

13:00 – 13:10 OPENING CEREMONY

*Assoc. Prof. Ing. Jaromír Lederer, Ph.D. | ČSPCH President
Ing. Jaromír Lubojacký, MBA | Program Committee President*

13:10 – 13:25 VIKTOR ETTTEL AWARD

Assoc. Prof. Ing. Jaromír Lederer, CSc. | ČSPCH President

13:25 – 17:30 PLENARY LECTURES

Chairman: Lederer J. | Litvínov

13:25 – 13:45

1. Circular Economy and Applications in the Chemical industry

Ing. Pavlína Kulhánková | Ministry of Industry and Trade of the Czech Republic

13:45 – 14:20

2. Circular Economy from the Perspective of the Historical Development of the Chemical Industry

Prof. Ing. Kamil Wichterle, DrSc. | VSB TU Ostrava

14:20 – 14:55

3. Biomass: Raw Material for Fuels and Chemicals

Prof. Ing. Milan Hronec, Ph.D. | STU Bratislava

14:55 – 15:20 Coffee break

15:20 – 15:55

4. Old and Novel Glycopeptide Antibiotics: From Product to Gene and Back

Prof. Flavia Marinelli | University of Insubria, Varese, Italy

15:55–16:30

5. New Nitrides and Carbides for High Temperature Application

Prof. RNDr. Pavel Šajgalík, DrSc. | Slovak Academy of Sciences, Bratislava

16:30–17:05

6. Diesel's end? – Future Mobility with Batteries and Fuel Cells

Prof. Dr.-Ing. Thomas von Unwerth | TU Chemnitz, Germany

17:05–17:30

7. Current Trends in the Development of Metal Biomaterials for Medicine

Prof. Dr. Ing. Dalibor Vojtěch | UCT Prague

MONDAY, April 15, 2019**FOYER + AURELIUS HALL****18:00 – 22:00 POSTER SESSION, WELCOME DRINK***Chairman: Hanika J. | Prague*

The poster session program can be found on pages 20 – 28.

We ask the authors to be present at their posters at least from 19:00 to 20:00.

The best poster will be awarded in Aurelius Hall at 21:00.

TUESDAY, April 16, 2019**CABERNET HALL****8:05 – 10:10 MATERIAL ENGINEERING***Chairman: Vojtěch D. | Prague***ME1 Plasma Treatment & Surface Modification**8:05 *Hájková P.^{1,2} | ¹Liberec, ²Ústí nad Labem***ME2 Quaternary Titanium Alloys with Tin**8:30 *Hybášek V., Fojt J., Joska L., Málek J., Jablonská E., Průchová E. | Prague***ME3 Development of Bioactive Nanostructured Surfaces with Antibacterial Properties**8:55 *Průchová E., Fojt J., Hybášek V., Joska L. | Prague***ME4 Potentially Biodegradable Zinc Composite with Hydroxyapatite Reinforcement**9:20 *Pinc J., Čapek J., Kubásek J., Průša F., Hybášek V., Veřtát P., Sedlářová I., Vojtěch D. | Prague***ME5 Comparison of the Microstructures of the Magnesium Alloy Mg-4Y-3RE-Zr (WE43) Prepared with Different Methods**9:45 *Křištofová P.¹, Vojtěch D.¹, Paloušek D.², Suchý J.² | ¹Prague, ²Brno*

10:10 – 10:30 Coffee break

10:30 – 12:10 MATERIAL ENGINEERING*Chairman: Vojtěch D. | Prague***ME6 Properties of Biodegradable Mg-RE-Zn Alloys**10:30 *Voňavková I., Dvorský D., Kubásek J., Vojtěch D. | Prague***ME7 Preparation of Brochantite Patina from Cupric Sulphate Solution and Sodium Hydroxide Solution**10:55 *Rak P., Bureš R., Stoulil J. | Prague*

