

Thursday, October 3<sup>rd</sup>

8:00	Registration	Chair: Rajić
9:00	Symposium opening	14:00 Godelitsas (Plenary Lecture) Transition Metal Complexes Supported on Natural Zeolites: New Composite Materials for Innovative Applications
9:15	Chair: Bronić	14:30 Ivanova Novel Nanostructured Mesoporous Materials Based on CeO <sub>2</sub> : Preparation, Characterization and Application as Catalysts for Total Oxidation of Ethyl Acetate
9:30	Valtchev (Plenary Lecture) In-situ and Post-synthesis Control of Zeolite Properties	14:45 Djinović Effect of Oxygenate Impurities on the Methanol Dehydration to DME Over Ordered Mesoporous $\gamma$ -Alumina and HZSM-5
9:45		15:00 Teržan Direct Propylene Oxidation Using Molecular Oxygen Using Mesoporous Silica as the Support
10:00	Giordano (Invited Lecture) Zeolite Template Carbon Materials: Preparation and Application as Supercapacitors	15:15 Pintar Kinetics of Catalytic Depolymerization of Waste Plastics to Olefins Over Natural Aluminosilicates
10:15		15:30 Trendafilova Design of Bimetal Catalysts on Magnetic Porous Silica Support for Fenton-like AOP Wastewater Purification
10:30	Coffee Break	15:45 Thomas Selective Phenol Adsorption From Hydrocarbon for Ultra-clean Biofuel
10:45		16:00 Mazaj Monolithic Carbon-supported Zeolite Beta with Highly Performable Post-combustion CO <sub>2</sub> Capture properties
11:00	Chair: Novak Tušar	16:15 Coffee Break
11:15	Gläser (Plenary Lecture) Enhancing Catalytic Activity by Tailored Hierarchical Pore Systems	16:30 Coffee Break
11:30		16:45 Chair: Pintar
11:45	Andraž Šuligoj (Invited Lecture) Combining Titania with Mesoporous Silica – a Step Towards Higher Catalytic Performance?	17:00 Nuić (Invited Lecture) Application of natural zeolite clinoptilolite for remediation of mercury contaminated soil and water
12:00		17:15 Dekić Silver-modified Zeolite in Bioremediation of Soil Contaminated with Acinetobacter Baumannii
12:15	Mileva Mesoporous Nanostructured Copper- Zirconium/Titanium Mixed Oxides as Catalysts for Hydrogen Production: Effect of Phase Composition	17:30 Stojanović Photocatalytic Activity of Composite Materials Based on Zeolites and TiO <sub>2</sub> Nanoparticles
12:30	Lazarova Hydrogenation of Levulinic Acid to $\gamma$ -Valerolactone on Ni-modified Zeolite	17:45 Popović Photocatalytic activity of Fe(III)-loaded-clinoptilolite in the degradation of methylene blue as a model pollutant
12:45	Lunch	18:00 Simić The Effect of Serbian Zeolite Tuff on the Cucumber Seedlings Quality

Friday, October 4<sup>th</sup>

8:30	Chair: Mali
8:45	Travert (Plenary Lecture) IR Operando Study of the Dynamics, Thermodynamics And Intrinsic Cracking Kinetics of Alcanes in Zeolites
9:00	
9:15	Krajnc (Invited Lecture) What Can NMR Tell Us About Structural Imperfections in MOFs?
9:30	
9:45	Radosavljević-Mihajlović Rietveld Analysis of Zeolitic Tuff Modified by Acid Treatment
10:00	Landripet The Influence of the Preparation Method on the Ratio of Heteroatoms in the Zeolite Beta Structure
10:15	Ait Blal Assessment of Mass Transport Properties in Bimodal Microporous Networks by Combining Gravimetric-Infrared Spectroscopy
10:30	Coffee Break
10:45	
11:00	Chair: Daković
11:15	Pavlović (Invited Lecture) Catalytic Activity of Clinoptilolite – based Catalysts in the Esterification of Levulinic Acid
11:30	Hrenović Mode of Acinetobacter Baumannii Immobilization onto Natural Zeolite in Nutrient-Poor and Nutrient-Rich Water
11:45	Vukojević Medvidović Landfill Leachate Treatment Using Hybrid Process with Fixed Zeolite Bed
12:00	Dikić Preparation, Characterization and Antibacterial Activity of Clinoptilolite/Thymol Composites
12:15	Nuić The Natural Zeolite Clinoptilolite as Efficient Cost-Effective Sorbent for Competitive Heavy Metal Removal from Multicomponent Systems
12:30	Ugrina Landfill Leachate Treatment by Batch Multi-stage Process Using Natural Zeolite
12:45	Krpović Synthesis and Characterization of the Adsorbents Obtained by Mechanochemical Modification of Natural Clinoptilolite
13:00	Lunch

14:00 Excursion and Conference Dinner

Saturday, October 5<sup>th</sup>

8:30	Chair: Bosnar
8:30	Eić (Invited Lecture) Zero Length Column (ZLC) Chromatography: A Powerful Tool for Studying Gas Phase Mass Transfer Phenomena in Nanoporous Materials
9:00	
9:15	Kristian Tajnšek New Porous Metal-Organic Framework as Potential Biocompatible Drug Delivery Systems
9:30	Spasojević Organophilic Site as Potential Low Cost Adsorbent for Removal of Ibuprofen
9:45	Krajišnik An Investigation of Ibuprofen Release From a Clinoptilolite Zeolitic Tuff Modified with Cationic Surfactant
10:00	Coffee Break
10:15	
10:30	Chair: Vukojević Medvidović
10:30	Aškračić Influence of the Natural Zeolite Addition on the Pozzolanic Reaction and Compressive Strength Development in Lime Based Renders
10:45	Bosnar Micro/mesoporous Aluminosilicate Materials via Dual Templating, Part 1: Synthesis and Characterization
11:00	Rac Micro/mesoporous Aluminosilicate Materials via Dual Templating, Part 2: Acidity assessment
11:15	Medak Postsynthetic Treatment of FAU Type Zeolite with Zinc
11:30	Closing remarks