

Monday May 21

Transport from Prague Airport Terminal 2 to Český Krumlov

12:00 Bus 1

15:00 Bus 2

19:00 Welcome Party – Restaurant DEPO

Tuesday May 22

8:50-9:00

Opening and Introduction

Chair: Barbara Gil

9:00-9:45

PL01

POLYOLIGOSILOXYSILANES (POSIILS): A NEW CLASS OF PERIODIC MATERIALS COMBINING PROPERTIES OF ZEOLITES AND SILICONES

Martens J., Smet S., Kirschhock C., Breynaert E., Taulelle F.

9:45-10:05

Op01

FLUORIDE ETCHING OF ZEOLITES IN ADVANCED CATALYST MAKING

Přech J., Batalha N., Gu B., El Fallah J., Mazur M., Khodakov A.Y., Ordonsky V.V., Gilson J.-P., Valtchev V.,

10:05-10:25

Op02

HIERARCHICAL ZEOLITES BY CRYSTALLIZATION OF SILANIZED PROTOZEOLITIC UNITS: UNDERSTANDING THE ROLE OF SILANES

Alonso M., Peral Á., Sanz R., Serrano D.P.

10:25-11:00

Coffee Break & Posters

Chair: Martin Hartmann

11:00-11:45

PL02

CATALYSIS WITH CARBON DIOXIDE IN THE OXYGEN DEMANDING REACTIONS
Park S.-E.

11:45-12:05

Op03

DESIGN OF HIGHLY ACTIVE TITANOSILICATE CATALYST BASED ON NOVEL LAYERED SILICATE HUS-7

Tsunoji N., Opanasenko M.V., Kubů M., Čejka J., Sadakane M., Sano T.

12:15-14:00

Lunch – Restaurant DEPO

Chair: Michal Mazur

14:00-14:45

PL03

ASSESSING THE TEXTURE OF POROUS MATERIALS USING ADSORPTION AND POROSIMETRY

Kenvin J.

14:45-15:05

Op04

SUITABLE GAS PROBE (N₂ OR Ar) FOR CHARACTERIZATION OF ZEOLITE PORE SIZE DISTRIBUTION

Nakai K., Funahashi T., Shigeoka T., Tanaka H., Miyahara M.T.

15:05-15:25

Op05

TEMPERATURE DEPENDENCE OF CO ADSORPTION IN H-FER ZEOLITE: COMBINED THEORETICAL AND EXPERIMENTAL INVESTIGATION

Rubeš M., Trachta M., Koudelková E., Bulánek R., Bludský O.

15:25-15:45

Op06

SYNTHESIS OF NEW MWW LAYERED ZEOLITES USING BIFUNCTIONAL SURFACTANT TEMPLATES

Grzybek J., Korzeniowska A., Roth W.J., Gil B., Mazur M., Čejka J.

15:45-16:15

Coffee Break & Posters

16:15-16:45	KN	Chair: Wieslav J. Roth HOW STABLE ARE ZEOLITES IN WATER? Grajciar L., Heard C.J., Nachtigall P.
16:45-17:05	Op07	THE PURSUIT OF NEW ZEOLITES – ADOR APPROACH Mazur M., Eliášová P., Kasneryk V., Shamzhy M., Opanasenko M., Kubů M., Wheatley P.S., Roth W.J., Nachtigall P., Čejka J.
17:05-17:25	Op08	THE ADOR APPROACH UNDER SOLVENT FREE CONDITIONS: SYNTHESIS OF IPC-18 ZEOLITE Kasneryk V., Opanasenko M., Shamzhy M., Mazur M., Čejka J.
17:25-17:45	Op09	UNRAVELLING THE ADOR MECHANISM OF Ge-UTL THROUGH EX SITU POWDER X-RAY DIFFRACTION AND SOLID STATE NMR Henkelis S.E. , Mazur M., Rice C.M., Bignami G.P.M., Dawson D.M., Wheatley P.S., Ashbrook S.E., Morris R.E.
17:45-18:05	Op10	ISOMORPHOUS INCORPORATION OF ALUMINUM INTO ISORETICULAR ZEOLITES: PORE SIZE EFFECT ON CATALYTIC ACTIVITY Zhou Y. , Opanasenko M., Chen H., Yue Q.

