



Workshop on powder diffraction methods at the MPI-CPfS

October 14 - 18, 2019

Seminar room 1 – 3

Program

Monday, October 14

09:00 – 12:00

Dr. Horst Borrmann

Experimental aspects of X-ray powder diffraction

12:00 – 14:00

Lunch

14:00 – 17:00

Prof. Vitalij Pecharsky

X-ray diffraction in Materials Science

17:30 – 18:30

Dr. Horst Borrmann

Basic experimental examples

18:30

Software-Installation on demand

Tuesday, October 15

09:00 – 12:00

Prof. Yuri Grin

Introduction to program WinCSD

12:00 – 14:00

Lunch

14:00 – 19:00

Prof. Yuri Grin

Basic exercises program WinCSD

Wednesday, October 16

09:00 – 12:00

Dr. Jan Rohlíček

Introduction to program Jana2006

12:00 – 14:00

Lunch

14:00 – 19:00

Dr. Jan Rohlíček

Basic exercises program Jana2006

Thursday, October 17

09:00 – 12:00

Dr. Mohamed Mezouar

X-ray diffraction at extreme conditions

Dr. Ulrich Schwarz

Phase transitions at extreme conditions

12:00 – 14:00

Lunch

14:00 – 15:00

Prof. Jingtai Zhao

Neutron powder diffraction in Materials Science

15:00 – 19:00

Exercises in parallel: Beginners / Advanced users

Friday, October 18

09:00 – 12:00

Dr. Horst Borrmann

CIF and databases including exercises

14:00 – 19:00

Exercises in parallel: Advanced examples / User data

Daily coffee breaks at 10:15 -10:45 and 15:15 –15:45.