



17. ÖSTERREICHISCHE CHEMIETAGE

17th Austrian Chemistry Days

**Joint Meeting of the
Swiss & Austrian
Chemical Societies**

September 25 – 28, 2017

UNIVERSITY OF SALZBURG



Program



SCS
Swiss Chemical
Society

Scientific Committee

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Stefan FELDERER	GÖCH Jungchemiker

The Conference Office

25.09.2017	10.30 – 17.30
26.09.2017	08.00 – 17.00
27.09.2017	08.30 – 16.00

Conference Office is on the ground floor of the main entrance of the University of Salzburg, NAWI, Hellbrunnerstraße 34, 5020 Salzburg

Exhibition opening hours:

25.09.2017	11.00 – 17.30
26.09.2017	08.00 – 17.00
27.09.2017	08.30 – 16.00

Oral and poster presentations

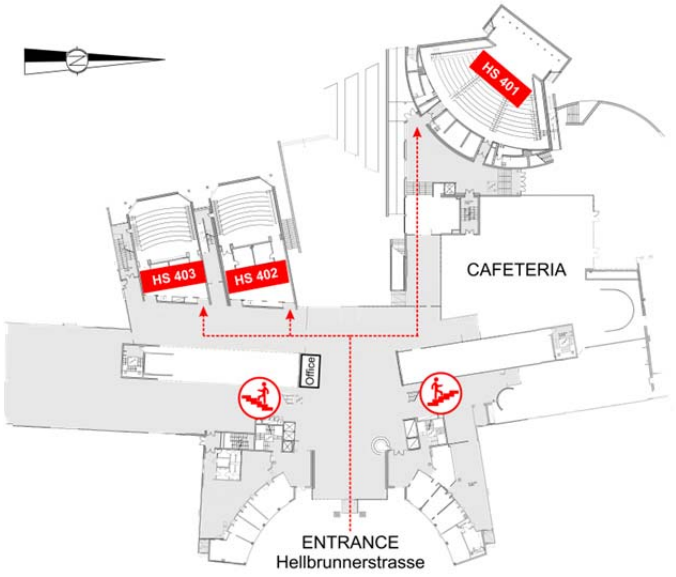
There is a time limit for oral presentations of 15 minutes plus 5 minutes for discussion. Oral presentations will be held in parallel sessions.

Generally 45 minutes will be allowed for plenary lectures.

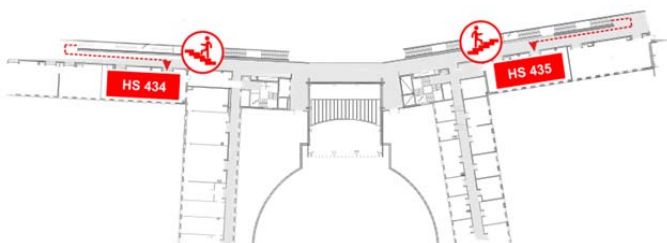
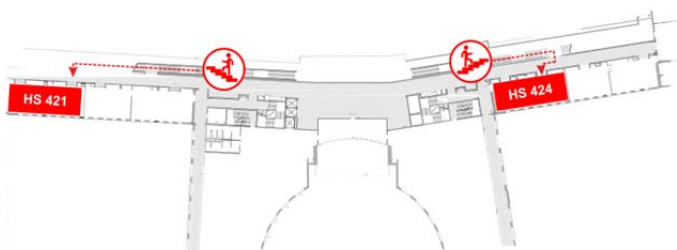
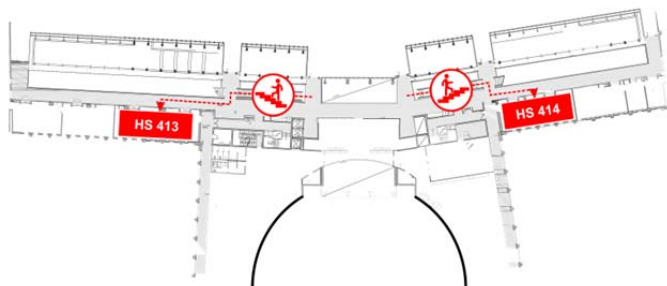
Beamer projection (Power Point) is provided. CDs and USB sticks are accepted.

Poster size is A1 (width 595 mm x height 841 mm) up to a maximum A0 format (width 84,1 cm x height 118,9 cm). Posters should be designed in portrait orientation. They will be presented from Monday afternoon to Wednesday afternoon.