19:00 *Free Evening*

Wednesday May 23

9:00-9:45	PL04	Chair: Maksym Opanasenko SYNTHESIS OF FUNCTIONAL MESOPOROUS NANOSPHERES WITH MULTI-LEVEL ARCHITECTURES Zhao D.
9:45-10:05	Op11	COMPARATIVE STUDY ON ZEOLITE AND AMORPHOUS SILICA-ALUMINA COMPOSITE AS ACIDS FOR STEAM REFORMING OF DME Liu Z.W.
10:05-10:25	Op12	SYNTHESIS OF MFI/W-V-O AS BIFUNCTIONAL CATALYST TOWARD OXIDEHYDRATION OF GLYCEROL INTO ACRYLIC ACID Suganuma S. , Taruya K., Tsuji E., Katada N.
10:25-11:00		Coffee Break
11:00-11:20	Op13	Chair: Domenico Caputo CERIA-MODIFIED MCM-68 AS AN EFFICIENT CATALYST FOR THE PRODUCTION OF LIGHT OLEFINS Han Q. , Enoda K., Inagaki S.-E., Kubota Y.
11:20-11:40	Op14	CATALYTIC TRANSFER HYDROGENATION OF BIO-BASED ALDEHYDE TO KETONES OVER MOFS Valekar A.H., Hong D.-Y., Cha K.-H., Cho K.-H., Chang J.-S., Hwang Y.K.
11:40-12:00	Op15	CHROMIUM-BASED MIL-101 METAL ORGANIC FRAMEWORK AS A FULLY REGENERABLE ADSORBENT FOR SILOXANES Gargiulo N. , Peluso A., Aprea P., Cimino S., Lisi L., Caputo D.

12:15-13:45 *Lunch – Restaurant DEPO*

14:00 *RAFTING (Free Afternoon + Free Evening)*

Thursday May 24

Chair: Petr Nachtigall

- 9:00-9:45 PL05 AEROBIC OXIDATIONS PROMOTED BY METAL ORGANIC FRAMEWORKS
Garcia H.
- 9:45-10:05 Op16 SELECTIVE SYNTHESIS OF CAMPHOLENIC ALDEHYDE OVER MWW CATALYSTS
Štekrová M., Kubů M., Shamzhy M.
- 10:05-10:25 Op17 FTIR STUDIES ON PROPENE ADSORPTION ON MFI ZEOLITE: EVIDENCE OF DUAL-CATION SITES
de O.Ramos F.S., Koudelková E., Bulánek R.

10:25-11:00

Coffee Break & Posters

Chair: Jan Přeč

- 11:00-11:20 Op18 LACK OF STABLE HYDROXYL NESTS IN ACID DEALUMINATED Y ZEOLITES
Halasz I.
- 11:20-11:40 Op19 IRON-MOF AS A THERANOSTICS FOR LOCAL TUBERCULOSIS THERAPY
Gil B., Wyszogrodzka G., Dorożyński P., Roth W.J., Strzempek M., Marszałek B., Węglarz W.P., Menaszek E., Strzempek W., Kulinowski P.
- 11:40-12:00 Op20 NANOPOROUS SILICA AS AN ADVANCED DRUG DELIVERY SYSTEM
Zeleňák V.

12:15-14:00

Lunch – Restaurant DEPO

Chair: Sang-Eon Park

- 14:00-14:45 PL06 HIERARCHICAL ZEOLITES: PREPARATION CONCEPTS AND NEW DEVELOPMENTS
Schwieger W., Inayat A., Machoke A., Weißenberger T., Hartmann M.
- 14:45-15:05 Op21 SUPPORTING METAL PHOSPHIDES ON HIERARCHICAL ZEOLITES: STRUCTURAL IMPACT AND ITS CORRELATION WITH HDO PERFORMANCE
Berenguer A., Ochoa-Hernández C., Linares M., Moreno I., Coronado J.M., Serrano D.P., Pizarro P.
- 15:05-15:25 Op22 HIERARCHICAL MTW ZEOLITE IN TETRAHYDROPYRANYLATION OF ALCOHOLS
Veselý O., Pang H., Opanasenko M., Eliášová P.
- 15:25-15:45 Op23 INFLUENCE OF ACCESSIBILITY IN ZSM-5 ZEOLITE ON THE AROMATICS PRODUCTION VIA CATALYTIC CO-PYROLYSIS OF LIGNOCELLULOSE AND PLASTIC WASTES
Jiménez S., Peral A., Coronado J.M., Pizarro P., Serrano D.P.

15:45-16:15

Coffee Break & Posters

Chair: Rosa Maria Martín-Aranda

- 16:15-16:35 Op24 AMINE-CONTAINING NANOPOROUS MATERIALS FOR ACID GAS REMOVAL
Sayari A.
- 16:35-16:55 Op25 DESIGN OF PLASMONIC CATALYSTS FOR EFFICIENT H₂ PRODUCTION FROM HYDROGEN CARRIER MOLECULES
Yamashita H., Wen M., Verma P., Yin H., Cheng H., Kuwahara Y., Mori K.
- 16:55-17:15 Op26 SYNTHESIS OF COBALT NANOPARTICLES TEMPLATED CARBON-SUPPORTED PALLADIUM-COBALT BIMETALLIC CATALYSTS FOR SELECTIVE HYDROGENATION
Yoshii T., Nakatsuka K., Kuwahara Y., Mori K., Yamashita H.

