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ORAL LECTURES

Monday, 2017-09-25

Session Jungchemiker

12:00 Jungchemiker - Chemistry a_side

-

15:00

Mini Symposium Biobased Industry: Spanning a bow from Microfluidics to Biotechnology

12:00 MS-24 **M. Harasek** / TU Wien, Vienna, Austria

-

BIO-BASED INDUSTRIES – CHEMICAL ENGINEERS’ CONTRIBUTIONS TO SUCCESSFUL

12:30 PROCESS DEVELOPMENTS

12:30 MS-25 **R. Kourist** / Ruhr-University Bochum, Bochum, Germany

-

EXPANDING AND EXPLORING NATURAL SEQUENCE SPACE – FROM PROTEIN

13:00 ENGINEERING TO CHEMO-ENZYMATIC TANDEM REACTIONS

13:00 MS-26 **Ch. Derntl** / TU Wien, Vienna, Austria

-

A PLEIOTROPIC REGULATOR OF THE PRIMARY AND SECONDARY METABOLISM IN FUNGI

13:20

MS-27 **T.M. Mello de Sousa** / Christian Doppler laboratory for optimized expression carbohydrate-active enzymes, Austria

-

13:40 WHEN MORE IS LESS: HIGH PRODUCTIVITY CONTRIBUTES TO STRAIN DEGENERATION IN *Trichoderma reesei*