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		Monday, September 25, 2017
	10:30	Conference office opens
	12:00 - 15:00	Minisymposia <ul style="list-style-type: none"> • Surface Chemistry and Catalysis • Modern Trends in Physical Chemistry • ASAC – Analytic Chemistry • Materials and Molecules in Nuclear Magnetic Resonance • Medicinal and Bioorganic Chemistry • Bio-based Industry - Spanning a bow from Microfluidics to Biotechnology
	12:00 - 15:00	Jungchemiker – Chemistry a_side HS 434
	15:00 - 15:30	Postersession, exhibition visit, coffee break
		Invited Lectures HS 403
	15:30 IL-1	M. Hall REDOX BIOCATALYSIS: FROM HUMANS TO THE TEST TUBE - AND BEYOND
	16:15 IL-2	A. Orthaber UNSATURATED ORGANOPNICTOGEN COMPOUNDS IN OPTO-ELECTRONIC MATERIALS - FROM LAB CURIOSITIES TO FUNDAMENTAL APPLICATIONS
	15:30 - 17:00	Minisymposia <ul style="list-style-type: none"> • Surface Chemistry and Catalysis • Modern Trends in Physical Chemistry • ASAC – Analytic Chemistry • Materials and Molecules in Nuclear Magnetic Resonance • Medicinal and Bioorganic Chemistry • Bio-based Industry - Spanning a bow from Microfluidics to Biotechnology
	15:30 - 17:00	Jungchemiker – Chemistry a_side HS 434

17:00 - 18:00	GÖCH General Assembly HS 403
18:00 - 19:00	Postersession
19:15	Get together - Welcome Party

HS 414	Mini Symposium ASAC - Analytical Chemistry Chair: Wolfgang Buchberger	
	12:30 MS-1	Ch. Huber ANALYTICAL METHOD DEVELOPMENT FOR LOW- AND HIGH-MOLECULAR PHARMACEUTICALS: TWO DIFFERENT WORLDS?
	13:10 MS-2	V. Neu METHODENÜBERGREIFENDE PROBLEMLÖSUNGEN IM KOMPETENZZENTRUM ANALYTIK DER BASF
	13:50 MS-3	C. Schwarzinger INVESTIGATION OF TURQUOISE IMITATIONS AND TREATMENTS WITH FTIR AND PYROLYSIS-GC-MS
	14:20 MS-4	JunganalytikerInnen Preis
	14:40 MS-5	Feigl-Preis 2017 V. Weiss GAS-PHASE ELECTROPHORESIS IN (BIO-) NANOPARTICLE RESEARCH
	15:10	Coffee break
	15:30	ASAC Hauptversammlung

HS 421	Mini Symposium - Materials and Molecules in Nuclear Magnetic Resonance Chair: Mario Schubert	
	12:00 MS-6	J. Plavec NMR STUDIES OF DNA STRUCTURES BEYOND DOUBLE-STRANDED HELIX
	12:30 MS-7	P. Rathner SOLUTION AND SOLID STATE NMR SPECTROSCOPY OF OLIGOMERIC STIM1 PROTEIN

13:00 MS-8	M. Kamenicky DRUG DISCOVERY FROM PROTEIN- PROTEIN INTERACTIONS BY NMR
13:30 MS-9	W. Robien REMARKS ON THE QUALITY OF ¹³ C-NMR DATA PUBLISHED IN THE CHEMICAL LITERATURE
14:00 MS-10	S. Schwarzsinger NMR-PROFILING OF FOOD: HIGH- THROUGHPUT QUANTITATIVE ANALYSIS OF QUALITY- AND AUTHENTICITY MARKERS
14:30 MS-11	G. Richter FUNCTIONAL AND STRUCTURAL ANALYSIS OF THE FOXP2 - β-CATENIN INTERACTION
15:00	Coffee break
15:30 MS-12	L. Brecker USING NMR SPECTROSCOPY AS A SOLE METHOD FOR ANALYSIS?
16:00 MS-13	B. Mateos ¹³ C-DETECTED PRE ON INTRINSICALLY DISORDERED PROTEINS
16:30 MS-14	M. Somlyay ¹⁹ F-NMR SPECTROSCOPY APPLICATIONS IN STRUCTURAL BIOLOGY AND DRUG DEVELOPMENT

HS 424	Mini Symposium Surface Chemistry and Catalysis Chair: Karin Föttinger	
	13:15	Welcome
	13:20 MS-15	J.M. Jimenez MODIFICATION OF CHARGE TRAPPING AT PARTICLE/PARTICLE INTERFACES BY ELECTROCHEMICAL HYDROGEN DOPING OF NANOCRYSTALLINE RUTILE TiO ₂ ELECTRODES

