

CONFERENCE PROGRAM

**XXIV Zeolite Forum
Będlewo, 04-08 June, 2024**

04.06.2024
Tuesday

- 16:30-18:30 Registration
- 18:50-20:00** **SESSION 1** **Chairperson: Agnieszka Held**
- 18:50-19:00 Conference opening
- 19:00-20:00 **PL1** **Plenary Lecture:**
Wilhelm Schwieger
Hierarchical Zeolites: Preparation Pathways and Potential Application
- 20:00 Dinner

05.06.2024
Wednesday

- 08:30-09:30 Breakfast
- 10:00-11:20** **SESSION 2** **Chairperson: Barbara Gil**
- 10:00-11:00 **PL2** **Plenary Lecture:**
Natasa Zabukovec Logar
Metal-organic frameworks: towards greener synthesis and applications
- 11:00-11:20 **OP1** *A. Škrjanc, D. Jankovič, A. Meden, M. Mazaj, E. Svensson Grape, M. Gazvoda, N. Zabukovec Logar*
Why nickel dislikes ZIF-8: routes towards preparation of pure nickel zeolitic imidazolate frameworks
- 11:20-11:50 Coffee break
- 11:50-13:10 **SESSION 3** **Chairperson: Wacław Makowski**
- 11:50-12:10 **OP2** *W. Strzempek, B. Gil*
Fe-MOFs as nanoscale drug delivery devices
- 12:10-12:30 **OP3** *P. Gryta, G. Szczygieł, G. Jajko, M. Cieślik-Górna, P. Kozyra, W. Makowski*
Chromium terephthalate metal-organic framework MIL-101: A thermodesorption study using QE-TPDA method

12:30-12:50	OP4	<i>K. Gurtkiewicz, G. Jajko, P. Kozyra</i> Node dependence of water adsorption in selected MIL materials – MC modelling
12:50-13:10	OP5	<i>K. Roztocki</i> Understanding of flexible MOFs towards application in Gas Storage & Separation, Logic Construction and Sensing
13:30		Lunch
15:00-16:00		SESSION 4 Chairperson: Wiesław Roth
15:00-15:20	OP6	<i>P. J. Jodłowski, K. Dymek, G. Kurowski, K. Hyjek, A. Boguszewska-Czubarą, B. Budzyńska, A. Pajdak, Ł. Kuterasiński, W. Piskorz, P. Jeleń, M. Sitarz</i> Biological studies of efficient mephedrone adsorption over Zr-based metal-organic frameworks
15:20-15:40	OP7	<i>W. Makowski, N. Yaremenko, M. Cieřlik-Górna, P. Gryta</i> New low-cost experimental system for porosity characterization by quasi-equilibrated thermodesorption of nonane and water
15:40-16:00	OP8	<i>A. Tabero, J. Kowalska-Kuś, A. Ostrowski, E. Janiszewska, A. Jankowska</i> Functionalization of mesoporous materials with sulfonic acid groups as a method of increasing the conductivity of anhydrous composites containing imidazole
16:00-16:30		Coffee break
16:30-18:30		Meeting of the Polish Zeolite Association
19:30		Conference banquet

06.06.2024
Thursday

08:30-09:30		Breakfast
10:00-11:40		SESSION 5 Chairperson: Jacek Grams
10:00-10:20	OP9	<i>W. J. Roth</i> Molecularly intimate mixtures of zeolite frameworks – sum better than its parts
10:20-10:40	OP10	<i>A. Walkowiak, J. Wolska, A. Wojtaszek-Gurdak, I. Sobczak, Ł. Wolski, M. Ziółek</i> Zeolites decorated with gold nanoparticles: synthesis, characterization, and catalytic applications in base-free glucose oxidation
10:40-11:00	OP11	<i>J. Kowalska-Kuś, A. Held, K. Nowińska, K. Góra-Marek</i>

11:00-11:20	OP12	Commercially available LTA zeolites as efficient catalysts for transesterification of glycerol with dimethyl carbonate <i>J. Wiśniewska, I. Sobczak, M. Mazur</i>
11:20-11:40	OP13	Mesoporous silica modified with hafnium for oxidation of dibenzothiophene <i>K. Stawicka, M. Trejda, A. Rybka, M. Ziótek</i> Removal of dibenzothiophene by extraction and catalytic oxidation with long- and short-channel SBA-15 modified with Zr and Mo
12:00		Lunch
13:30-18:00		Excursion to Kórnik
18:30		Dinner

07.06.2024
Friday

08:30-09:30		Breakfast
10:00-11:20		SESSION 6 Chairperson: Maria Ziótek
10:00-11:00	PL3	Plenary Lecture: <i>Marco Daturi</i> Fe-FER: a good friend for environment
11:00-11:20	OP14	<i>A.K. Walczyk, A. Kordek, O. Rogala, K.A. Tarach, K. Góra-Marek</i> Methanol and ethanol transformation on CHA zeolites: insight from FT-IR and UV-Vis <i>operando</i> spectroscopy
11:20-11:50		Coffee break
11:50-12:50		SESSION 7 Chairperson: Ewa Janiszewska
11:50-12:10	OP15	<i>A. Kordek, K. A. Tarach, K. Góra-Marek</i> 2D COS analysis of IR and UV-vis spectroscopic studies of ethylene transformation over silver and protonic zeolites
12:10-12:30	OP16	<i>O. Rogala, K.A. Tarach, L. Lakiss, V. Valtchev, J.-P. Gilson, K. Góra-Marek</i> Zeolites in good shape for polypropylene cracking
12:30-12:50	OP17	<i>J. Sobalska, K. A. Tarach, K. Mlekodaj, E. Tabor, K. Góra-Marek</i> Proximity of transition cations in zeolites - the case of methane conversion to add-value compounds
13:30		Lunch
15:00-16:20		SESSION 8 Chairperson: Katarzyna Stawicka
15:00-15:20	OP18	<i>K. Gałęziowska, P. Michorczyk</i>

Methanation on monolithic catalysts with porous layers

- 15:20-15:40 **OP19** *M. Myradova, A. Węgrzynowicz, A. Węgrzyniak, M. Gierada, P. Jodłowski, J. Łojewska, J. Handzlik, P. Michorczyk*
Adjusting the metathesis performance of a molybdenum oxide catalyst through the modulation of silica support acidity and high-temperature pretreatment
- 15:40-16:00 **OP20** *M. Gackowski, M. Ruggiero-Mikołajczyk, M. Zimowska*
Diffusion of ibuprofen molecules into mesopores of SBA-15 material
- 16:00-16:15 **S1** *"Laboservice" Piotr Walczak – presentation of products*
- 16:15-17:15 *POSTER SESSION*
- 17:30 *"Sitkówka" - Volleyball match*
- 19:30 *Dinner (grill party)*

08.06.2024
Saturday

- 08:15-09:15 Breakfast
09:30 Bus departure to Poznań