13:40 MS-28 **I. Druzhinina** / TU Wien, Vienna, Austria

-

LEARNING FROM FUNGI: NEW APPLICATIONS OF THE NATURAL AND ENGINEERED

14:00 SURFACE-

ACTIVE PROTEINS FROM FUNGI

14:00 MS-29 **V. Lobanov** / TU Wien, Vienna, Austria

-

PRODUCTION OF FUNGAL SURFACE-ACTIVE PROTEINS IN THREE MICROBIAL CELL

14:20 FACTORIES

14:20 MS-30 **V. Vežočnik** / University of Ljubljana, Ljubljana, Slovenia

-

ARTIFICIAL LIPID DROPLETS AS A NEW MODEL LIPID SYSTEM

14:40

14:40 MS-31 **J. Rosser** / University of Veterinary Medicine, Vienna, Austria

-

APPLIED CHEMISTRY IN MICROFLUIDIC THREE DIMENSIONAL TISSUE AND DISEASE

15:00 MODELING

15:30 MS-32 **M. Fischlechner** / University of Southampton, Southampton, UK

-

DIRECTED EVOLUTION WORKFLOWS WITH MICROFLUIDIC EMULSIONS AND THEIR

16:00 DERIVATIVES

16:00 MS-33 **Ch. Eilenberger** / TU Wien, Vienna, Austria

-

MICROFLUIDIC GENERATION AND MAINTENANCE OF SPHEROIDS ON A SELF-

16:20 ASSEMBLED ULTRA-LOW ATTACHMENT NANO-BIOINTERFACE

16:20 MS-34 **H. Zirath** / TU Wien, Vienna, Austria

-

MICROFLUIDIC TOXICOLOGY SCREENING PLATFORM WITH REAL TIME MONITORING

16:40 CELL VIABILITY

16:40 MS-35 **E. Ergir** / TU Wien, Vienna, Austria

-

DEVELOPMENT OF A MEMBRANE-INTEGRATED MICROFLUIDIC WOUND

17:00 HEALING/MIGRATION ASSAY FOR MEDIUM-THROUGHPUT AND HIGH-CONTENT CELL ANALYSIS

Mini Symposium Materials and Molecules in Nuclear Magnetic Resonance

12:00 MS-6 **J. Plavec** / National Institute of Chemistry, Ljubljana, Slovenia

-

NMR STUDIES OF DNA STRUCTURES BEYOND DOUBLE-STRANDED HELIX

12:30

12:30 MS-7 **P. Rathner** / Johannes Kepler University Linz, Linz, Austria

-

SOLUTION AND SOLID STATE NMR SPECTROSCOPY OF OLIGOMERIC STIM1 PROTEIN

13:00

13:00 MS-8 **M. Kamenicky** / Johannes Kepler University Linz, Linz, Austria

-

DRUG DISCOVERY FROM PROTEIN-PROTEIN INTERACTIONS BY NMR

13:30

- 13:30 MS-9 **W. Robien** / University of Vienna, Vienna, Austria
 - REMARKS ON THE QUALITY OF ¹³C-NMR DATA PUBLISHED IN THE CHEMICAL
 14:00 LITERATURE
- 14:00 MS-10 **S. Schwarzinger** / University of Bayreuth, Bayreuth, Germany
 - NMR-PROFILING OF FOOD: HIGH-THROUGHPUT QUANTITATIVE ANALYSIS OF QUALITY
 14:30 AND AUTHENTICITY MARKERS
- 14:30 MS-11 **G. Richter** / Medical University of Graz, Graz, Austria
 - FUNCTIONAL AND STRUCTURAL ANALYSIS OF THE FOXP2 - β-CATENIN INTERACTION
 15:00
- 15:30 MS-12 **L. Brecker** / University of Vienna, Vienna, Austria
 - USING NMR SPECTROSCOPY AS A SOLE METHOD FOR ANALYSIS?
 16:00
- 16:00 MS-13 **B. Mateos** / University of Vienna, Vienna, Austria
 - ¹³C-DETECTED PRE ON INTRINSICALLY DISORDERED PROTEINS
 16:30
- 16:30 MS-14 **M. Somlyay** / Max F. Perutz Laboratories, Vienna, Austria
 - ¹⁹F-NMR SPECTROSCOPY APPLICATIONS IN STRUCTURAL BIOLOGY AND DRUG
 17:00 DEVELOPMENT

Mini Symposium Medical and Bioorganic Chemistry

- 12:00 MS-44 **J. Waser** / Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne,
 Switzerland
 - FUNCTIONALIZATION WITH HYPERVALENT IODINE REAGENTS: FROM SMALL ORGANIC
 12:30 COMPOUNDS TO BIOMOLECULES
- 12:30 MS-45 **N. Cramer** / Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne,
 Switzerland
 - THE QUEST FOR EFFICIENT LIGANDS IN ASYMMETRIC C-H FUNCTIONALIZATIONS
 13:00
- 13:00 MS-46 **Ch. Stanetty** / TU Wien, Vienna, Austria
 - THE ACYLOXYALLYLATION OF ALDOSES – UNDERSTANDING AND APPLICATIONS
 13:15
- 13:15 MS-47 **A. Dolbois** / University of Zürich, Zürich, Switzerland
 - DESIGN AND SYNTHESIS OF HIGHLY POTENT AND UPMOST SELECTIVE
 13:30 ACETYL BENZENES AS CREBBP LIGANDS
- 13:30 MS-48 **K. Bampali** / University of Vienna, Vienna, Austria
 - HIGH AFFINITY LIGANDS SELECTIVE FOR β1-CONTAINING GABA_A RECEPTORS
 13:45
- 13:45 MS-49 **L. Roiser** / Johannes Kepler University Linz, Linz, Austria
 - THE USE OF AMMONIUM YLIDES FOR THE STEREOSELECTIVE SYNTHESIS OF
 14:00 BIOLOGICALLY RELEVANT CARBO- AND HETEROCYCLES
- 14:00 MS-50 **T. Glasnov** / University of Graz, Graz, Austria
 - SYNTHESIS OF SELECTED PYRAZOLES AS LIGHT-RESPONSIVE MODULATORS
 14:30 (INHIBITORS) OF TRPC3/6-CHANNELS
- 14:30 MS-51 **M. Vasiloiu** / Patheon Linz, Linz, Austria
 - DEVELOPMENT, SCALE UP AND MANUFACTURING OF VABORBACTAM AT PATHEON
 15:00 AUSTRIA: A CASE STUDY FOR CONTINUOUS PROCESSES IN MANUFACTURE OF APIs
- 15:30 MS-52 **W. Felzmann** / Sandoz GmbH, Kundl, Austria
 - ENTER THE COST-CHALLENGE: DEVELOPMENT OF NEW AND COST-EFFICIENT
 16:00 PROCESSES FOR API SYNTHESSES
- 16:00 MS-53 **M. Berger** / University of Vienna, Vienna, Austria
 - SYNTHESIS OF POLYACETYLENIC CICUTOXIN AND VIROL A BY CYCLOBUTENE RING
 16:15 OPENING AND BIOLOGICAL EVALUATION
- 16:15 MS-54 **F. Rudroff** / TU Wien, Vienna, Austria
 - CATALYTIC CASCADES – 'EN ROUTE' TO APPLIED BIOCHEMICAL CELL-FACTORIES
 16:30
- 16:30 MS-55 **M.D. Mihovilovic** / TU Wien, Vienna, Austria
 - FLAVOENZYME BIOCATALYSIS – CHALLENGES AND OPPORTUNITIES
 17:00