ME8 Sodium Zinc Phosphate Glasses with Titanium

11:20 Chládková M., Holubová J., Černošek Z. | Pardubice

ME9 The Influence of Copper on Zinc-Metaphosphate Glasses

11:45 Chrenová S., Holubová J., Černošek Z. | Pardubice

12:10 – 13:40 Lunch

13:40 – 15:20 MATERIAL ENGINEERING

Chairman: Vojtěch D. | Prague

ME10 Photoinduced Expansion of PbO-Based Heavy Metal Oxide Glasses

13:40 Smolík J., Knotek P., Kutálek P., Schwarz J., Černošková E. | Pardubice

ME11 Advanced High-Strength Steel Used for Car Body Construction14:05 Kučera V.¹, Petr-Soini J.², Pílvousek T.², Vojtěch D.¹ | ¹Prague, ²Mladá Boleslav**ME12 Study on Microstructure and Possible „Self-Healing“ Properties of Rapidly Solidified AlCa₅ Alloy**

14:30 Michalčová A., Ludvík J., Knaislová A., Kačenka Z. | Prague

ME13 Tribological Properties of Intermetallic Materials Based on Fe-Al-Si

14:55 Nová K., Novák P., Průša F. | Prague

15:20 – 15:40 Coffee break

15:40 – 17:45 MATERIAL ENGINEERING

Chairman: Vojtěch D. | Prague

ME14 Vlastnosti slitin Fe-Al-Si-X-Y (X, Y=Ni, Mo) připravených mechanickým legováním a slinováním v plazmatu

15:40 Průša F., Proshchenko O., Školáková A. | Prague

ME15 Příprava a vlastnosti slitin s vysokou entropií na bázi CoCrFeNiX

16:05 Veselka Z., Průša F., Šenková A., Školáková A., Salvetr P., Vojtěch D. | Prague

ME16 Preparation and Properties of Metakaolinite Based Geopolymer Binders with High Bulk Density

16:30 Kohout J. | Ústí nad Labem

ME17 Preparation of Belitic Cement with High Content of β-belite and Properties of Mortar on Its Base

16:55 Soukup A., Koutník P. | Ústí nad Labem

ME18 Treatment of Copper Surface for Artificial Patination

17:20 Bureš R., Rak P., Stoužil J., Fojt J. | Prague

8:05 – 10:10 BIOTECHNOLOGY*Chairmen: Patáková P., Branská B. | Prague***B11 Gene Ontology Annotation of *Clostridium Beijerinckii* NRRL B-598 Genome***8:05 Sedlar K.¹, Gruber M.², Branska B.³, Csaba G.², Zimmer R.², Patakova P.³, Provaznik I.¹ | ¹Brno, CZ, ²Munich, DE, ³Prague, CZ***B12 Flow Cytometry for Better Understanding of Industrially Relevant Sporulating Bacteria***8:30 Branska B.¹, Sedlar K.², Vasylikivska M.¹, Jureckova K.², Patakova P.¹ | ¹Prague, ²Brno***B13 *Clostridium Beijerinckii* NRRL B-598 and *Clostridium Diolis* DSM 15410 – Closely Related Strains?***8:55 Vasylikivska M., Král A., Patáková P. | Prague***B14 Products Characterization of Bacterial Strains Encoding the Biosynthesis of Alkylprolin Derivatives***9:20 Brázdrová L., Kameník Z., Kadlčík S., Janata J. | Prague***B15 Staphylococcal Virulence and Methods for Its Determination***9:45 Kašparová P., Mařátková O. | Prague**10:10 – 10:30 Coffee break***10:30 – 12:10 BIOTECHNOLOGY***Chairmen: Patáková P., Branská B. | Prague***B16 Acidic Hydrolysis of Waste Feather Biomass – Process Scale-Up***10:30 Hanika J., Rouskova M., Solcova O., Sabata S., Jiru M., Hurkova K. | Prague***B17 Biorefineries Side-Streams for the Recovery of Proteins and Other Bioactive Compounds***10:55 Repický A., Ondřejíčková P., Holičková M., Červeň I. | Leopoldov, SK***B18 Selection of Bacterial Strain for Lactic Acid Production from Straw Hydrolysate***11:20 Drahokoupil M., Šíp M., Patáková P. | Prague***B19 Impact of Growth Conditions on *Camelina Sativa* Varieties and Research of „Camelina Oil – Biofuels Production“ Value Chain***11:45 Ondřejíčková P.¹, Holičková M.¹, Hozlár P.², Hájeková E.³, Joríková L.⁴, Červeň I.⁵ | ^{1,5}Leopoldov, SK, ²Detva, SK, ^{3,4}Bratislava, SK*

