

# Online Workshop on the basics of Jana2020

## Workshop program

### Tuesday 24 February 2026: 14:00-18:00 (08:00-12:00 Miami)

14:00 Opening (Michal Dušek)

Lecture: Introduction to Jana2020 (Michal Dušek)

Demonstration of Jana2020 features using Example 1.1. (Cinthia Correa)

15:30 Example 1.1 (Zn - simple structure from single crystal data )

Example 3.1 (AD3 - pseudomerohedric twin)

Example 4.1 (PtCu – disordered structure)

### Wednesday 25 February 2026: 14:00-18:00 (08:00-12:00 Miami)

14:00 Lecture: Powder structures (Jan Rohlíček)

14:45 Example 2.1.1 (PbSO<sub>4</sub> – simple inorganic structure)

Example 2.4 (PFPhenyl – refinement with constrained geometry)

Example 2.5.1 (Twoph - multiphase powder data)

### Thursday 26 February 2026: 14:00-18:00 (08:00-12:00 Miami)

14:00 Lecture: Modulated structures (Václav Petříček)

14:45 Example 5.2 (Na<sub>2</sub>CO<sub>3</sub> – incommensurately modulated structure)

Example 7.6 (Na<sub>2</sub>CO<sub>3</sub>Comm – commensurately modulated structure)

### Friday 27 February 2026: 14:00-18:00 (08:00-12:00 Miami)

14:00 Lecture: Magnetic structures (Margarida Henriques)

14:40 Example 12.9 (NiTe<sub>2</sub>O<sub>5</sub> – simple antiferromagnetic structure from single-crystal data)

Example 12.7 (DyMn<sub>6</sub>Ge<sub>6</sub> – incommensurate magnetic structure)

18:00 End

## Workshop repository

<https://jana.fzu.cz/repo/miami26>

password miajanami26

The files will be complete on Monday morning (Miami time)