Mini Symposium Modern Trends in Physical Chemistry

- 12:00 MS-36 **A.W. Hassel** / Johannes Kepler University Linz, Linz, Austria
 - HOW TO OVERCOME THE LIMITATION OF THE NON-SPECIFICITY OF THE ELECTRON I
 12:30 ELECTROCHEMISTRY?
- 12:30 MS-37 **P. Stadler** / Johannes Kepler University Linz, Linz, Austria
 - 3rd GENERATION CONDUCTIVE POLYMERS - TRANSPARENT CONDUCTORS AND
 13:00 FUNCTIONAL ELECTRODES
- 13:00 MS-38 **G. Rupprechter** / TU Wien, Vienna, Austria
 - SURFACE REACTIONS ON SOLID OXIDE FUEL CELL MATERIALS: AMBIENT PRESSURE
 13:30 SPECTROSCOPY OF ONGOING REACTIONS
- 13:30 MS-39 **E. Bertel** / University of Innsbruck, Innsbruck, Austria
 - RESEARCH HIGHLIGHTS FROM THE INSTITUTE OF PHYSICAL CHEMISTRY AT THE
 14:00 UNIVERSITY OF INNSBRUCK

- 14:00 MS-40 **O. Armbruster** / University of Vienna, Vienna, Austria
 - FEMTO- AND NANOTECHNOLOGY AT INTERFACES
 14:30
 15:30 MS-41 **G. Gescheidt** / Graz University of Technology, Graz, Austria
 - FROM RADICALS AND MAGNETIC RESONANCE TO POROUS SYSTEMS: DIVERSITY AN
 16:00 CONSISTENCE
 16:00 MS-42 **A. Egger** / Montanuniversität Leoben, Leoben, Austria
 - MIXED IONIC-ELECTRONIC CONDUCTING CERAMICS AS ELECTRODE MATERIALS FOR
 16:30 HIGH TEMPERATURE FUEL CELLS AND ELECTROLYZERS
 16:30 MS-43 **O. Diwald** / University of Salzburg, Salzburg, Austria
 - NANOMATERIALS AND INTERFACES: PHYSICAL CHEMISTRY AT PLUS
 17:00

Mini Symposium Analytical Chemistry

- 12:30 MS-1 **Ch. Huber** / University of Salzburg, Salzburg, Austria
 - ANALYTICAL METHOD DEVELOPMENT FOR LOW- AND HIGH-MOLECULAR
 13:10 PHARMACEUTICALS: TWO DIFFERENT WORLDS?
 13:10 MS-2 **V. Neu** / BASF, Ludwigshafen am Rhein, Germany
 - METHODENÜBERGREIFENDE PROBLEMLÖSUNGEN IM KOMPETENZZENTRUM ANALYTI
 13:50 DER BASF
 13:50 MS-3 **C. Schwarzinger** / Johannes Kepler University Linz, Linz, Austria
 - INVESTIGATION OF TURQUOISE IMITATIONS AND TREATMENTS WITH FTIR AND
 14:20 PYROLYSIS-GC-MS
 14:20 MS-4
 -
 14:40
 14:40 MS-5 **V. Weiss** / TU Wien, Vienna, Austria
 - GAS-PHASE ELECTROPHORESIS IN (BIO-) NANOPARTICLE RESEARCH
 15:10