17:15-17:35	Op27	DEVELOPMENT OF METAL ALLOY SUPPORTED AMINE FUNCTIONALIZED MESOPOROUS CARBON CATALYST FOR EFFICIENT DECOMPOSITION AND PRODUCTION OF FORMIC ACID Masuda S. , Mori K., Yamashita H.
17:35-17:45		<i>Closing Remarks</i>
19:00		<i>Banquet – Hotel Růže</i>

Friday May 25

Transport from Český Krumlov to Prague Airport Terminal 2

8:00	Bus 1
9:00	Bus 2

POSTERS

- Po01 MESOPOROUS SILICA FROM FLY ASH FOR ENVIRONMENTAL APPLICATIONS: CO₂ CAPTURE AND RARE EARTH METAL IONS RECOVERY
Zhang S., Ravi S., Lee Y.-R., Ahn J.-W., Ahn W.-S.
- Po02 FORMATION OF FER ZEOLITE NANOSHEETS BY ENHANCED ANISOTROPIC CRYSTAL GROWTH
Tsunoji N., **Enokawa K.**, Yamasaki Y.-R., Sadakane M., Sano T.
- Po03 RADICAL-FACILITATED GREEN SYNTHESIS OF HIGHLY ORDERED MESOPOROUS SILICA MATERIALS
Feng G., Wang J., Yu J.
- Po04 SMALL MESOPOROUS ORGANOSILICA NANOPARTICLES WITH BENZENE FUNCTIONALITIES: SYNTHESIS AND CHARACTERIZATION
Fürtauer S., Florek J., Kleitz F.
- Po05 INSIGHT TO INTERMEDIATE SPECIES FORMATION DURING ETHANOL SORPTION IN 10-RING ZEOLITES
Gołabek K., Tarach K.A., Góra-Marek K.
- Po06 ZEOLITE FEATURES FORCED LOSS OF AROMATICITY OF METHYLATED BENZENES
Gołabek K., Tarach K.A., **Góra-Marek K.**
- Po07 SYNTHESIS OF POLYETHYLENEIMINE-MODIFIED TITANATE NANOTUBES FOR CO₂ CAPTURE AND SEPARATION UNDER FLUE GAS CONDITION
Heo Y.-J., Seong D.B., Park S.-J.
- Po08 DEHYDROAROMATIZATION OF METHANE WITH SHORT OXYGENATES OVER Mo/HZSM-5 CATALYST
Hong D.-Y., Cha G.-Y., Hwang Y.-K.
- Po09 MODELLING THE HYDROLYSIS OF (GERMANO)SILICATE ZEOLITE UTL
Jin M., Hou D., Liu M., Nachtigall P.
- Po10 EFFECT OF CALCINATION TEMPERATURE ON THE CATALYTIC ACTIVITY OF Ni-Ce_{0.6}Zr_{0.4}O₂ CATALYSTS FOR BIODIESEL PRODUCTION VIA DEOXYGENATION OF OLEIC ACID
Cho J.-W., Jeon K.-W., Shim J.-O., Jang W.-J., Na H.-S., Kim H.-M., Lee Y.-L., Yoo S.-Y., Ahn S.-Y., Kim K.-J.

