

## 7<sup>th</sup> November: Presentations & excursions, VŠB-TU Ostrava

9.00 – 9.30 Registration of enrolled participants and guests

9.30 – 11.40 1<sup>st</sup> block of presentations – students from the VŠB-TU of Ostrava

- **9.40-10.00 Andrii Titov**  
*"Co<sub>2</sub>FeX (X = Si, Al) Heusler alloys prepared by planar flow casting and arc melting: microstructure and magnetism"*
- **10.00-10.20 Jan Chochol**  
*"Free carrier magneto-optical effect of InSb in the terahertz range"*
- **10.20-10.40 Jan Militký**  
*"Fiber-optic temperature sensors"*
- **10.40-11.00 Ondřej Harkut**  
*"New laboratory for neutron activation analysis and gamma spectrometry in Ostrava"*
- **11.00-11.20 Josef Cigánek**  
*"Investigation of the mixing process of the injection AWJ"*
- **11.20-11.40 Jiří Bednář**  
*"Photocatalytic nanostructured composites - preparation and properties"*

12.00 – 13.00 Lunch break (lunch provided to enrolled participants only)

13.00 – 14.40 2<sup>nd</sup> block of presentations – students from the University of Silesia in Katowice

- **13.00-13.20 Erik Thoms**  
*"Ternary ionic liquids: systematic analysis of new electrolytes"*
- **13.20-13.40 Krzysztof Chmiel**  
*"The impact of different excipients on the physical stability of amorphous celecoxib"*
- **13.40-14.00 Bartosz Wilk**  
*"Preparation and characterization of ultra-thin films of topological insulator Bi<sub>2</sub>Te<sub>3</sub>"*
- **14.00-14.20 Justyna Szczurek**  
*"Molecular dynamics, recrystallization behavior and water solubility of amorphous anticancer agent bicalutamide and its polyvinylpyrrolidone mixtures"*
- **14.20-14.40 Andrzej Więckowski**  
*"Charge stiffness and Majorana states in the Kitaev model with many-body interaction"*

15.00 – 17.30 Department of Physics laboratories, VŠB-TU of Ostrava (enrolled participants only)

## 8<sup>th</sup> November: Excursions, Czech Republic (enrolled participants only)

- **8:00 – 10.00 ON Semiconductor Czech Republic, s.r.o., Rožnov pod Radhoštěm**
- **13:00 – 14.30 Hyundai Motor Manufacturing Czech s.r.o., Frýdek-Místek**
- **16.00 – 17.30 Planetarium Ostrava**

## 9<sup>th</sup> November: Excursion, Poland (enrolled participants only)

- **10:30 – 15.00 Laboratories, University of Silesia in Katowice**