Mini Symposium Surface Chemistry and Catalysis

- 13:20 MS-15 **J.M. Jiménez** / University of Salzburg, Salzburg, Austria
 - MODIFICATION OF CHARGE TRAPPING AT PARTICLE/PARTICLE INTERFACES BY
 13:40 ELECTROCHEMICAL HYDROGEN DOPING OF NANOCRYSTALLINE RUTILE TiO₂
 ELECTRODES
 13:40 MS-16 **G. Haselmann** / TU Wien, Vienna, Austria
 - DEACTIVATION OF Pt-LOADED TiO₂ DURING PHOTOCATALYTIC H₂ EVOLUTION
 14:00 MEDIATED BY OXYGEN VACANCIES
 14:00 MS-17 **K. Dobrezberger** / TU Wien, Vienna, Austria
 - PHYSICO-CHEMICAL AND KINETIC STUDIES OF CARBON AND OXIDE SUPPORTED Pd/
 14:20 NANOPARTICLE HYDROGENATION CATALYSTS
 14:20 MS-18 **N. Shakibi Nia** / Leopold-Franzens University Innsbruck, Innsbruck, Austria
 - DEMS STUDIES OF ETHANOL OXIDATION ON VALVE METAL (OXY)CARBIDE SUPPORT
 14:40 Pt (ALLOY) CATALYSTS
 14:40 MS-19 **M. Roiaz** / TU Wien, Vienna, Austria
 - A NEW EXPERIMENTAL SETUP FOR UHV AND AMBIENT PRESSURE SFG SPECTROSCOPY
 15:00
 15:30 MS-20 **A. Cherevan** / TU Wien, Vienna, Austria
 - IMPORTANCE OF THE INTERFACE IN NANOCARBON-INORGANIC HYBRID
 15:50 PHOTOCATALYSTS
 15:50 MS-21 **K. Kocsis** / University of Salzburg, Salzburg, Austria
 - FUNCTIONALIZATION AND PHOTOLUMINESCENCE OF ZnO NANOPARTICLE
 16:10 DISPERSIONS
 16:10 MS-22 **S. Pollitt** / TU Wien, Vienna, Austria
 - STABILITY AND REACTIVITY STUDIES ON Au₃₈(SR)₂₄ CLUSTERS SUPPORTED ON OXIDE
 16:30 IN GAS AND LIQUID PHASE REACTIONS
 16:30 MS-23 **A. Nagl** / TU Wien, Vienna, Austria
 - SUPPORTED BIMETALLIC Au CATALYSTS: STRUCTURE-PERFORMANCE RELATIONSHIP
 16:50

15:00 Coffee Break/Poster/Exhibition

15:30

Session A

15:30 ASAC Hauptversammlung

16:30

Session IL-1

15:30 IL-1 **M. Hall** / University of Graz, Graz, Austria
 - REDOX BIOCATALYSIS: FROM HUMANS TO THE TEST TUBE - AND BEYOND
 16:15

Session Jungchemiker

15:30 Jungchemiker - Chemistry a_side
 -
 17:00

Session IL-2

16:15 IL-2 **A. Orthaber** / Uppsala University, Uppsala, Sweden
 - UNSATURATED ORGANOPNICTOGEN COMPOUNDS IN OPTO-ELECTRONIC MATERIALS
 17:00 FROM LAB CURIOSITIES TO FUNDAMENTAL APPLICATIONS

17:00 GÖCH General Assembly
 -
 18:00
 18:00 Poster Session
 -
 19:00
 19:15 Get together - Welcome Party
 -
 22:00

Tuesday, 2017-09-26

09:00 Conference Opening
 -
 09:15

Session PL-1

09:15 PL-1 **E.P. Kündig** / University of Geneva, Geneva, Switzerland
 - THE ASYMMETRIC CATALYTIC ACTIVATION OF C-H BONDS
 10:00

Session PL-2

10:00 PL-2 **H.-P. Steinrück** / Friedrich-Alexander-University Erlangen-Nuremberg, Erlanger
 - Germany
 10:45 SURFACE CHEMISTRY OF COMPLEX MATERIALS

10:45 Coffee Break/Poster/Exhibition
 -
 12:00

12:00 Lunch
 -
 13:00

Session Lunch

12:00 Lunch Workshop SPRINGER
 -
 13:00

Session Jungchemiker

13:00 Jungchemiker - Careers in Concept
 -
 15:00

Short Lectures Bioanalytical Chemistry I

13:00 OP-1 **B. Reichl** / Johannes Kepler University Linz, Linz, Austria
 - LIPIDOMICS - ANALYSIS OF PHOSPHATIDYLCHOLINE SPECIES IN CEREBROSPINAL
 13:20 FLUID
 13:20 OP-2 **R. Reischl** / University of Salzburg, Salzburg, Austria
 - THE CHEMO- & ENANTIOSELECTIVE ANALYSIS OF AMINO ACID ENANTIOMERS USING
 13:40 NANO 2D-HPLC-MS WITH STATIONARY PHASE ASSISTED MODULATION
 13:40 OP-3 **A. Leitner** / ETHZ, Zürich, Switzerland
 - INSIGHTS INTO CHEMOSELECTIVITY PRINCIPLES IN METAL OXIDE AFFINITY
 14:00 CHROMATOGRAPHY FOR MASS SPECTROMETRY-BASED PHOSPHOPROTEOMICS
 14:00 OP-4 **T. Scheidt** / University of Salzburg, Salzburg, Austria
 - PHOSPHORYLATION: AN IMPORTANT SIGNAL IN BIOLOGICAL CHEMISTRY
 14:20
 14:20 OP-5 **M. Assfalg** / University of Verona, Verona, Italy
 - IDENTIFICATION OF SPECIFIC NONCOVALENT INTERACTIONS BETWEEN PROTEINS AND
 14:40 NANOPARTICLES BASED ON SITE-RESOLVED NMR SPECTROSCOPY

