONTAINING HEMILABILE LIGANDS
PO-47	M. Czakler NEW ZIRCONIUM(IV) OXO CLUSTERS
PO-48	U. Gross SYNTHESIS OF HETEROCYCLIC SILICON BASED PUSH-PULL SYSTEMS
PO-49	B.N. Harum SUBSTITUTED THIOPHENOLS AS LIGANDS IN OAT REACTIONS
PO-50	B. Hasken FUNCTIONALISATION OF A BICYCLO-[2.2.2]-OCTASILANE FOR ELECTRON-TRANSFER INVESTIGATIONS
PO-51	Ch. Hirtenlehner Au(I) AND Au(III) COMPLEXES BEARING N-HETEROCYCLIC CARBENES: SYNTHESIS, CRYSTAL STRUCTURES & PHOTOCHEMISTRY
PO-52	Ch. Holzhaecker REVERSIBLE ADDITION OF CO TO UNSATURATED HIGH SPIN IRON(II) COMPLEXES
PO-53	N. Hurkes AMPHIPHILIC COMPOUNDS OF GROUP IV ELEMENTS – SYNTHESIS, PROPERTIES AND APPLICATIONS
PO-54	M.E. Judmaier MOLYBDENUM (VI) DIOXO COMPOUNDS IN OAT REACTIONS

PO-55	Th. Kern SILADERIVATIVES OF BICYCLOHEXYL
PO-56	M. Kriechbaum SYNTHESIS AND CHARACTERIZATION OF PHENANTHROLINE ANALOGUE N-HETEROCYCLIC CARBENES AS CHROMOPHORES IN TRANSITION METAL COMPLEXES
PO-57	M. König SUZUKI CROSS-COUPPLING REACTION OF COPPER trans-A ₂ B CORROLES
PO-58	S. Leitner SWITCH IT! – PHOTOCROMIC CARBENE LIGANDS
PO-59	J. Magura THIN FILMS OF MESOPOROUS SILICA DEPOSITED ON MACROPOROUS ALUMINA SUPPORT
PO-60	Ch. Maurer NEW PRE-ORGANIZED TITANIUM ALKOXIDE PRECURSORS
PO-61	S. Müller SYNTHESIS OF POLYHYDROXYCHALCONES AND THEIR METAL ION COMPLEXES
PO-62	K. Oppelt PHOTOREDUCTION OF WATER SOLUBLE TIN PORPHYRIN WITH SULFITE AS PART OF A CATALYTIC CYCLE
PO-63	F. Perdih INFLUENCE OF WEAK AND STRONG HYDROGEN-BONDING ON STRUCTURES OF ORGANOFLUOROTITANATES
PO-64	M. Rapp ENTWICKLUNG LEISTUNGSFÄHIGER ANODEN AUF BASIS HIERARCHISCH STRUKTURIERTER KOHLENSTOFFMATERIALIEN
PO-65	L.M. Reith PREPARATION AND CHARACTERIZATION OF A NEW BISMUTH CORROLE PHOTOSENSITZER

PO-66	J. Schoiber SYNTHESIS, CHARACTERIZATION & PHOTOCHEMISTRY OF CYCLOMETALATED GOLD (III)-COMPLEXES
PO-67	M. Schulz SELECTIVE PHOTOCHEMICAL HYDROXYLATION OF BENZENE TO PHENOL WITH POLYOXOMETALATES AND TRANSITION METAL CO-CATALYSTS
PO-68	M. Waitzinger SYNTHESE VON HIERARCHISCH STRUKTURIERTEM SILIZIUM
PO-69	Ö. Öztopcu TRI- AND TETRACOORDINATE COPPER(I) COMPLEXES BEARING BIDENTATE SOFT/HARD SN AND SeN LIGANDS
Materials Chemistry	
PO-70	S. Arif LASER CLEANING OF POLYMERIC MATERIALS
PO-71	S.O. Baumann HETEROAGGREGATION OF OPPOSITELY CHARGED CASSITERITE AND ANATASE NANOCRYSTALS: GENERATION OF FUNCTIONAL INTERFACES
PO-72	R. Bittner PHASE DIAGRAM OF ALUMINUM- GERMANIUM-TITANIUM
PO-73	A. Date SYNTHESIS OF NANOCOMPOSITES
PO-74	R. Deshmukh SYNTHESIS OF METAL NITRIDE AND SULPHIDE NANOPARTICLES IN SILICA (Mn/MS@SiO ₂ NANOCOMPOSITE) FROM ORGANICALLY MODIFIED SOL-GEL PRECURSORS
PO-75	V.A. Du NANOSTRUCTURED TRANSITION METAL SILICIDES

