**CzePoCat**

**7th Czech-Polish Catalytic Symposium**

**February 2, 2018 from 8:00 to 21:30**

*Meeting room 3.04, Institute of Environmental Technology, VŠB-Technical University of Ostrava*

**Program**

**8:00 – 8:20 – Registration**

**8:20 – 8:30 – Petr Praus** (VŠB- Technical University of Ostrava)

 vice-rector for Science and Research

*Opening speech*

1. **Section**

**Chairman: Andrzej Kotarba** (Jagiellonian University in Krakow)

**8:30 – 8:50 – Ireneusz Szewczyk** (Jagiellonian University in Krakow)

Effect of nitrogen doping on catalytic activity of mesoporous carbons in oxidative dehydrogenation of ethylbenzene

**8:50 – 9:10 – Marcelina Radko** (Jagiellonian University in Krakow)

Vanadium-doped TiO2 for selective oxidation of organic sulfides to sulfoxides and/or sulfones with hydrogen peroxide

**9:10 – 9:30 – Jaroslav Lang** (VŠB-Technical University of Ostrava)

Preparation of TiO2 and zirkonium-doped TiO2 photocatalysts using titanyl sulphate and their activity in AO7 photodegradation

**9:30 – 9:50 – Sylwia Wójcik** (Jagiellonian University in Krakow)

Structura catalysts for deN2O process- synthesis, characterization and activity

**9:50 – 10:10 – Tereza Bílková** (VŠB-Technical University of Ostrava)

Direct NO decomposition over CoMnAl mixed oxides

**10:10 – 10:25 – Coffee break**

1. **Section**

**Chairman: Lucie Obalová** (VŠB-Technical University of Ostrava)

**10:25 – 10:45 – Aleksandra Borcuch** (Jagiellonian University in Krakow)

The influence of iron aggregation on catalytic performance of micro-mesoporous MFI in DeNOc process

**10:45 – 11:05 – Tomasz Berniak** (Jagiellonian University in Krakow)

Selective aerobic oxidation of 4-methylanisole over N-hydroxyphthalimide species incorporated into polymer structure

**11:05 – 11:25 – Zdeněk Zikmund** (VŠB-Technical University of Ostrava)

Ni-C catalyst for reforming of hydrocarbons

**11:25 – 11:45 – Malgorzata Chelmicka** (Lodz University of Technology)

Hydrolytic hydrogenation of lignocellulosic biomass towards biofuel additives

**11:45 – 12:05 – Lada Dubnová** ( University of Pardubice)

In-situ characterization of the transformation of Zn-Al hydrotalcites to appropriate mixed oxides active in aldol condensation of furfural

**12:05 – 13:00 – Lunch**

1. **Section**

**Chairman: Jacek Grams** (Lodz University of Technology)

**13:00 – 13:20 – Tomasz Kondratowicz** (Jagiellonian University in Krakow)

Hollow zirconia spheres decorated with cobalt and copper oxides as catalysts of toluene combustion

**13:20 – 13:40 – Aneta Święs** (Jagiellonian University in Krakow)

Functionalization of mesoporous silica materials for environmental catalysis - case study

**13:40 – 14:00 – Joanna Kuncewicz** (Jagiellonian University in Krakow)

Spectroelectrochemical probing of electronic states close to the valence band in doped semiconductors

**14:00 – 14:20 – Wojciech Kaspera** (Jagiellonian University in Krakow)

Catalytic soot combustion over oxides - fundamental and applied research research

**14:20 – 14:40 – Magdalena Mikrut** (Jagiellonian University in Krakow)

What's wrong with Wawel smog?

**14:40 – 15:00 – Coffee break**

1. **Section**

**Chairman: Libor Čapek** (University of Pardubice)

**15:00 – 15:20 – Barbora Grycová** (VŠB-Technical University of Ostrava)

Garden waste as a feedstock for activated carbon preparation and hydrogen production by microwave pyrolysis

**15:20 – 15:40 – Sebastian Jarczewski** (Jagiellonian University in Krakow )

Catalytic performance of carbon nanoreplicas with various pore structures in oxidative dehydrogenation of ethylbenzene

**15:40 – 16:00 – Jaroslav Kocík** (University of Pardubice)

Using of Mg-X mixed oxides for biodiesel production

**16:00 – 16:20 – Adriana Panasewicz** (University of Maria Curie-Sklodowska in
 Lublin, University of Pardubice)

Acido-basic properties of Mg-Ga mixed oxides

**16:20 – 16:40 – Mateusz Trochowski** (Jagiellonian University in Krakow)

Visible light active TiO2 - a new approach

**16:40 – 17:00 – Marcin Kobielusz** (Jagiellonian University in Krakow)

Artificial photosynthesis - selected challenges and obstacles

**17:00 – 17:45 – Presentation of IET laboratories**

**17:45 – 21:30 – Discussion and closing ceremony**

**Acknowledgement**

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