



Bažant Graduate Conference

*ICPF Large Meeting Room
Tuesday, 30 May 2017*

Conference Programme

9:00–9:10 *Conference Opening*

9:10–9:25 Mgr. Adéla Holubová-Šmejkalová: *Aerosol Particle Formation During Summer Campaign at Rural Background Site Košetice*

9:25–9:40 Ing. Jan Rotrekl: *Data Processing of Experimental Results in Systems of Ionic Liquids. Pitfalls and Challenges.*

9:40–9:55 Maja Čanji, MSc.: *Thermodynamic Properties of Saccharinate-based Ionic Liquids: Comparison of Experimental Data to Prediction by means of COSMO-RS*

9:55–10:10 Nikola Zdolšek, MSc.: *New Porous Carbon Electrocatalysts Derived from Ionic Liquid for Oxygen Reduction Reaction*

10:10 *Coffee Break*

10:30–10:45 Ing. Lubomír Váňa: *Synthesis of Amidoazaphenacenes for Applications in Molecular Electronics*

10:45–11:00 Ing. Pavel Jakubík: *Preparation of Fluorinated [5]- and [6]Helicenes*

11:00–11:15 Ing. Martin Jakubec: *Helicene-Based Thioureas*

11:15–11:30 Ing. Tomáš Beránek: *Transition-Metal Complexes with Helical Phosphines*

11:30 *Lunch Break*

12:30–12:45 Ing. Martin Kos: *Progress in Synthesis of Aza-helicenes*

12:45–13:00 Ing. Jakub Bumba: *Preparation of Magnesium Silicide and Magnesium Germanide from Waste for Material Recovery*

13:00–13:15 Massimo Ujčić, Ing., Mgr.: *Reaction kinetic study of heterogeneous hydrogenations for 3D-printed catalysts*

13:15–13:30 Kingsley Ezeji, MSc.: *Hydrodynamic Behavior of Bubbles in Slot Channels*



13:30 *Coffee Break*

13:45–14:00 Ing. Jiří Brynda: *High-Temperature Desulfurization of a Producer Gas by La- and Ce-based Oxides*

14:00–14:15 Ing. Jaroslav Moško: *Preliminary Evaluation of Sewage Sludge Biochar Composition and Mass and Energy Balance of the Sludge Pyrolysis*

14:45–15:00 Ing. Boleslav Zach: *Dry Flue Gas Treatment: Preparation for Experimental Campaign and Preliminary Experiments*

15:00–15:15 Ing. Marie Cerhová: *Use of Water-Modified Supercritical Carbon Dioxide for Direct Preparation of Crystalline Monolithic TiO₂ Aerogels*

15:30 *Conference Closing*

16:30 *Conference Winners Announcement*



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