12:10 – 13:40 Lunch

13:40 – 15:20 BIOTECHNOLOGY

Chairmen: Patáková P., Branská B. | Prague

BI10 Kinetic Model for Aromatic Compounds Formation during Wine Fermentation

13:40 *Báleš V., Timár P., Furdíková K. | Bratislava, SK*

BI11 Bioproduction of Phenylacetaldehyde from L-Phenylalanine in Hybrid System Consisted of Two Membrane Bioreactors

14:05 *Mihal' M., Červeňanský I., Markoš J. | Bratislava, SK*

BI12 Catalysts Development for the Dehydration of Bioethanol to Ethylene in a Continuous Flow Micro-Reactor

14:30 *Vondrová P., Tišler Z., De Paz Carmona H. | Ústí nad Labem*

BI13 Biosynthesis of Nanoparticles Using Microorganisms

14:55 *Koukalová M., Čejková A., Ulbrich P. | Prague*

15:20 – 15:40 Coffee break

15:40 – 17:20 CHEMICAL PROCESSES AND DEVICES

Chairman: Jirout T. | Prague

CP01 Assessment of 2-Phenyl Acetate Production Feasibility Using the Reactive Distillation Concept

15:40 *Šulgan B., Labovská Z., Markoš J. | Bratislava, SK*

CP02 Modelling of a Complex Industrial Cooling Water Pipeline Network

16:05 *Véghová L., Béreš M., Variny M., Margetíny T., Mierka O. | Bratislava, SK*

CP03 Visualization of Combustion Species in Gaseous Mixtures

16:30 *Mulenko M., Kouba J., Skočilas J. | Prague*

CP04 Machines and Apparatuses for CCU Technologies: A Current Technical Maturity and Future Perceptivity

16:55 *Krátký L., Bělohav V., Žáková T., Ronzon R., Jirout T. | Prague*

17:20 – 17:45 SECURE MANAGEMENT PROCESSES, ACCIDENTS PREVENTION*Chairman: Babinec F. | Brno***SP1 Study on Gas Leakages through Flange Connection Systems for Fast Gas-Cooled Reactor (GFR)***17:20 Tenkrát D., Staf M., Hlinčík T. | Prague***TUESDAY, April 16, 2019****PÁLAVA HALL****8:30 – 10:10 PETROCHEMICALS AND ORGANIC TECHNOLOGY***Chairman: Zámostný P. | Prague***PT1 Publishing and Patenting in Chemistry – What Next?***8:30 Hrdina R., Burgert L. | Pardubice***PT2 Catalysts Containing – SO₃H Functional Groups for the Direct Hydration of Dihydromyrcene***8:55 Sekerová L., Šimáčková D., Vyskočilová E., Červený L. | Prague***PT3 Copper-Based Catalysts in Dimethyl Adipate Hydrogenolysis***9:20 Aubrecht J.¹, Pospelova V.¹, Kikhryanin O.², Kubička D.^{1,2} | ¹Prague, ²Kralupy nad Vltavou***PT4 Residue Hydrocracking Temperature Control System Upgrade – From Design to Industrial Application***9:45 Bartoš M., Janošovský J., Labovský J., Jelemenský L. | Bratislava, SK**10:10 – 10:30 Coffee break***10:30 – 12:10 PETROCHEMICALS AND ORGANIC TECHNOLOGY***Chairman: Zámostný P. | Prague***PT5 Stability Tests of CuZnAl Catalysts in Dimethyl Adipate Hydrogenolysis under Continuous-Flow Conditions***10:30 Pospelova V.¹, Aubrecht J.¹, Kikhryanin O.², Kubička D.^{1,2} | ¹Prague, ²Kralupy nad Vltavou***PT6 Selective Hydrogenation of C6 Dienic Compounds Using Homogeneous Cp*- Ruthenium (II) Catalyst***10:55 Kotova M., Vyskočilová E., Červený L. | Prague***PT7 Process for the Production of 2,2'-bis (Hydroxymethyl) Butanoic Acid***11:20 Peterková J., Baďura V., Žiak L., Harandza J., Grolmus P. | Prievidza, SK*

