



## Bažant Postgraduate Conference

*ICPF Large Meeting Room  
Thursday, 7 June 2018*

### Conference Programme

#### **9:00 Conference Opening**

**9:10** Ing. Martin Kos: *Transition Metals Complexes with Helical 2,2'-Bipyridine Ligands*

**9:25** Ing. Tomáš Beránek: *Phosphorus Derivatives of Helicenes*

**9:40** Ing. Lubomír Váňa: *Synthesis and Functionalization of Aza[5]phenacenes*

**9:55** Ing. Monika Müllerová: *From Cationic Carbosilane Dendrimers and Glyco-dendrimers towards Multifunctional Dendritic Wedges*

**10:10** Ing. Marie Cerhová: *Effect of Conditions on TiO<sub>2</sub> Aerogel Crystallization Using Modified Supercritical Carbon Dioxide*

#### **10:25 Coffee Break**

**10:40** Maja Čanji, MSc.: *Analyzing the Experimental Thermodynamic Data for Ionic Liquids and their Study as Thermal Energy Storage Materials*

**10:55** Ing. Michal Žák: *Single-step Purification of Raw Biogas to Biomethane Quality by Hollow Fiber Membranes without any Pre-treatment - Innovation in Biogas Upgrading*

**11:10** Ing. Jakub Bumba: *Magnesium Silicide and Germanide from Waste as a Source of CVD Precursors and Ultrapure Semiconductors*

**11:25** Kingsley Ezeji, MSc.: *Hydrodynamic Behavior of Large Bubbles in Slot Channels*

#### **11:40 Conference Closing**

#### **13:30 Conference Winners Announcement**