13:40 MS-16	G. Haselmann DEACTIVATION OF Pt-LOADED TiO ₂ DURING PHOTOCATALYTIC H ₂ EVOLUTION MEDIATED BY OXYGEN VACANCIES
14:00 MS-17	K. Dobrezberger PHYSICO-CHEMICAL AND KINETIC STUDIES OF CARBON AND OXIDE SUPPORTED Pd/Pt NANOPARTICLE HYDROGENATION CATALYSTS
14:20 MS-18	N. Shakibi Nia DEMS STUDIES OF ETHANOL OXIDATION ON VALVE METAL (OXY)CARBIDE SUPPORTED Pt (ALLOY) CATALYSTS
14:40 MS-19	M. Roiaz A NEW EXPERIMENTAL SETUP FOR UHV AND AMBIENT PRESSURE SFG SPECTROSCOPY
15:00	Coffee break
15:30 MS-20	A. Cherevan IMPORTANCE OF THE INTERFACE IN NANOCARBON-INORGANIC HYBRID PHOTOCATALYSTS
15:50 MS-21	K. Kocsis FUNCTIONALIZATION AND PHOTOLUMINESCENCE OF ZnO NANOPARTICLE DISPERSIONS
16:10 MS-22	S. Pollitt STABILITY AND REACTIVITY STUDIES ON Au ₃₈ (SR) ₂₄ CLUSTERS SUPPORTED ON OXIDES IN GAS AND LIQUID PHASE REACTIONS
16:30 MS-23	A. Nagl SUPPORTED BIMETALLIC Au CATALYSTS: STRUCTURE- PERFORMANCE RELATIONSHIPS

**Mini Symposium – Bio-based Industry:
Spanning a bow from Microfluidics to
Biotechnology**

Chair: Robert Mach

HS 413

12:00 MS-24	M. Harasek BIO-BASED INDUSTRIES – CHEMICAL ENGINEERS' CONTRIBUTIONS TO SUCCESSFUL PROCESS DEVELOPMENTS
12:30 MS-25	R. Kourist EXPANDING AND EXPLORING NATURAL SEQUENCE SPACE – FROM PROTEIN ENGINEERING TO CHEMO-ENZYMATIC TANDEM REACTIONS
13:00 MS-26	Ch. Derntl A PLEIOTROPIC REGULATOR OF THE PRIMARY AND SECONDARY METABOLISM IN FUNGI
13:20 MS-27	T. M. Mello-de-Sousa WHEN MORE IS LESS: HIGH PRODUCTIVITY CONTRIBUTES TO STRAIN DEGENERATION IN <i>Trichoderma</i> <i>reesei</i>
13:40 MS-28	I. Druzhinina LEARNING FROM FUNGI: NEW APPLICATIONS OF THE NATURAL AND ENGINEERED SURFACE- ACTIVE PROTEINS FROM FUNGI
14:00 MS-29	V. Lobanov PRODUCTION OF FUNGAL SURFACE- ACTIVE PROTEINS IN THREE MICROBIAL CELL FACTORIES
14:20 MS-30	V. Vežočník ARTIFICIAL LIPID DROPLETS AS A NEW MODEL LIPID SYSTEM
14:40 MS-31	J. Rosser APPLIED CHEMISTRY IN MICROFLUIDIC THREE DIMENSIONAL TISSUE AND DISEASE MODELING
15:00	Coffee break

<p>15:30 MS-32</p>	<p>M. Fischlechner DIRECTED EVOLUTION WORKFLOWS WITH MICROFLUIDIC EMULSIONS AND THEIR DERIVATIVES</p>
<p>16:00 MS-33</p>	<p>Ch. Eilenberger MICROFLUIDIC GENERATION AND MAINTENANCE OF SPHEROIDS ON A SELF-ASSEMBLED ULTRA-LOW ATTACHMENT NANO-BIOINTERFACE</p>
<p>16:20 MS-34</p>	<p>H. Zirath MICROFLUIDIC TOXICOLOGY SCREENING PLATFORM WITH REAL TIME MONITORING OF CELL VIABILITY</p>
<p>16:40 MS-35</p>	<p>E. Ergir DEVELOPMENT OF A MEMBRANE- INTEGRATED MICROFLUIDIC WOUND HEALING/MIGRATION ASSAY FOR MEDIUM-THROUGHPUT AND HIGH- CONTENT CELL ANALYSIS</p>