PT8 Preparation and Properties of "Perylene Dyes"

11:45 Alafid F., Hrdina R., Burgert L. | Pardubice

12:10 – 13:40 Lunch

13:40 – 15:20 OIL, GAS, COAL, FUEL, BIOFUELSChairmen: Kittel H.¹, Mikulec J.² | ¹Prague, ²Hradec Králové**OIL1 Strategic Challenges Ahead for Current Oil Refineries**

13:40 Kittel H. | Prague

OIL2 The Long-Term Catalytic Performance of Mixed Oxides in Fixed-Bed Reactors in Transesterification14:05 Hájek M.¹, Vávra A.¹, Kocík J.², Frolich K.¹ | ¹Pardubice, ²Litvínov-Záluží**OIL3 Influence of Different Precursors on Activity of Mg-Fe Mixed Oxides in Transesterification**14:30 Kocík J.¹, Vávra A.², Hájek M.², Frolich K.² | ¹Litvínov-Záluží, ²Pardubice**OIL4 Accelerated Deactivation of Co-Mo and Ni-W Catalysts**14:55 Matoušek L.¹, Vráblík A.¹, Blažek J.², Černý R.¹ | ¹Litvínov, ²Prague

15:20 – 15:40 Coffee break

15:40 – 18:10 OIL, GAS, COAL, FUEL, BIOFUELSChairmen: Kittel H.¹, Mikulec J.² | ¹Prague, ²Hradec Králové**OIL5 Sulfur-Free Supported Carbide Catalysts for the Hydrotreatment of Gasoil and Its Blends with Rapeseed Oil**

15:40 De Paz Carmona H., Tišler Z., Akhmetzyanova U., Vondrová P. | Ústí nad Labem

OIL6 The Activity of Ni-Based Catalysts for Hydrotreating of Rapeseed Oil

16:05 Váchová V., Straka P. | Prague

OIL7 Hydrocracking of Primary Fischer-Tropsch Products

16:30 Pleyer O., Šimáček P., Straka P. | Prague

OIL8 The Influence of Condensation Temperature on the Properties and Composition of Miscanthus Bio-Oil16:55 Auersvald M.¹, Schulzke T.², Staš M.¹ | ¹Prague, ²Oberhausen, DE**OIL9 Advanced Analytical Techniques for the Chemical Characterization of Conventional Fuels and Biofuels**

17:20 Staš M. | Prague

OIL10 Development of the Equipment for the Storage of Compressed Natural Gas in Containers Filled with Solid Adsorbents

17:45 Navrátilová T., Cíahotný K. | Prague

TUESDAY, April 16, 2019

FRANKOVKA HALL

8:30 – 12:10 CONFERENCE OF CTP SUSCHEM

Circular Economy with Focus on Chemical Cycling

Předsedající: Novák L. | Prague

CE1 Circular Economy from the Point of View of the Czech Technology Platforms

Novák L. | SUSCHEM, PLASTY

CE2 Circular Economy from the Point of View Ministry of Industry and Trade

Kulhánková P. | Ministry of Industry and Trade of the Czech Republic

CE3 Chemická recyklace plastů z pohledu PlasticsEurope and Cefic

Reiss J. | PLASTY

CE4 Chemical Cycling at BASF

Dvořák F. | BASF CZ

CE5 Chemical Cycling in UniCRE

Svoboda F. | UniCRE

CE6 Recycling technology ERVO Envitech

Martínek J. | ERVO Envitech

Projekt

TECHNOLOGICKÁ PLATFORMA PLASTY II

Je spolufinancován Evropskou unií.

Hlavním cílem projektu je zajistit udržitelný rozvoj plastikařského průmyslu s využitím moderních a ekologicky vhodných technologií s ohledem na aktuální a připravovaný vývoj legislativy a na aktuální trendy v ekonomice, zejména na cirkulární ekonomiku.

Projekt

TECHNOLOGICKÁ PLATFORMA PRO TRVALE UDRŽITELNOU CHEMII III

Je spolufinancován Evropskou unií.