- 14:40 OP-6 **N.M. Grob** / ETH Zürich, Zürich, Switzerland
 - IMPROVED TUMOUR TARGETING WITH STABILISED PEPTIDOMIMETICS
 15:00

Short Lectures Chemistry and Energy

- 13:00 OP-19 **A. Lanzilotto** / University of Basel, Basel, Switzerland
 - IMPROVED LIGHT ABSORBANCE DOES NOT LEAD TO BETTER DSC PERFORMANCE
 13:20
- 13:20 OP-20 **B. Gollas** / Graz University of Technology, Graz, Austria
 - ZINC ELECTRODEPOSITION FOR LARGE SCALE ENERGY STORAGE
 13:40
- 13:40 OP-21 **J. Kunze-Liebhäuser** / Leopold-Franzens University Innsbruck, Innsbruck, Austria
 - PREFERENTIALLY ORIENTED TiO₂ NANOTUBES AS ANODE MATERIAL FOR LI-ION BATTERIES: INSIGHT INTO LI-ION STORAGE AND LITHIATION KINETICS
 14:00
- 14:00 OP-22 **W. Sitte** / Montanuniversität Leoben, Leoben, Austria
 - 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
- 14:20 OP-23 **D. Rettenwänder** / Graz University of Technology, Graz, Austria
 - STRUCTURE-PROPERTY RELATIONSHIPS OF SINGLE CRYSTALLINE Li/Na-ION CONDUCTING SOLID ELECTROLYTES
 14:40
- 14:40 OP-24 **A. Foelske-Schmitz** / TU Wien, Vienna, Austria
 - X-RAY PHOTOELECTRON SPECTROSCOPY OF IONIC LIQUIDS - FROM HALF CELL MEASUREMENTS TO IN SITU ELECTROCHEMICAL XPS STUDIES
 15:00

Short Lectures Industry meets University

- 13:00 OP-10 **Ch. Auner** / Rembrandtin Lack GmbH Nfg. KG, Vienna, Austria
 - ANFORDERUNGEN AN LACK- UND BESCHICHTUNGSSYSTEME DER ZUKUNFT
 13:20
- 13:20 OP-11 **S. Pirker** / Treibacher Industrie AG, Althofen, Austria
 - TREIBACHER INDUSTRIE AG - ALS HIDDEN CHAMPION AUS KÄRNTEN ZU EINEM GLOBALEN INNOVATIONSFÜHRER IN CHEMIE, METALLURGIE UND KERAMIK
 13:40
- 13:40 OP-12 **M. Schiestl** / Sandoz GmbH, Kundl, Austria
 - PLANNING A CAREER IN PHARMA INDUSTRY - A PERSONAL PERSPECTIVE
 14:00

Short Lectures Organic Chemistry I

- 13:00 OP-31 **F. Glöcklhofer** / TU Wien, Vienna, Austria
 - PREPARATION OF CYANATED AROMATIC COMPOUNDS FROM QUINONES
 13:20
- 13:20 OP-32 **V. Pace** / University of Vienna, Vienna, Austria
 - SYNTHETIC ADVENTURES WITH CARBENOID REAGENTS: A JOURNEY FROM CLASSIC HOMOLOGATIONS TO NEW REACTIVITY CONCEPTS
 13:40
- 13:40 OP-33 **D. Svatunek** / TU Wien, Vienna, Austria
 - THE REACTIVITY OF BIS-TETRAZINES IN BIOORTHOGONAL DIELS-ALDER REACTIONS
 14:00
- 14:00 OP-34 **M. Tiffner** / Johannes Kepler University Linz, Linz, Austria
 - CHIRAL BIFUNCTIONAL AMMONIUM SALTS IN ASYMMETRIC PHASE-TRANSFER REACTIONS
 14:20
- 14:20 OP-35 **M. Mastalir** / TU Wien, Vienna, Austria
 - NON-PRECIOUS METAL PNP COMPLEXES AS EFFICIENT CATALYSTS FOR ACCEPTORLESS DEHYDROGENATION IN ORGANIC SYNTHESIS
 14:40