Mini Symposium
Modern Trends in Physical Chemistry
Chair: Wolfgang Kautek

12:00 MS-36	A.W. Hassel HOW TO OVERCOME THE LIMITATION OF THE NON-SPECIFICITY OF THE ELECTRON IN ELECTROCHEMISTRY?
12:30 MS-37	P. Stadler 3 rd GENERATION CONDUCTIVE POLYMERS - TRANSPARENT CONDUCTORS AND FUNCTIONAL ELECTRODES
13:00 MS-38	G. Rupprechter SURFACE REACTIONS ON SOLID OXIDE FUEL CELL MATERIALS: AMBIENT PRESSURE SPECTROSCOPY OF ONGOING REACTIONS
13:30 MS-39	E. Bertel RESEARCH HIGHLIGHTS FROM THE INSTITUTE OF PHYSICAL CHEMISTRY AT THE UNIVERSITY OF INNSBRUCK
14:00 MS-40	O. Armbruster FEMTO- AND NANOTECHNOLOGY AT INTERFACES
15:00	Coffee break
15:30 MS-41	G. Gescheidt FROM RADICALS AND MAGNETIC RESONANCE TO POROUS SYSTEMS: DIVERSITY AND CONSISTENCE
16:00 MS-42	A. Egger MIXED IONIC-ELECTRONIC CONDUCTING CERAMICS AS ELECTRODE MATERIALS FOR HIGH TEMPERATURE FUEL CELLS AND ELECTROLYZERS
16:30 MS-43	O. Diwald NANOMATERIALS AND INTERFACES: PHYSICAL CHEMISTRY AT PLUS

HS 435

Mini Symposium
Medicinal & Bioorganic Chemistry
Chair: Michael Schnürch

HS 402

12:00 MS-44	J. Waser FUNCTIONALIZATION WITH HYPERVALENT IODINE REAGENTS: FROM SMALL ORGANIC COMPOUNDS TO BIOMOLECULES
12:30 MS-45	N. Cramer THE QUEST FOR EFFICIENT LIGANDS IN ASYMMETRIC C-H FUNCTIONALIZATIONS
13:00 MS-46	Ch. Stanetty THE ACYLOXYALLYLATION OF ALDOSES – UNDERSTANDING AND APPLICATIONS
13:15 MS-47	A. Dolbois DESIGN AND SYNTHESIS OF HIGHLY POTENT AND UPMOST SELECTIVE ACETYL BENZENES AS CREBBP LIGANDS
13:30 MS-48	K. Bampali HIGH AFFINITY LIGANDS SELECTIVE FOR β 1-CONTAINING GABA _A RECEPTORS
13:45 MS-49	L. Roiser THE USE OF AMMONIUM YLIDES FOR THE STEREOSELECTIVE SYNTHESIS OF BIOLOGICALLY RELEVANT CARBO- AND HETEROCYCLES
14:00 MS-50	T. Glasnov SYNTHESIS OF SELECTED PYRAZOLES AS LIGHT-RESPONSIVE MODULATORS (INHIBITORS) OF TRPC3/6-CHANNELS
14:30 MS-51	M. Vasiloiu DEVELOPMENT, SCALE UP AND MANUFACTURING OF VABORBACTAM AT PATHEON AUSTRIA: A CASE STUDY FOR CONTINUOUS PROCESSES IN MANUFACTURE OF APIs
15:00	Coffee break

<p>15:30 MS-52</p>	<p>W. Felzmann ENTER THE COST-CHALLENGE: DEVELOPMENT OF NEW AND COST- EFFICIENT PROCESSES FOR API SYNTHESES</p>
<p>16:00 MS-53</p>	<p>M. Berger SYNTHESIS OF POLYACETYLENIC CICUTOXIN AND VIROL A BY CYCLOBUTENE RING OPENING AND BIOLOGICAL EVALUATION</p>
<p>16:15 MS-54</p>	<p>F. Rudroff CATALYTIC CASCADES – 'EN ROUTE' TO APPLIED BIOCHEMICAL CELL- FACTORIES</p>
<p>16:30 MS-55</p>	<p>M.D. Mihovilovic FLAVOENZYME BIOCATALYSIS – CHALLENGES AND OPPORTUNITIES</p>

		Tuesday, September 26, 2017
	09:00	Conference Opening AUDIMAX
		Plenary Lectures AUDIMAX
	09:15 PL-1	P. Kündig THE ASYMMETRIC CATALYTIC ACTIVATION OF C-H BONDS
	10:00 PL-2	H.P. Steinrück SURFACE CHEMISTRY OF COMPLEX MATERIALS
	10:45 - 12:00	Postersession, exhibition visit, coffee break
	12:00 - 13:00	Lunch
	12:00 - 13:00	Nature Research Lunch Workshop HS 421
	12:00 - 13:00	Agilent Technologies Lunch Workshop - HS 424
	13:00 - 15:00	Short Lectures <ul style="list-style-type: none"> • Industry meets University • Bioanalytical Chemistry I • Chemistry and Energy • Organic Chemistry I
	13:00 - 15:00	Jungchemiker – Careers in Concept HS 434
	15:00 - 16:00	Postersession, exhibition visit, coffee break
	16:00 - 17:00	Short Lectures <ul style="list-style-type: none"> • Bioanalytical Chemistry II • Inorganic Chemistry I • Materials I • Organic Chemistry II
	16:00 - 17:00	Jungchemiker – Careers in Concept HS 434