Hlavním cílem projektu je zajistit udržitelnost chemického průmyslu v oborech s vysokou přidanou hodnotou s využitím moderních technologií s ohledem na aktuální a připravovaný vývoj legislativy a na aktuální trendy v ekonomice - cirkulární ekonomiku.



EVROPSKÁ UNIE
Evropský fond pro regionální rozvoj
OP Podnikání a inovace pro konkurenceschopnost



MINISTERSTVO
PRŮMYSLU A OBCHODU



EVROPSKÁ UNIE
Evropský fond pro regionální rozvoj
OP Podnikání a inovace pro konkurenceschopnost



MINISTERSTVO
PRŮMYSLU A OBCHODU

10:10 – 10:30 Coffee break

12:10 – 13:40 Lunch

13:40 – 15:20 PHARMACEUTICAL TECHNOLOGY*Chairman: Kratochvíl B. | Prague***PH1 Manufacture of Nicergoline – A Good Example for More General Considerations***13:40 Cvak L. | Opava***PH2 The Effect of the Crystallization of Heterocyclic Compounds on the Physicochemical Properties of the Solid Phase***14:05 Gabriel R. | Opava***PH3 Cleaning Validation of Microfluidizer in Manufacturing of Mometasone Furoate Nasal Spray***14:30 Benčo T. | Opava***PH4 Surface Properties of Fluticasone Propionate API – Heterogeneity of Total Surface Energy and Its Effect on Macroscopic Behavior and Dispersion Behavior***14:55 Recman L.¹ Skoláková T.² Patera J.² Zamostný P.² | ¹Opava, ²Prague**15:20 – 15:40 Coffee break***15:40 – 17:45 PHARMACEUTICAL TECHNOLOGY***Chairman: Kratochvíl B. | Prague***PH5 Modern Ways of Contactless Marking of Solid Dosage Forms by Using Laser with Minimal Thermal Effect***15:40 Martinek V., Vrána A. | Opava***PH6 Prediction of Phase Equilibria in Complex Systems***16:05 Klajmon M., Řehák K., Morávek P. | Prague***PH7 Release Kinetics of Tramadol Hydrochloride from Matrices Containing Mixture of Biopolymers – Alginate and Chitosane***16:30 Matzick K., Slezáková B., Komersová A., Locháň V. | Pardubice***PH8 Chemical Interactions in Solid State: Changes in Behaviour of Matrix Tablets Due to the Chemical Interactions of Individual Components***16:55 Romanová J.¹, Komersová A.¹, Svoboda R.¹, Pekárek T.² | ¹Pardubice, ²Prague***PH9 Prediction of Drug-Carrier Compatibility – Application of Inverse Gas Chromatography***17:20 Školáková T., Zámstný P. | Prague*

8:30 – 10:10 ECONOMY OF CHEMICAL INDUSTRY*Chairman: Souček I. | Prague***EC11 Vývoj chemického průmyslu v Evropě 2017–2018***8:30 Souček I. | Prague***EC12 Výzkumná infrastruktura ENREGAT umožňující přenos dat z laboratorního do poloprovozního měřítka***8:55 Grycová B., Obalová L. | Ostrava***EC13 Valuing the Innovation Potential of New Technology***9:20 Vlachý J. | Prague***EC14 Spotřebitelské chování na trhu s chlebem***9:45 Kutnohorská O., Strachotová D. | Prague**10:10 – 10:30 Coffee break***10:30 – 11:20 ECONOMY OF CHEMICAL INDUSTRY***Chairman: Souček I. | Prague***EC15 Lean Management Tools in Industrial Practise***10:30 Strachotová D., Kutnohorská O., Botek M. | Prague***C1 Inline Monitoring of Water Content in Naphtha Fractions by NIR Spectroscopy (Process Application Note AN-PAN-1047)***10:55 Libánský M., Zmeškal Z. | Metrohm Česká Republika s.r.o, Prague, Czech Republic**12:10 – 13:40 Lunch***13:40 – 15:20 POLYMERS, COMPOSITES***Chairman: Kalenda P. | Pardubice***PC1 Vanadyl Complexes Accelerating Autoxidation Process of Solvent-Borne Alkyd Resins***13:40 Machálková, A., Charamzová I., Vinklárek J., Honzíček J. | Pardubice***PC2 Oxo-Vanadium Complexes of Dithiocarbamates as an Alternative Driers for Alkyd Resins***14:05 Charamzová I., Honzíček J., Vinklárek J. | Pardubice*

