

# Workshop program

## Monday 16 December morning: introduction to Jana2006

- 09:00 Opening (Lukáš Palatinus)
- 09:10 Lecture: Introduction to Jana2006 (Michal Dušek)
- 09:30 Software: Installation of software used for the practical part of the workshop (Jana2006, PETS, VESTA, ImageJ)
- 10:00 Solution of example 1.1: Simple single crystal structure
- 11:15 Coffee break
- 11:30 Solution of example 9.1: Getting familiar with Superflip
- 12:30 Lunch

## Monday 16 December afternoon: data processing

- 13:30 Lecture: Data collection methods and techniques for structure analysis from electron diffraction data (Mariana Klementová)
- 14:15 Lecture: Data processing using the program PETS (Lukáš Palatinus)
- 15:15 Coffee break
- 15:30 Data processing for examples 13.1 and 13.2: TTB, mineral kaňkite
- 17:00 Data processing for example 13.3: Orthopyroxene
- 15:30 – 18:00: Demonstration of data collection by automated diffraction tomography (Mariana Klementová, ~30 min, in groups during the afternoon)
- 18:00 End

## Tuesday 17 December morning: structure solution and kinematical refinement

- 09:00 Lecture: Structure solution and kinematical refinement (Lukáš Palatinus)
- 09:30 Lecture: Fast electron diffraction tomography (Mauro Gemmi)
- 10:00 Solution of example 13.1: TTB
- 10:45 Coffee Break
- 11:00 Solution of example 13.2: Kaňkite
- 12:00 Lunch + **workshop photo**

## Tuesday 17 December afternoon: dynamical structure refinement

- 13:00 Lecture: Dynamical structure refinement (Lukáš Palatinus)
- 14:15 Solution of examples 13.3, 13.4 and 13.5: Dynamical structure refinement of orthopyroxene and silicon from zone-axis and EDT electron diffraction data
- 18:00 End of workshop