		Plenary Lecture AUDIMAX
	17:00 PL-3	M. Kovalenko NANO- AND LARGE SINGLE CRYSTALS OF LEAD HALIDE PEROVSKITES: FROM BRIGHT LIGHT EMISSION TO GAMMA DETECTION
	17:45 - 19:30	GÖCH 120 Jahre, Chemistry Awards, Anton Paar Science Award & Habilitation Award 2017, Ehrenurkunde, ASAC Young Analytical Chemist Award, ASAC Feigl-Award, Springer Best Paper
	19:30	Conference Dinner

HS 403	Industry meets University	
	13:00 OP-10	Ch. Auner ANFORDERUNGEN AN LACK- UND BESCHICHTUNGSSYSTEME DER ZUKUNFT
	13:30 OP-11	S. Pirker TREIBACHER INDUSTRIE AG - ALS HIDDEN CHAMPION AUS KÄRNTEN ZU EINEM GLOBALEN INNOVATIONSFÜHRER IN CHEMIE, METALLURGIE UND KERAMIK
	14:00 OP-12	M. Schiestl PLANNING A CAREER IN PHARMA INDUSTRY - A PERSONAL PERSPECTIVE
	14:30	Discussion Round
HS 403	Inorganic Chemistry I	
	16:00 OP-13	B. Bildstein COBALTOCENYLIDENE - AN ORGANOMETALLIC MESOIONIC CARBENE
	16:20 OP-14	J. Bruns VERSATILE OXOANIONS
	16:40 OP-15	U. Monkowius TUNING THE LUMINESCENCE OF COPPER(I) COMPLEXES

HS 402	Bioanalytical Chemistry I	
	13:00 OP-1	B. Reichl LIPIDOMICS - ANALYSIS OF PHOSPHATIDYLCHOLINE SPECIES IN CEREBROSPINAL FLUID
	13:20 OP-2	R. Reischl THE CHEMO- & ENANTIOSELECTIVE ANALYSIS OF AMINO ACID ENANTIOMERS USING NANO 2D-HPLC- MS WITH STATIONARY PHASE ASSISTED MODULATION

	13:40 OP-3	A. Leitner INSIGHTS INTO CHEMOSELECTIVITY PRINCIPLES IN METAL OXIDE AFFINITY CHROMATOGRAPHY FOR MASS SPECTROMETRY-BASED PHOSPHOPROTEOMICS
	14:00 OP-4	T. Scheidt PHOSPHORYLATION: AN IMPORTANT SIGNAL IN BIOLOGICAL CHEMISTRY
	14:20 OP-5	M. Assfalg IDENTIFICATION OF SPECIFIC NONCOVALENT INTERACTIONS BETWEEN PROTEINS AND NANOPARTICLES BASED ON SITE- RESOLVED NMR SPECTROSCOPY
	14:40 OP-6	N.M. Grob IMPROVED TUMOUR TARGETING WITH STABILISED PEPTIDOMIMETICS
HS 402	Bioanalytical Chemistry II	
	16:00 OP-7	G. Toth PHOSPHOPROTEOMIC ANALYSIS OF MURINE SYNAPTOSOME IN SLEEP DEPRIVATION
	16:20 OP-8	K. Pelivan UNDERSTANDING THE METABOLISM OF THE ANTICANCER DRUG TRIAPINE BY ELECTROCHEMICAL OXIDATION, <i>IN</i> <i>VITRO</i> AND <i>IN VIVO</i>
	16:40 OP-9	Ch. Huck ADVANCES OF MOLECULAR SPECTROSCOPY IN NATURAL PRODUCT AND BIOANALYTICAL RESEARCH

