Workshop program

Time is given in UTC+1 (Prague)

Monday 8 March 2021

13:00 Opening (Michal Dušek)
13:10 Lecture: Introduction to Jana2020 and examples (Michal Dušek)
13:40 Download of documents, installation of Jana2020
Please use the latest Jana2020
14:00 Solution of examples
Participants will independently solve examples and contact lectors in case of troubles using Zoom
Example 01.1. Zn
Simple structure from X-ray single-crystal data
Example 02.1.1 $PbSO_4$
Simple inorganic structure from X-ray powder data
Example 04.1 PtCu
Disordered structure
17:00 End of workshop

Tuesday 9 March 2021

13:00 Lecture: Introduction to twinning options (Václav Petříček)
13:30 Step-by step introduction to Example 03.3.1 (Václav Petříček)
14:30 Solution of examples
Participants will independently solve examples and contact lectors in case of troubles using Zoom
Example 03.1 AD3
Simple structure with pseudo-merohedric twinning
Example 03.3.1 CsLiSO4
Simple structure with reticular pseudo-merohedric 3-fold twinning
Example 03.2 Pyninit
Simple structure with non-merohedric twinning. Handling twin overlaps
17:00 End of workshop

Wednesday 10 March 2021

13:00 Lecture: Introduction to modulated structures (Václav Petříček)
13:30 Step-by-step introduction to Example 05.1 (Václav Petříček)
14:30 Solution of examples
Participants will independently solve examples and contact lectors in case of troubles using Zoom
Example 05.2 Na_2CO_3
Simple structure with strong harmonic modulation.
Example 05.1 YPO
Simple structure where a light atom has a discontinuous modulation function.
17:00 End of workshop

Thursday 11 March 2021

13:00 Lecture: Introduction to powder structures (Jan Rohlíček)
13:30 Step-by-step introduction to Example 02.4 (Jan Rohlíček)
14:30 Solution of examples
Participants will independently solve examples and contact lectors in case of troubles using Zoom
Example 02.4 PFPhenyl
Refinement of an organometallic structure from powder data with help of geometry constrains.
Example 02.7.1 $LaPO_4$
Crystallite size by fundamental approach.
17:00 End of workshop