PO-76	S. Flaig STRUCTURE INVESTIGATION VIA IN-SITU SAXS MEASUREMENTS OF HIERARCHICALLY ORGANIZED SILICA/TITANIA MONOLITHS DERIVED FROM GLYCOL-MODIFIED PRECURSORS
PO-77	Th. Fröschl SYNTHESIS OF TITANIA AND MIXED OXIDE NANOPARTICLES FROM POLYOL-MODIFIED PRECURSORS
PO-78	S. Fürtauer INVESTIGATION OF THE PHASE RELATIONS IN Cu-Li-Sn AND THE BINARY CONSTITUENT SYSTEMS
PO-79	J. Geserick CLUSTER-MODIFIED POROUS SILICA: A NOVEL QUASI WATER-FREE ROUTE TOWARDS THIN FILMS AND POWDERS
PO-80	A.-C. Knall WATER VAPOUR SENSORS BASED ON Eu(III) COORDINATION COMPOUNDS
PO-81	M. List AUTOMATIC ANALYSIS OF PETROGRAPHIC PARAMETERS OF COKING COALS WITH IMAGE ANALYSIS
PO-82	Q. Liu SURFACTANT-TEMPLATED HYDROTHERMAL SYNTHESIS OF LiMnPO ₄
PO-83	I. Merschmann INFILTRATION OF MESOPOROUS SILICA HOSTS WITH MAGNESIUM
PO-84	S. Meyer MODIFIED POROUS SILICA: A NOVEL QUASI WATER-FREE ROUTE TOWARDS THIN FILMS AND POWDERS
PO-85	D. Rajamohan INVESTIGATION OF (Cu, Ni)-Sn-Zn PHASE RELATIONS FOR HIGH-TEMPERATURE LEAD-FREE SOLDERS
PO-86	Th. Rath SOLUTION BASED ROUTES TOWARDS COPPER ZINC TIN SULFIDE LAYERS FOR PHOTOVOLTAIC APPLICATIONS

PO-87	Th. Reichmann PHASE RELATIONS IN Al-Ge-Ni: A SYSTEM RELEVANT FOR BRAZING OF NICKEL ALUMINIDES
PO-88	O.Y. Saribiyik SYNTHESIS AND CHARACTERIZATION OF Pd LOADED HYDROTALCITES
PO-89	J. Yang DESIGN & SYNTHESIS OF SINGLE-SOURCE HETEROMETALLIC (Zn-Ti) PRECURSORS
PO-90	N. Siedl FROM SYNTHESIS TO AGING OF NANOPARTICLES: THE INFLUENCE OF PROCESSING PARAMETERS ON THE PHOTOELECTRONIC PROPERTIES OF INDIUM TIN OXIDE NANOPARTICLES
PO-91	B. Skolyszewska-Kühberger INVESTIGATION IN THE Nd-Cd PHASE DIAGRAM
PO-92	C. Triantafillidis APPLICATION OF HIGH INTERNAL PHASE EMULSIONS IN SILICA BASED SOL-GEL SCIENCE
PO-93	M. Wassner THE SYNTHESIS OF NITROGEN- AND CARBON DOPED TANTALUM OXIDE WITH LOW PLATINUM LOAD AS FUEL CELL CATALYST
PO-94	K. Werner PROCESSING OF TITANIUM ALKOXIDES/GLYCOLATES IN AQUEOUS CONDITIONS: INFLUENCE OF THE PRECURSOR CHEMISTRY ON THE TiO ₂ -PRODUCT
Theoretical Chemistry	
PO-95	G.N. Stipicic ²⁹ Si NMR SHIELDING CALCULATIONS FOR HYPERVALENT SILICON COMPOUNDS
Medicinal Chemistry	
PO-96	M. Amring TRANSLATIONAL CONTROL OF DISEASE GENES IN EPIDERMOLYSIS BULLOSA

PO-97	T. Angerer RIBOSOMAL PROTEIN TRANSLATIONALLY EFFECT CELLULAR AGING
PO-98	L.K. Filak METAL-BASED PAULLONES AND INDOLOQUINOLINES AS POTENTIAL ANTICANCER THERAPEUTICS
PO-99	A. Hummer X-RAY ABSORPTION SPECTROSCOPY ON TUMOR INHIBITING METAL COMPLEXES
PO-100	W. Kandioller (THIO)PYR(ID)ONES AND METALS: FROM NATURAL PRODUCTS TO METAL-BASED DRUGS
PO-101	G. Karabanovich SYNTHESIS OF POTENTIAL ANTITUBERCULOTICS BASED ON NITROGEN HETEROCYCLES
PO-102	S.M. Meier BIOMOLECULE BINDING VS. ANTICANCER ACTIVITY: REACTIONS OF ORGANOMETALLIC RUTHENIUM(II) ARENE METALLODRUGS WITH AMINO ACIDS AND PROTEINS
PO-103	M.D. Mihovilovic SYNTHESIS OF THIAZOLE BASED ACCELERATORS OF SKELETAL MUSCLE CELL FORMATION USING METAL ASSISTED METHODS
PO-104	V. Pivodova EFFECT OF SILVER ON HUMAN EPIDERMAL KERATINOCYTES
PO-105	M.F. Primik STRUCTURE-ACTIVITY RELATIONSHIPS OF HIGHLY CYTOTOXIC COPPER(II) COMPLEXES WITH MODIFIED INDOLO[3,2-d]BENZAZEPINE AND INDOLO[3,2-c]QUINOLINE LIGANDS
Mini Symposium Chemistry in Art and Cultural Heritage	
PO-106	P. Aduatz ALUMINIUM FOAM AS MATERIAL FOR DESIGNERS AND ARCHITECTS