HS 413	Chemistry and Energy	
	13:00 OP-19	A. Lanzilotto IMPROVED LIGHT ABSORBANCE DOES NOT LEAD TO BETTER DSC PERFORMANCE
	13:20 OP-20	B. Gollas ZINC ELECTRODEPOSITION FOR LARGE SCALE ENERGY STORAGE
	13:40 OP-21	J. Kunze-Liebhäuser PREFERENTIALLY ORIENTED TiO ₂ NANOTUBES AS ANODE MATERIAL FOR Li-ION BATTERIES: INSIGHT INTO Li-ION STORAGE AND LITHIATION KINETICS
	14:00 OP-22	W. Sitte OXYGEN EXCHANGE KINETICS AND LONG-TERM STABILITY OF THE NEW SOLID OXIDE FUEL CELL CATHODE MATERIAL La _{0.8} Ca _{0.2} FeO _{3-δ}
	14:20 OP-23	D. Rettenwander STRUCTURE-PROPERTY RELATIONSHIPS OF SINGLE CRYSTALLINE Li/Na-ION CONDUCTING SOLID ELECTROLYTES
14:40 OP-24	A. Foelske-Schmitz X-RAY PHOTOELECTRON SPECTROSCOPY OF IONIC LIQUIDS – FROM HALF CELL MEASUREMENTS TO IN SITU ELECTROCHEMICAL XPS STUDIES	
HS 413	Materials I	
	16:00 OP-25	G. Panzarasa PHOTOCATALYTIC LITHOGRAPHY: PHOTOCATALYSIS-ASSISTED SURFACE PATTERNING AND MICRO-/NANOSTRUCTURATION OF POLYMER BRUSHES AND METAL PARTICLES ARRAYS
	16:20 OP-26	W. Kautek LASER ABLATION OF METALS IN LIQUID CONTACT
	16:40 OP-27	P. Dolcet CuS NANOSTRUCTURES FOR PHOTOTHERMAL APPLICATIONS: THE MINIEMULSION ROUTE

Organic Chemistry I		
HS 414	13:00 OP-31	F. Glöcklhofer PREPARATION OF CYANATED AROMATIC COMPOUNDS FROM QUINONES
	13:20 OP-32	V. Pace SYNTHETIC ADVENTURES WITH CARBENOID REAGENTS: A JOURNEY FROM CLASSICAL HOMOLOGATIONS TO NEW REACTIVITY CONCEPTS
	13:40 OP-33	D. Svatunek THE REACTIVITY OF BIS-TETRAZINES IN BIOORTHOGONAL DIELS-ALDER REACTIONS
	14:00 OP-34	M. Tiffner CHIRAL BIFUNCTIONAL AMMONIUM SALTS IN ASYMMETRIC PHASE-TRANSFER REACTIONS
	14:20 OP-35	M. Mastalir NON-PRECIOUS METAL PNP COMPLEXES AS EFFICIENT CATALYSTS FOR ACCEPTORLESS DEHYDROGENATION IN ORGANIC SYNTHESIS
Organic Chemistry II		
HS 414	16:00 OP-36	P. Dobrounig SYNTHESIS OF AN AMPHIPHILIC OLIGOARYL-BASED apoA1 MIMETIC
	16:20 OP-37	K. Pallitsch A NEW GENERAL STRATEGY FOR THE SYNTHESIS OF PROTEINOGENIC α -AMINOPHOSPHONIC ACIDS OF HIGH ENANTIOMERIC EXCESS
	16:40 OP-38	N. Sudzukovic SYNTHESIS OF SECOLOGANIN ANALOGUES

		Wednesday, September 27, 2017
		Plenary Lecture AUDIMAX
	09:00 PL-4	Ch. Becker (SEMI-)SYNTHESIS OF POSTTRANSLATIONALLY MODIFIED PROTEINS
		Invited Lecture AUDIMAX
	09:45 IL-3	B. Warth MASS SPECTROMETRY GUIDED FOOD SAFETY: FROM TARGETED TOWARDS EXPOSOME-SCALE ANALYSIS
	09:45 - 12:00	Jungchemiker – Workshops HS 434 and HS 435
	10:30 - 11:00	Postersession, exhibition visit, coffee break
	11:00 - 12:00	Short Lectures <ul style="list-style-type: none"> • Polymeric Materials • Inorganic Chemistry II • Materials II • Catalysis I
	12:00 - 13:00	Lunch
	13:00 - 14:20	Short Lectures <ul style="list-style-type: none"> • Analytical and Environmental Chemistry • Nanomaterials • Porous Materials • Catalysis II
	13:00 - 14:20	Jungchemiker – Workshops HS 434 and HS 435

		Plenary Lecture AUDIMAX
	14:20 PL-5	M. Winter THE CONTRIBUTION OF (ELECTRO)- CHEMISTRY TO ELECTRO-MOBILITY AND "ENERGY TRANSITION"
	15:05 - 15:45	Postersession, exhibition visit, coffee break
		Invited Lecture AUDIMAX
	15:45 IL-4	Th. Berger HYDROGEN-DERIVED ELECTRON CENTERS IN SEMICONDUCTOR OXIDE ELECTRODES - PROPERTIES AND FUNCTION
	16:30 - 16:50	Poster Awards AUDIMAX
		Greeting – leave-taking AUDIMAX

