

# Workshop program

## Thursday 20 June 2019

- 09:00 Opening (Michal Dušek)
- 09:10 Lecture: Introduction to Jana2006 (Michal Dušek)
- 09:30 Introduction to Examples (Michal Dušek)
- 09:50 Distribution of flash disks + installation of programs
- 10:00 Coffee break
- 10:15 Example 1.1 (Zn - simple structure from single crystal data )  
Example 3.1 (AD3 - pseudomerohedric twin)  
Example 3.5 (Cd-HPO – disorder, application of local symmetry)
- 12:30 Lunch
- 13:30 Lecture: Introduction to powder structures (Jan Rohlíček)
- 14:00 Example 2.1.2 (17equ – simple structure from synchrotron powder data)  
Example 2.2 (Y<sub>2</sub>O<sub>3</sub> – powder data with strong asymmetry)
- 15:00 Coffee break
- 15:15 Example 2.5.2 (CandAt - multiphase powder data)  
Example 2.7.1 (LaPO<sub>4</sub> – crystallite size by the fundamental approach)
- 18:00 End

## Friday 21 June 2019

- 09:00 Lecture: Introduction to electron diffraction example (Petr Brázda)
- 09:20 Example 13.5 (Ni<sub>2</sub>Si - Solution of nickel silicide from precession electron diffraction tomography data)
- 10:00 Coffee break
- 10:15 Example 13.5 (continued)
- 11:00 Lecture: Introduction to modulated structures (Václav Petříček)
- 11:40 Introduction to example Cr<sub>2</sub>P<sub>2</sub>O<sub>7</sub> (Michal Dušek)
- 12:00 Lunch
- 13:00 **Workshop photo** in front of the building A
- 13:15 Example 5.3.1 (Cr<sub>2</sub>P<sub>2</sub>O<sub>7</sub> – Processing of the area-detector data by Crysalis)  
Example 5.3.2 (Cr<sub>2</sub>P<sub>2</sub>O<sub>7</sub> – Solution of an incommensurately modulated structure with discontinuous functions)
- 15:00 Coffee break
- 15:15 Lecture: Introduction to magnetic structures (Václav Petříček)
- 16:00 Example 12.7 (DyMn<sub>6</sub>Ge<sub>6</sub> – incommensurate magnetic structure)
- 18:00 End