PO-107	C. Breckler THE "CORAL CRÈCHE" FROM KLOSTERNEUBURG ABBEY
PO-108	M. Ciglanská DEGRADATION OF DOCUMENTS CAUSED BY IRON-GALL INKS
PO-109	M. De Bardi CORROSION OF POTASH-LIME-SILICA GLASS STUDIED BY INFRARED SPECTROSCOPY
PO-110	L. Gál USING NIR FIBER OPTICS REFLECTANCE SPECTROSCOPY FOR IDENTIFICATION IRON-GALL INKS IN HISTORICAL DRAWINGS
PO-111	Ch. Kurta PROVENANCING OF ARTEFACTS: PREHISTORIC STYRIAN SILEX SAMPLES ANALYSED BY LA-ICPMS AND ICPMS
PO-112	A. Peller EFFECT OF PRINTING INKS ON THE LIFETIME OF WHATMAN PAPER UNDER DIFFERENT AGING CONDITIONS STUDIED BY THE SIMULTANEOUS THERMAL ANALYSIS
PO-113	V. Pintus EVALUATION OF LIGHTFASTNESS STABILITY OF COMMERCIAL ACRYLIC PAINTS
PO-114	W. Vetter REVEALING THE COLOR PALETTE OF AUSTRIAN 19 th CENTURY WATERCOLOR PAINTERS - A NON-DESTRUCTIVE APPROACH BY USE OF COMPLEMENTARY FTIR-, UV/VIS/NIR- AND XRF- SPECTROSCOPY
PO-115	S. Wei THE IDENTIFICATION OF NATURAL AND SYNTHETIC MATERIALS IN ARTWORKS BY GC/MS AND Py-GC/MS

Mini Symposium
Intelligent Utilization of Renewables

PO-116	D.J. Mozdyniewicz CARBOHYDRATE REACTION KINETICS DURING ALKALINE STEEPING OF DISSOLVING PULP
Organic Chemistry	
PO-117	A. Čablová DICATIONIC 1- ADAMANTYLMETHYLIMIDAZOLIUM- BASED DUMBELL-LIKE LIGANDS FOR HOST-GUEST SYSTEMS
PO-118	J. Černočová PREPARATION OF LABELLED 3-(1- ADAMANTYL)-6-METHYL-3-(3- METHYLBENZYL)[¹⁸ O]ISOCHROMAN-1-ONE
PO-119	Ch. Aichinger RECENT PROGRESS TOWARDS EUPHOSALICIN
PO-120	I.M. Apeland STEREOSELECTIVITY OF FOILED CARBENES IN INTERMOLECULAR REACTIONS
PO-121	Ch. Dank TOWARDS THE TOTAL SYNTHESIS OF EUPHOSALICIN: SYNTHESIS OF THE IMPORTANT 5-MEMBERED RING FRAGMENT
PO-122	K. Gratzner TARTARIC ACID DERIVED CHIRAL SPIRO AMMONIUM SALTS FOR THE STEREOSELECTIVE α -ALKYLATION OF AMINO ACIDS
PO-123	Ch. Grimmer SYNTHESIS OF N-(DANSYLAMINO)HEXYL- AMINOCARBONYLPENTYL-1,5-DIDEOXY- 1,5-IMINO-L-IDITOL
PO-124	M. Hajimohammadi PHOTOOXIDATION OF OF ALDEHYDES TO CARBOXYLIC ACIDS WITH SINGLET OXYGEN IN THE PRESENCE OF ROBUST PORPHYRIN SENSITIZERS, AIR AND VISIBLE LIGHT OR SUNLIGHT

PO-125	R. Herchl EPOXIDE FORMATION USING STABILIZED AMMONIUM YLIDES
PO-126	M. Heschik PRODUCTION AND VINYLATION OF MONOMETHYLMELAMIN
PO-127	M. Hornicakova ASSIGNMENT, SECONDARY STRUCTURE AND INTERACTIONS OF PSBQ, A PROTEIN FROM PHOTOSYSTEM II
PO-128	J. Hölbling SYNTHESIS OF 5-HYDROXYMETHYLFURFURAL FROM CARBOHYDRATES
PO-129	M. Irrgeher HIGH TEMPERATURE ACETYLATION OF WOOD
PO-130	P. Kosmus SYNTHESIS OF 2,5-DIDEOXY-2,5-IMINO-D-HEXITOL DERIVATIVES: POTENTIAL INHIBITORS OF LYSOSOMAL α -GALACTOSIDASE?
PO-131	Z. Kozubková PREPARATION AND SPECTRAL PROPERTIES OF FLUORESCENT DYES BASED ON SUBSTITUTED 4-(1-ADAMANTYL)QUINOLINE
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Jörg Salchenegger

MEERWEIN ALKYLATION OF
EHRlich'S ALDEHYDE: A
COLOURFUL SURPRISE

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