Polymeric Materials	
HS 402	<p>11:00 OP-39</p> <p>G. Trimmel POLYMERIC LIGHT-UP-CONVERSION MATERIALS PREPARED VIA RING OPENING METATHESIS POLYMERISATION</p>
	<p>11:20 OP-40</p> <p>M. Omastová POLYCAPROLACTONE/POLYPYRROLE NANOFIBER MATS FOR BIOENGINEERING</p>
	<p>11:40 OP-41</p> <p>W. Gnong PHOSPHAZENE BASED ANTIOXIDANTS FOR POLYOLEFINS</p>
Analytical and Environmental Chemistry	
HS 402	<p>13:00 OP-42</p> <p>P. Robatscher 3-CHLORO-5-TRIFLUOROMETHYLPYRIDINE-2-CARBOXYLIC ACID (PCA), A METABOLITE OF THE FUNGICIDE FLUOPYRAM, CAUSES GROWTH DISTORTIONS IN GRAPEVINES</p>
	<p>13:20 OP-43</p> <p>M. Oberhuber IS THE AUTUMNAL PATHWAY OF CHLOROPHYLL BREAKDOWN ALSO RELEVANT FOR PATHOGEN-INDUCED LEAF CHLOROSIS: A STUDY ON PHYTOPLASMA-INFECTED APPLE (MALUS X DOMESTICA BORKH.) AND APRICOT (PRUNUS ARMENIACA L.) TREES</p>
	<p>13:40 OP-44</p> <p>Ch. Plessl MERCURY TURNOVER IN DIFFERENT TYPES OF WATERBODIES</p>

Inorganic Chemistry II		
HS 403	11:00 OP-16	B.G. Steller DIARYLTIN DIHYDRIDES AS BUILDING BLOCKS FOR FUNCTIONALIZED OLIGOMERS AND σ -CONJUGATED MATERIALS
	11:20 OP-17	Ch.A. Riedl C,N-CYCLOMETALATED RUTHENA(II)- AND OSMA(II)CYCLES AS ANTICANCER AGENTS
	11:40 OP-18	W. Viertl PREPARATION OF NEW DI-, TRI-, TETRA- AND HEXADENTATE AMINOPHOSPHANES FOR ARTIFICIAL PHOTOSYNTHESIS
Nanomaterials		
HS 403	13:00 OP-45	M. Yarema QUANTIFYING THE ATOMISTIC AND NANOSCALE STRUCTURE OF GRADED CORE/SHELL COLLOIDAL NANOCRYSTALS: THE CASE OF Ag-In-Se/ZnSe
	13:20 OP-46	S. Gross EXPLORING THE SYNERGY OF MINIEMULSION AND SOLVOTHERMAL CONDITIONS FOR THE LOW TEMPERATURE CRYSTALLIZATION OF MAGNETIC LATE TRANSITION METAL FERRITE COLLOIDS
	13:40 OP-47	S. Barth LOW TEMPERATURE SYNTHESIS OF GERMANIUM NANORODS AND NANOWIRES

Materials II		
HS 413	11:00 OP-28	M. Maggini MICROFLUIDIC CHEMICAL FUNCTIONALIZATION OF CARBON NANOSTRUCTURES
	11:20 OP-29	S. Baudis MACROMOLECULAR PHOTOCHEMISTRY: A TOOLBOX TO CONTROL THE MICRO- ENVIRONMENT OF CELLS
	11:40 OP-30	D. Farka OVERCOMING DISORDER IN PEDOT: SULPHATE
Porous Materials		
HS 413	13:00 OP-48	H. Maleki STRUCTURALLY DESIGNED SILICA-SILK FIBROIN HYBRID (BIO) AEROGELS AS BIOMATERIALS: IMPROVED MECHANICAL PROPERTIES PROMOTED BY FUNCTIONALIZATION AND HYBRIDIZATION
	13:20 OP-49	J. Florek EFFICIENT HYBRID MESOPOROUS SILICA AND CARBON SORBENTS FOR RARE EARTH RECOVERY
	13:40 OP-50	Y. Salinas STIMULI-RESPONSIVE GATED MESOPOROUS SILICA NANOPARTICLES USED FOR CONTROLLED DRUG DELIVERY IN NANOMEDICINE
	14:00 OP-51	H.W.G. van Herwijnen THE INFLUENCE OF LIGNIN PROPERTIES ON THE PERFORMANCE OF LIGNIN- PHENOLIC ADHESIVES