- Po11 PHOTOCATALYTIC HYDROGEN PEROXIDE PRODUCTION UTILIZING A NICKEL OXIDE-DEPOSITED METAL-ORGANIC FRAMEWORK
Isaka Y., Kondo Y., Kuwahara Y., Mori K., Yamashita H.
- Po12 OPTIMIZATION OF CeO₂-ZrO₂ RATIO IN Ni-MgO-Ce_(1-x)Zr_(x)O₂ CATALYST FOR CARBON DIOXIDE REFORMING OF METHANE
Kim B.-J., Jang W.-J., Kim H.-M., Yoo S.-Y., Shim J.-O., Jeon K.-W., Na H.-S., Lee Y.-L., Kim K.-J., Ahn S.-Y.
- Po13 CATALYTIC S-OXIDATION OF METHYL(PHENYL)SULFIDE BY HYDROGEN PEROXIDE OVER NOVEL TITANOSILICATE ZEOLITES
Martausová I., Spustová D., Cvejn D., Martaus A., Lacný Z., Přech J.
- Po14 LOCATION AND LEWIS ACIDIC PROPERTY OF COBALT SPECIES ON MFI ACTIVE FOR METHYLATION OF BENZENE WITH METHANE
Matsubara H., Yamamoto K., Nakamura K., Tsuji E., Okumura K., Suganuma S., Katada N.
- Po15 ADOR ZEOLITES
Eliášová P., Mazur M., Kasneryk V., Shamzhy M., OPanassenko M., Kubů M., Wheatley P.S., Roth W.J., Nachtigall P., Čejka J.
- Po16 CATALYTIC OXIDEHYDROGENATION OF LOW ALKANES WITH CO₂
Numan M., Hasib MD A., Park S.-E.
- Po17 MESOPOROUS SOLIDS SYNTHESIS AND ITS APPLICATION TO ARSENIC CONTAMINATION REMOVAL IN WATER MEDIA
Fernández-Rodríguez P., Martín-Aranda R.M., López Colón J.L., de Mendoza J.H.
- Po18 STUDY OF WATER SORPTION IN DEALUMINATED ZEOLITE Y
Pliekhov O., Zabukovec Logar N.
- Po19 ONE-STEP IMPREGNATION NANOCASTING AS AN ADVANCED METHOD FOR THE SYNTHESIS OF MESOPOROUS NON-NOBLE MIXED METAL OXIDES FOR CATALYSIS
Priamushko T., Guillet-Nicolas R., Kleitz F.
- Po20 A GREEN ADDITIVE-FREE ROUTE FOR THE SYNTHESIS OF LAYER-LIKE FAUJASITE ZEOLITES
Reiprich B., Weissenberger T., Tsapatsis M., Schwieger W., Inayat A.
- Po21 OXIDATIVE DEHYDROGENATION OF C₂ AND C₃ HYDROCARBONS OVER CHLORIDES SUPPORTED ON La-Y ZEOLITE
Sajad M., Ayari F., Charrad R., Bulánek R.
- Po22 PREPARATION OF CARBON CATALYSTS ORGANIZED HIERARCHICALLY BY DRY DISPERSION
Martín-García S., Calvino-Casilda V., Rubio-Marcos F., Muñoz-Camacho E., **Martín-Aranda R.M.**
- Po23 EXPLORING SORPTION PROCESS OF DIFFERENT SMALL ALKANES ON DESILICATED ZSM-5 ZEOLITES
Strzempek M., **Tarach K.A.**, Palomino M., Góra-Marek K., Valencia S., Rey F., Piskorz W.
- Po24 IMPROVEMENT OF THERMAL STABILITY OF AFX/CHA INTERGROWTH ZEOLITE BY PHOSPHORUS MODIFICATION
Tsuchiya K., Yamasaki Y., Tsunoji N., Sadakane M., Sano T.
- Po25 INTERACTION OF BRØNSTED ACID GROUPS WITH HYDROCARBONS: FTIR STUDY OF OH/OD ISOTOPIC EXCHANGE
Vaculík J., Bulánek R.
- Po26 REAL-TIME RAMAN MONITORING OF THE SYNTHESIS OF N-ALKYLIMIDAZOLE DERIVATIVES USING SPINELS AS CATALYSTS
Muelas-Ramos V., Calvino-Casilda V., Wang A-Q, Wang J-X, Wu X-L, Muñoz-Camacho E., **Martín-Aranda R.M.**

- Po27 INFLUENCE OF THE SIZE OF INTRACRYSTALLINE MACROPORES ON THE DEACTIVATION BEHAVIOR OF HIERARCHICAL MFI TYPE CATALYSTS IN MTO REACTION
Weissenberger T., Machoke A., Reiprich B., Schwieger W.
- Po28 INTRODUCING MESOPOROSITY IN IRON-CONTAINING ANALOG OF ZEOLITE BETA
Zabilska A., Zabukovec Logar N.
- Po29 RECYCLING OF GERMANIUM: TOWARD IMPROVING APPLICATION POTENTIAL OF GERMANOSILICATE ZEOLITES
Zhang J., Musilová Z., Shamzhy M.V.
- Po30 UTILIZATION OF AMINO ACID ON CONTROLLING THE SIZE AND MESOPORES OF MFI-TYPE ZEOLITES
Zhang Q., Yu J.
- Po31 THE EFFECT OF DIFFERENT INTERLAYER DISTANCE FOR INTRODUCTION OF Pt NANOPARTICLES INTO THE MWW ZEOLITE
Zhang Y., Kubů M., Mazur M.
- Po32 MESOPOROUS SILICA AS A DRUG DELIVERY SYSTEM: INFLUENCE OF SURFACE MODIFICATION
Žid L., Zeleňák V., Šuleková M., Hudák A., Váhovská L.