- 15:00 Coffee Break/Poster/Exhibition
 -
 16:00

Session Jungchemiker

- 16:00 Jungchemiker - Careers in Concept
 -
 17:00

Short Lectures Bioanalytical Chemistry II

- 16:00 OP-7 **G. Toth** / Hungarian Academy of Sciences, Budapest, Hungary
 - PHOSPHOPROTEOMIC ANALYSIS OF MURINE SYNAPTOSOME IN SLEEP DEPRIVATION
 16:20
- 16:20 OP-8 **K. Pelivan** / University of Vienna, Vienna, Austria
 - UNDERSTANDING THE METABOLISM OF THE ANTICANCER DRUG TRIAPINE BY ELECTROCHEMICAL OXIDATION, *IN VITRO* AND *IN VIVO*
 16:40
- 16:40 OP-9 **Ch. Huck** / Leopold-Franzens University Innsbruck, Innsbruck, Austria
 - ADVANCES OF MOLECULAR SPECTROSCOPY IN NATURAL PRODUCT AND BIOANALYTICAL RESEARCH
 17:00

Short Lectures Inorganic Chemistry I

- 16:00 OP-13 **B. Bildstein** / University of Innsbruck, Innsbruck, Austria
 - COBALTOCENYLIDENE - AN ORGANOMETALLIC MESOIONIC CARBENE
 16:20
 16:20 OP-14 **J. Bruns** / Leopold-Franzens University Innsbruck, Innsbruck, Austria
 - VERSATILE OXOANIONS
 16:40
 16:40 OP-15 **U. Monkowius** / Johannes Kepler University Linz, Linz, Austria
 - TUNING THE LUMINESCENCE OF COPPER(I) COMPLEXES
 17:00

Short Lectures Materials I

- 16:00 OP-25 **G. Panzarasa** / Empa Materials Science and Technology, St. Gallen, Switzerland
 - PHOTOCATALYTIC LITHOGRAPHY: PHOTOCATALYSIS-ASSISTED SURFACE PATTERNING
 16:20 AND MICRO-/NANOSTRUCTURATION OF POLYMER BRUSHES AND METAL PARTICLES
 ARRAYS
 16:20 OP-26 **W. Kautek** / University of Vienna, Vienna, Austria
 - LASER ABLATION OF METALS IN LIQUID CONTACT
 16:40
 16:40 OP-27 **P. Dolcet** / University of Padova, Padova, Italy
 - CuS NANOSTRUCTURES FOR PHOTOTHERMAL APPLICATIONS: THE MINIEMULSION
 17:00 ROUTE

Short Lectures Organic Chemistry II

- 16:00 OP-36 **P. Dobrounig** / Graz University of Technology, Graz, Austria
 - SYNTHESIS OF AN AMPHIPHILIC OLIGOARYL-BASED apoA1 MIMETIC
 16:20
 16:20 OP-37 **K. Pallitsch** / University of Vienna, Vienna, Austria
 - A NEW GENERAL STRATEGY FOR THE SYNTHESIS OF PROTEINOGENIC
 16:40 α -AMINOPHOSPHONIC ACIDS OF HIGH ENANTIOMERIC EXCESS
 16:40 OP-38 **N. Sudzukovic** / University of Vienna, Vienna, Austria
 - SYNTHESIS OF SECOLOGANIN ANALOGUES
 17:00

Session PL-3

- 17:00 PL-3 **M. Kovalenko** / ETH Zürich, Zürich, Switzerland
 - NANO- AND LARGE SINGLE CRYSTALS OF LEAD HALIDE PEROVSKITES: FROM BRIGHT
 17:45 LIGHT EMISSION TO GAMMA DETECTION

 17:45 GÖCH 120 Jahre / Chemistry Awards / etc
 -
 19:30
 19:30 Social evening - barbecue
 -
 22:00

Wednesday, 2017-09-27

Session PL-4

- 09:00 PL-4 **C.F.W. Becker** / University of Vienna, Vienna, Austria
 - (SEMI-)SYNTHESIS OF POSTTRANSLATIONALLY MODIFIED PROTEINS
 09:45

Session IL-3

- 09:45 IL-3 **B. Warth** / University of Vienna, Vienna, Austria
 - MASS SPECTROMETRY GUIDED FOOD SAFETY: FROM TARGETED TOWARDS EXPOSOME
 10:30 SCALE ANALYSIS