PC3 The Influence of Surface Treatment and Activation of Thin Film Composite Membranes with Plasma Discharge and Determination of Their Physicochemical Properties

14:30 Slepíčka P.¹, Setničková K.², Petrusová Z.², Slepíčková-Kasálková N¹, Kolská Z.³, Siegel J.¹, Jansen J.C.⁴, Esposito E.⁴, Fuoco A.⁴, Švorčík V.¹, Izák P.² | ^{1,2}Prague, ³Ústí nad Labem, CZ, ⁴Rende, I

PC4 Composite Materials with Inorganic Matrix

14:55 Haincová E.¹, Hájková P.¹, Čmelík J.¹, Krystek J.² | ¹Ústí nad Labem, ²Pižeň

15:20 – 15:40 Coffee break

15:40 – 17:20 POLYMERS, COMPOSITES

Chairman: Kalenda P. | Pardubice

PC5 Preparation of Sorbent on The Base of 8-Hydroxy-Quinoline

15:40 Skálová H., Jelínek L. | Prague

PC6 Porous Polymeric Mass with Controlled Properties

16:05 Pokorný J.¹, Motyčková J.¹, Riedelová K.¹, Sedlářová I.², Blažek Z.³, Hisem P.⁴ | ¹Kralupy nad Vltavou, ²Prague, ³Svitavy, ⁴Liberec

PC7 Mixed-Matrix Membrane Microstructure under the Spotlight: FIB-SEM Tomography Approach

16:30 Veselý M., Diblíková P., Sysel P., Čapek P. | Prague

PC8 Critical Parameters in Preparation of Sedimentation-Free Mixed-Matrix Membranes Based on 6FDA-ODA Polyimide and Silicalite-1

16:55 Diblíková P., Sysel P., Čapek P. | Prague

8:30 – 10:35 INORGANIC TECHNOLOGY*Chairman: Bouzek K. | Prague***IT1 Composite Photocatalysts Based on Active Carbon and TiO₂ for Air Treatment***8:30 Baudys M., Neumann Spallart M., Krýsa J. | Prague***IT2 Production of ASN Fertilizer from Sulphuric Acid***8:55 Foltinovič T., Štrbová Z., Lencsés M., Štefancová R., Lencsés L., Kučera M. | Bratislava, SK***IT3 Thermal Decomposition of Mixed Carbonates/Oxalates for Preperation of Perovskite Compounds***9:20 Bělina P.¹, Sádovská G.^{1,2}, Dohnalová Ž.¹, Šulcová P.¹ | ¹Pardubice, ²Prague***IT4 Kinetics of Oxygen Electrode Reactions in Solid Oxide Cell***9:45 Carda M., Budáč D., Paidar M., Bouzek K. | Prague***IT5 Nanocrystalline Fe₆₀Co₂₀Si₁₀B₁₀ As a Cathode Catalyst for Alkaline Water Electrolysis: Impact of Surface Activation***10:10 Ďurovič M.¹, Hnát J.¹, Müller C. I.², Rauscher T.³, Röntzsch L.², Bouzek K.¹ | ¹Prague, ^{2,3}Dresden**10:35 – 10:55 Coffee break***10:55 – 11:45 INORGANIC TECHNOLOGY***Chairman: Bouzek K. | Prague***IT6 Development and Characterisation of the Advanced Alakline Water Electrolysis Stack Based on Zero-Gap Approach***10:55 Hnát J., Denk K., Paidar M., Bouzek K. | Prague***IT7 Impact of the Hot-Press Process on the PEM Fuel Cell MEA Based on Catalyst Coated Membrane and Catalyst Coated Electrodes***11:20 Mališ J., Marková V., Paidar M., Bouzek K. | Prague**12:00 – 14:00 Lunch*