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HS 414	11:00 OP-52	C. Fink CARBON DIOXIDE AS VERSATILE HYDROGEN STORAGE VECTOR
	11:20 OP-53	J. Schachner OXYGEN ATOM TRANSFER CATALYSIS WITH Re AND Mo COMPLEXES. NEW INSIGHTS AND REACTIVITIES
	11:40 OP-54	S. Salzl SIMPLE AND REVERSIBLE PHOTOCATALYTIC REDUCTION OF FERREDOXIN IN PURE WATER
Catalysis II		
HS 414	13:00 OP-55	R. Amoedo HYDROGENATION USING IRON(II) COMPLEX AND CARBON BASED SILP CATALYSTS
	13:20 OP-56	H. Gruber-Woelfler APPROACHES TO PREPARE MONOLITHIC HONEYCOMB Pd-CATALYSTS FOR SUZUKI-MIYAJIMA REACTIONS IN CONTINUOUS FLOW
	13:40 OP-57	V. Pramhaas THICKNESS DEPENDENT ADSORPTION PROPERTIES OF Pt FILMS - CO OXIDATION STUDIED IN SITU BY SFG
	14:00 OP-58	F. Kollhoff ADSORPTION AND THERMALLY INDUCED SELF-METALATION OF CARBOXY-PORPHYRINS ON METAL OXIDE NANOPARTICLES

Poster Presentation

Analytical Chemistry

PO-1 G. Bloderer

APPLICATION OF IMAGED CAPILLARY ISOELECTRIC FOCUSING (iCIEF) IN THE CHARACTERIZATION OF PROTEINS AND ALLERGENS

PO-2 L. Emhofer

HOW PLANTS METABOLIZE FOUR NON-STEROIDAL ANTI-INFLAMMATORY DRUGS AFTER THEIR UPTAKE VIA DRUG CONTAINING WATER

PO-3 T. Erhart

IMAGING OF BIOLOGICAL TISSUE USING DESORPTION ELECTROSPRAY IONIZATION (DESI)

PO-4 C. Fischer

TRACE METAL DETERMINATION IN ESSENTIAL OIL SAMPLES BY GFAAS

PO-5 M. Kistler

DETERMINATION OF BENZO(a)PYRENE IN THE AMBIENT PARTICULATE MATTER – CHALLENGES WITHIN A STANDARDIZED ANALYTICAL PROCEDURE

PO-6 D. Licha

ASSESSMENT OF KETOGENIC DIETS AS ADJUVANT TREATMENT OF NEUROBLASTOMA BY METABOLOMIC PROFILING

PO-7 Ch. Meisenbichler

MALDI IMAGING MASS SPECTROMETRY FOR THE 2D LOCALIZATION OF LIPIDS IN HUMAN AORTIC TISSUE

PO-8 M. Musso

InCIMA: SMART CHARACTERIZATION OF SMART MATERIALS

PO-9 M. Musso

CHARACTERIZATION OF TANNIN-FURANIC FOAMS BY UV RAMAN AND INFRARED SPECTROSCOPY AND BY X-RAY COMPUTED MICROTOMOGRAPHY

PO-10 U. Oppermann

BEER ANALYSIS OF INORGANIC AND ORGANIC CONTAMINANTS BY ICP-MS AND LC-MSMS

PO-11 C. Schwarzsinger

SPECTROSCOPIC STUDIES ON DEMANTOID GARNETS. IS IT POSSIBLE TO ASSIGN ORIGINS BASED ON SCIENTIFIC EVIDENCE?

PO-12 M. Segl

HOST CELL PROTEIN CLEARANCE AND IDENTIFICATION

PO-13 L. Strasser

QUANTITATIVE PROTEOMICS TO ELUCIDATE CONTEXT-DEPENDENT ALLERGENICITY OF THE MAJOR BIRCH POLLEN ALLERGEN

PO-14 O. Taniya

MICELLE-FORMING SENSORS BASED ON 1-PYRENOL FOR DETECTION CONTAMINANTS

PO-15 J. Trafkowski

SUPERCritical FLUID CHROMATOGRAPHY WITH FLEXIBLE INJECTION VOLUMES AND HIGHEST PRECISION ON THE AGILENT 1260 INFINITY II ANALYTICAL SFC System

PO-16 L. Vasina

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PO-17 M. Ertl

PHOTO-OXIDATION OF IODINE AND IN SITU REACTION WITH TYROSINE

PO-18 A. Leitner

STRUCTURAL MODELING OF PROTEIN-RNA COMPLEXES USING CROSSLINKING OF SEGMENTALLY ISOTOPE-LABELED RNA AND TANDEM MASS SPECTROMETRY

PO-19 G. Pema

FORMATION OF VASCULAR NETWORKS
STUDY IN BIOCHIPS USING CO-CULTURES
OF ADIPOSE DERIVED STEM CELLS AND
ENDOTHELIAL CELLS IN A 3D FIBRIN
MATRIX

PO-20 P. Schilling

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PO-21 C. Zanetti

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ELECTROCHEMICAL DETECTION AND
INTERFERENCE STUDY

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PO-22 B. Bachmann

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PO-23 E. Fitz

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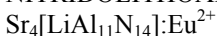
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