Session Jungchemiker

- 09:45 Jungchemiker - Workshops
 -
 12:00
 09:45 Jungchemiker - Workshops
 -
 12:00

 10:30 Coffee Break/Poster/Exhibition
 -
 11:00

Short Lectures Catalysis I

- 11:00 OP-52 **C. Fink** / Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne,
 - Switzerland
 11:20 CARBON DIOXIDE AS VERSATILE HYDROGEN STORAGE VECTOR

- 11:20 OP-53 **J. Schachner** / University of Graz, Graz, Austria
 - OXYGEN ATOM TRANSFER CATALYSIS WITH Re AND Mo COMPLEXES. NEW INSIGHTS
 11:40 AND REACTIVITIES
 11:40 OP-54 **S. Salzl** / Johannes Kepler University Linz, Linz, Austria
 - SIMPLE AND REVERSIBLE PHOTOCATALYTIC REDUCTION OF FERREDOXIN IN PURE
 12:00 WATER

Short Lectures Inorganic Chemistry

- 11:00 OP-16 **B.G. Steller** / Graz University of Technology, Graz, Austria
 - DIARYLTIN DIHYDRIDES AS BUILDING BLOCKS FOR FUNCTIONALIZED OLIGOMERS /
 11:20 σ -CONJUGATED MATERIALS
 11:20 OP-17 **Ch.A. Riedl** / University of Vienna, Vienna, Austria
 - C,N-CYCLOMETALATED RUTHENA(II)- AND OSMA(II)CYCLES AS ANTICANCER AGENT
 11:40
 11:40 OP-18 **W. Viertl** / University of Innsbruck, Innsbruck, Austria
 - PREPARATION OF NEW DI-, TRI-, TETRA- AND HEXADENTATE AMINOPHOSPHANES F
 12:00 ARTIFICIAL PHOTOSYNTHESIS

Short Lectures Materials II

- 11:00 OP-28 **M. Maggini** / University of Padova, Padova, Italy
 - MICROFLUIDIC CHEMICAL FUNCTIONALIZATION OF CARBON NANOSTRUCTURES
 11:20
 11:20 OP-29 **S. Baudis** / TU Wien, Vienna, Austria
 - MACROMOLECULAR PHOTOCHEMISTRY: A TOOLBOX TO CONTROL THE MICRO-
 11:40 ENVIRONMENT OF CELLS
 11:40 OP-30 **D. Farka** / Johannes Kepler University Linz, Linz, Austria
 - OVERCOMING DISORDER IN PEDOT: SULPHATE
 12:00

Short Lectures Polymeric Materials

- 11:00 OP-39 **G. Trimmel** / Graz University of Technology, Graz, Austria
 - POLYMERIC LIGHT-UP-CONVERSION MATERIALS PREPARED VIA RING OPENING
 11:20 METATHESIS POLYMERISATION
 11:20 OP-40 **M. Omastová** / Polymer Institute, Bratislava, Slovakia
 - POLYCAPROLACTONE/POLYPYRROLE NANOFIBER MATS FOR BIOENGINEERING
 11:40
 11:40 OP-41 **W. Gngong** / Johannes Kepler University Linz, Linz, Austria
 - PHOSPHAZENE BASED ANTIOXIDANTS FOR POLYOLEFINS
 12:00

12:00 Lunch

-
 13:00

Session Jungchemiker

- 13:00 Jungchemiker - Workshops
 -
 14:20
 13:00 Jungchemiker - Workshops
 -
 14:20

Short Lectures Catalysis II

- 13:00 OP-55 **R. Amoedo** / TU Wien, Vienna, Austria
 - HYDROGENATION USING IRON(II) COMPLEX AND CARBON BASED SILP CATALYSTS
 13:20
 13:20 OP-56 **H. Gruber-Woelfler** / Graz University of Technology, Graz, Austria
 - APPROACHES TO PREPARE MONOLITHIC HONEYCOMB Pd-CATALYSTS FOR SUZUKI-
 13:40 MIYaura REACTIONS IN CONTINUOUS FLOW
 13:40 OP-57 **V. Pramhaas** / TU Wien, Vienna, Austria
 - THICKNESS DEPENDENT ADSORPTION PROPERTIES OF Pt FILMS - CO OXIDATION
 14:00 STUDIED IN SITU BY SFG
 14:00 OP-58 **F. Kollhoff** / Friedrich-Alexander-University Erlangen-Nuremberg, Erlangen,
 Germany
 14:20 ADSORPTION AND THERMALLY INDUCED SELF-METALATION OF CARBOXY-PORPHYRI
 ON METAL OXIDE NANOPARTICLES

