

OpenLab Turkey Program

19/01/2015 Monday

Time	Event
9:00-9:30	Welcome and Introduction to IYCr2014
9:30-11:00	X-ray physics – diffraction theory (Prof. Artioli)
11:00-11:30	Coffee Break
11:30-13:00	Powder diffraction (Prof. Artioli)
13:00-14:00	Lunch
14:00-16:00	Sample preparation (PANalytical)
16:00-16:30	Coffee Break
16:30-18:00	Introduction to software (Prof. Artioli)

20/01/2015 Tuesday

Time	Event
9:00-9:15	Questions and answers
9:15-11:00	Phase identification (Prof. Artioli)
11:00-11:30	Coffee Break
11:30-13:00	Experimental configurations – optics (PANalytical)
13:00-14:00	Lunch
14:00-16:00	Powder data collection - practicals (PANalytical)
16:00-16:30	Coffee Break
16:30-18:00	Databases (Prof. Artioli)

21/01/2015 Wednesday

Time	Event
9:00-9:15	Questions and answers
9:15-11:00	Full profile refinement (Prof. Artioli)
11:00-11:30	Coffee Break
11:30-13:00	Quantitative analysis (PANalytical)
13:00-14:00	Lunch
14:00-16:00	Hands on experience
16:00-16:30	Coffee Break
16:30-18:00	Hands on experience

22/01/2015 Thursday

Time	Event
9:00-9:15	Questions and answers
9:15-11:00	Crystallography, diffraction and the cultural heritage (Prof. Artioli)
11:00-11:30	Coffee Break
11:30-12:00	Applications of XRD and XRF as Archaeometrical Methods on Historical Materials (Dr. Ali Akın Akyol)
12:00-12:30	Synthesis and Characterizations of Calcium Hydroxide Nanoparticles and Their Application as Deacidification Agents for Paper-Based Cultural Heritage (Dr. Ayşen Yılmaz)
12:30-13:00	Structure determination of disordered materials at ambient and extreme conditions: Pair distribution function analyses using x-ray scattering technique and Monte-Carlo simulation (Dr. Bora Kalkan)
13:00-14:00	Lunch
14:00-17:00	Excursion to Anotolian Civilization Museum