



Bažant Postgraduate Conference

*ICPF Large Meeting Room
Monday, 8 June 2015*

Conference Programme

9:00-9:10 *Conference Opening*

9:10–9:25 Ing. Martin Topiař: *Supercritical Fractionation of Volatiles and Non-volatiles from Different Plant Sources*

9:25–9:40 Ing. Zdeňka Machalová: *Mathematical Model for Pressurized Solvent Extraction from *Leuzea carthamoides**

9:40–9:55 Ing. Martina Matějková: *Adsorption of Phenol from Aqueous Solution on Various Sorbents*

9:55–10:10 Ing. Marie Cerhová: *Preparation of Nanocrystalline Titania Thin Films by Using Pure and Modified Supercritical Carbon Dioxide*

10:10 *Coffee Break*

10:30–10:45 Ing. Adéla Andresová: *Physicochemical Properties of Menthol-Based Imidazolium Ionic Liquids*

10:45–11:00 Ing. Jan Rotrekl: *Influence of Structure of Ionic Liquids on the Properties of their Mixtures with Water*

11:00–11:15 Mgr. Lucie Maixnerová: *Analytical Features of the Optical Biosensor for Glucose Detection*

11:15–11:30 Ing. Štěpán Horník: *Novel NMR Method for Organic Aerosol Analysis*

11:30 *Lunch Break*



12:30–12:45 Ing. Tomáš Durda: *Combustion of corn straw in a fluidized-bed reactor*

12:45–13:00 Ing. Jiří Brynda: *Possibilities of High-Temperature Desulphurization and Dechlorination of a Producer Gas*

13:00–13:15 Ing. Boleslav Zach: *Design of apparatus for testing of catalytic filters for flue gas treatment*

13:15–13:30 Ing. Lucie Kubelová: *Comparison of Summer and Winter Highly Time-Resolved Submicron Aerosol Composition Measured at a Suburban Site in Prague*

13:30–13:45 Tuan V. Vu: *Source Apportionment of Submicron Particles Deposited in Regional Lung Measured at an Urban Background Site in London*

13:45 *Coffee Break*

14:00–14:15 Ing. Martin Kos: *Synthesis of Aza-Aromatic Compounds by Photocyclodehydrogenation Reaction of N-Aryl Imines*

14:15–14:30 Ing. Pavel Jakubík: *Preparation of Soluble [n]Phenacene Derivatives*

14:30–14:45 Ing. Martin Bernard: *Progress in Helicene Stationary Phases*

14:45 *Conference Closing*

16:00 *Conference Winners Announcement*



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