Short Lectures Environmental and Analytical Chemistry

- 13:00 OP-42 **P. Robatscher** / Laimburg Research Centre for Agriculture and Forestry, Auer
 Italy
 13:20 3-CHLORO-5-TRIFLUOROMETHYLPYRIDINE-2-CARBOXYLIC ACID (PCA), A METABOLIT
 OF THE FUNGICIDE FLUOPYRAM, CAUSES GROWTH DISTORTIONS IN GRAPEVINES

- OP-43 **M. Oberhuber** / Laimburg Research Centre for Agriculture and Forestry, Auer,
 13:20 Italy
 - IS THE AUTUMNAL PATHWAY OF CHLOROPHYLL BREAKDOWN ALSO RELEVANT FOR
 13:40 PATHOGEN-INDUCED LEAF CHLOROSIS: A STUDY ON PHYTOPLASMA-INFECTED APPL
 (MALUS X DOMESTICA BORKH.) AND APRICOT (PRUNUS ARMENIACA L.) TREES
 13:40 OP-44 **Ch. Plessl** / University of Vienna, Vienna, Austria
 - MERCURY TURNOVER IN DIFFERENT TYPES OF WATERBODIES
 14:00

Short Lectures Nanomaterials

- 13:00 OP-45 **M. Yarema** / ETH Zürich, Zürich, Switzerland
 - QUANTIFYING THE ATOMISTIC AND NANOSCALE STRUCTURE OF GRADED CORE/SHE
 13:20 COLLOIDAL NANOCRYSTALS: THE CASE OF Ag-In-Se/ZnSe
 13:20 OP-46 **S. Gross** / University of Padova, Padova, Italy
 - EXPLORING THE SYNERGY OF MINIEMULSION AND SOLVOTHERMAL CONDITIONS FO
 13:40 THE LOW TEMPERATURE CRYSTALLIZATION OF MAGNETIC LATE TRANSITION METAL
 FERRITE COLLOIDS
 13:40 OP-47 **S. Barth** / TU Wien. Vienna, Austria
 - LOW TEMPERATURE SYNTHESIS OF GERMANIUM NANORODS AND NANOWIRES
 14:00

Short Lectures Porous Materials

- 13:00 OP-48 **H. Maleki** / University of Salzburg, Salzburg, Austria
 - STRUCTURALLY DESIGNED SILICA-SILK FIBROIN HYBRID (BIO) AEROGELS AS
 13:20 BIOMATERIALS: IMPROVED MECHANICAL PROPERTIES PROMOTED BY
 FUNCTIONALIZATION AND HYBRIDIZATION
 13:20 OP-49 **J. Florek** / University of Vienna, Vienna, Austria
 - EFFICIENT HYBRID MESOPOROUS SILICA AND CARBON SORBENTS FOR RARE EARTH
 13:40 RECOVERY
 13:40 OP-50 **Y. Salinas** / Johannes Kepler University Linz, Linz, Austria
 - STIMULI-RESPONSIVE GATED MESOPOROUS SILICA NANOPARTICLES USED FOR
 14:00 CONTROLLED DRUG DELIVERY IN NANOMEDICINE
 14:00 OP-51 **H.W.G. van Herwijnen** / Kompetenzzentrum Holz GmbH, Linz, Austria
 - THE INFLUENCE OF LIGNIN PROPERTIES ON THE PERFORMANCE OF LIGNIN-PHENOL
 14:20 ADHESIVES

Session PL-5

- 14:20 PL-5 **M. Winter** / University of Münster, Münster, Germany
 - THE CONTRIBUTION OF (ELECTRO)-CHEMISTRY TO ELECTRO-MOBILITY AND ENERGY
 15:05 TRANSITION

15:05 Coffee Break/Poster/Exhibition

15:45

Session IL-4

- 15:45 IL-4 **Th. Berger** / University of Salzburg, Salzburg, Austria
 - HYDROGEN-DERIVED ELECTRON CENTERS IN SEMICONDUCTOR OXIDE ELECTRODES
 16:30 PROPERTIES AND FUNCTION

16:30 Poster Awards / Gewinnspiel

16:50

16:50 Greetings - leave-taking

17:00