8:30 – 10:35 WASTE PROCESSING, AIR AND WATER PROTECTION, TECHNOLOGIES FOR THE DECONTAMINATION OF SOILS

Chairmen: Obalová L.¹, Slezák M.² | ¹Ostrava, ²Pardubice

WP1 Spent Pickling Acid and Waste Water Regeneration Based on Diffusion Dialysis

8:30 Čuboň T., Mec K., Váňa P. | Frýdek–Místek

WP2 Decolourization of Wastewater from the Production and Application of Acid Green 25

8:55 Dušek L. | Pardubice

WP3 Geochemical Evolution of Mine Waters on the Closed Deposit Kaňk at Kutna Hora

9:20 Kovačová J., Zeman J., | Brno

WP4 Iteraction of Ferrates(VI) with Bacteria from Natural Sources

9:45 Kubiňáková E., Fašková A., Híveš J. | Bratislava, SK

WP5 The Importance of Solid Phase Characteristics for Metal/Metalloid (Phyto) Stabilisation in Soils

10:10 Vítková M., Mitzia A., Komárek M. | Prague

10:35 – 10:55 Coffee break

10:55 – 12:10 WASTE PROCESSING, AIR AND WATER PROTECTION, TECHNOLOGIES FOR THE DECONTAMINATION OF SOILS

Chairmen: Obalová L.¹, Slezák M.² | ¹Ostrava, ²Pardubice

WP6 Testování podmínek regenerace/reaktivace vodárenského aktivního uhlí

10:55 Šváb M.¹, Švábová M.², Štěpánová B.¹ | ¹Stehelčevy, ²Prague

WP7 A Possible Methods for CO₂ Emissions Capture by Using Coal Ashes

11:20 Miklova B., Staf M. | Prague

WP8 Mechanisms of Antimonate Sorption onto Layered Double Hydroxides

11:45 Hudcová B.¹, Erben M.², Vítková M.¹, Komárek M.¹ | ¹Prague, ²Pardubice

12:00 – 14:00 Lunch

8:30 – 10:35 OIL, GAS, COAL, FUEL, BIOFUELS*Chairmen: Kittel H.¹, Mikulec J.² | ¹Prague, ²Hradec Králové***OIL11 LSC Optimization for Group Type Analysis of High Boiling Petroleum Fractions with High Content of Paraffinic Hydrocarbons***8:30 Kroufek J., Šebor G. | Prague***OIL12 Analysis of Bio-Oil Aqueous Phase***8:55 Kejla L., Auersvald M. | Prague***OIL13 Direct Coal Liquefaction Liquid Yield Improvement by Using Light LCO Distilled Fraction***9:20 Hidalgo J.M.¹, Fratzczak J.¹, Vráblík A.¹, Anděl L.², Kusý J.², Pinto F.³, Snape C.E.⁴, Gómez J.L.⁵ | ¹Litvínov-Záluží, CZ, ²Most, CZ, ³Lisboa, P, ⁴Nottingham, UK, ⁵Madrid, ES***OIL14 Processing of Plastic Depolymerizates by Heterogeneous Catalysis***9:45 Hric L.¹, Wenchich Š.¹, Végh Z.¹, Muntágová Ľ.¹, Kučera M.¹, Kevický G.¹, Hudec P.² | ^{1,2}Bratislava, SK***OIL15 Methane Influence on Catalytic Hydrogenation of Carbon Dioxide***10:10 Kulas J.^{1,2}, Polák L.¹, Hlinčík T.² | ¹Husinec – Řež, ²Prague**10:35 – 10:55 Coffee break***10:55 – 12:10 OIL, GAS, COAL, FUEL, BIOFUELS***Chairmen: Kittel H.¹, Mikulec J.² | ¹Prague, ²Hradec Králové***OIL16 Influence of Temperature on the Properties of the Boehmite Used in the Methanation Reaction***10:55 Šnajdrová V., Kyselová V., Tenkrát D., Hlinčík T. | Prague***OIL17 Influence of a Low Pressure during Catalytic Methanation by Nickel Based Catalyst***11:20 Vondráková K., Šnajdrová V., Kyselová V., Hlinčík T. | Prague***OIL18 Utilization of PCA for Analysis of Fossil-Based and Alternative Fuels***11:45 Vrtiška D. | Prague**12:00 – 14:00 Lunch*