



8th Czech-Polish Catalytic Symposium

February 15, 2019 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 – Kamila Kočí (VŠB- Technical University of Ostrava)
Opening speech

1. Section

Chairman: Janusz Ryczkowski (University of Maria Curie-Skłodowska in Lublin)

8:30 – 8:50 – Ireneusz Szewczyk (Jagiellonian University in Krakow)
Ammonia-modified mesoporous carbon catalysts for oxidative
dehydrogenation of ethylbenzene

8:50 – 9:10 – Marcelina Radko (Jagiellonian University in Krakow)
Photocatalytic activity of metal-doped TiO₂ materials in the
process of oxidation of organic sulphides

9:10 – 9:30 – Jaroslav Kocík (Unipetrol - Centre for Research and Education, a.s.)
The role of Cu and Zn in Cu-Zn-Al catalyst suitable for glycerol
hydrogenation

9:30 – 9:50 – Sylwia Wójcik (Jagiellonian University in Krakow)
Development of the structured catalyst for N₂O removal from
hospital ventilation system

9:50 – 10:10 – Emil Kowalewski (Polish Academy of Sciences)
Catalytic hydrotreatment for removal of water contaminants

10:10 – 10:25 – Coffee break

2. Section

Chairman: Lucjan Chmielarz (Jagiellonian University in Krakow)

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

Catalytic activity of Fe-ZSM-5 zeolite modified by desilication in environmental catalysis

10:45 – 11:05 – Agnieszka Jarosz (Jagiellonian University in Krakow)

Upconverting nanoparticles for NIR-driven photocatalysis

11:05 – 11:25 – Tomasz Berniak (Jagiellonian University in Krakow)

Study on parameters influencing catalytic activity of N-hydroxyphthalimide-containing poly(vinyl-diisopropyl-phthalate ester-co-styrene-co-divinylbenzene) materials in aerobic oxidation of alkylaromatic hydrocarbons

11:25 – 11:45 – Kasidid Yaemsunthorn (Jagiellonian University in Krakow)

Phase controlling of TiO₂ in Ti(III)-Peroxide system

11:45 – 12:05 – Janusz Ryczkowski (University of Maria Curie-Skłodowska in Lublin)

Carbon dioxide - old and new conversion technologies

12:05 – 13:00 – Lunch

3. Section

Chairman: Jacek Grams (Lodz University of Technology)

13:00 – 13:20 – Mateusz Trochowski (Jagiellonian University in Krakow)

Dihydroxyanthraquinones as a stable TiO₂ photosensitizers

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

Deposition of copper species in highly dispersed form on MCM-41 using modified template ion-exchange method

13:40 – 14:00 – Lada Dubnová (University of Pardubice)

Photocatalytic decomposition of methanol-water solution over N-La/TiO₂ photocatalysts

14:00 – 14:20 – Paweł Mikrut (Jagiellonian University in Krakow)

Photocatalysis at well-defined facets of anatase crystals

14:20 – 14:40 – Marcin Cichy (University of Maria Curie-Skłodowska in Lublin)

Catalysts deactivation - how to measure coke deposition?

14:40 – 15:00 – Coffee break

4. Section

Chairman: Wojciech Macyk (Jagiellonian University in Krakow)

15:00 – 15:20 – Magdalena Brzezińska (Lodz University of Technology)

Influence of the solar light photon-induced preparation of CuOx-ZnO catalysts for HMF hydrodeoxygenation

15:20 – 15:40 – Taymaz Tabari (Jagiellonian University in Krakow)

Rational design of catalysts to enhance the photocatalytic activity in solar energy production

15:40 – 16:00 – Witold Zawadzki (University of Maria Curie-Sklodowska in Lublin)

CO₂ methanation over modified nickel based catalysts

16:00 – 16:20 – Tomáš Prostějovský (VŠB-Technical University of Ostrava)

Degradation of xylene from waste gas stream by advanced oxidation processes

16:20 – 16:40 – Luz Esmeralda Róman Mendoza (National University of Engineering in Lima)

Cotton fabric functionalized with ZnO nanoparticles

16:40 – 17:45 – Presentation of IET laboratories

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

Acknowledgement

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