

Characterization of Materials Summer School 22 - 25 August, 2023

Tuesday 22 August 2023

		Speaker
8:00 - 8:30	Welcome + self-introduction by participants	Carey Sargent, EPFL
08:30 - 9:30	Transmission Electron Microscopy & Microanalysis	Emad Oveisi, EPFL
09:45 - 10:45	Analytical SEM: EDX and FIB (+ESEM)	Marco Cantoni, EPFL
10:45 - 11:15	COFFEE BREAK	
11:15 - 12:15	X-ray and Neutron Diffraction	Pascal Schouwink, EPFL
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Group 1: TEM / Group 2: SEM / Group 3: X-Ray and Neutron Diffraction)	
15:00 - 16:00	Lab Visit 2 (Group 1: X-Ray and Neutron Diffraction / Group 2: TEM / Group 3: SEM)	
16:15 - 17:15	Lab Visit 3 (Group 1: SEM / Group 2: X-Ray and Neutron Diffraction / Group 3: TEM)	
17:30	BBQ	

Wednesday 23 August 2023

08:30 - 9:30	Scanning Tunneling Microscopy	Harald Brune, EPFL
09:45 - 10:45	AFM	Marcos Penedo Garcia, EPFL
10:45 - 11:15	COFFEE BREAK	
11:15 - 12:15	Raman spectroscopy	Mira Dimitrievska, Empa
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Group 1: STM / Group 2: AFM / Group 3: Raman)	
15:00 - 16:00	Lab Visit 2 (Group 1: Raman / Group 2: STM / Group 3: AFM)	
16:15 - 17:15	Lab Visit 3 (Group 1: AFM / Group 2: Raman / Group 3: STM)	

Thursday 24 August 2023

08:30 - 9:30	Nanoindentation	David Hernandez-Escobar / Alejandra Slagter, EPFL
09:45 - 10:45	Rheology	David Burnand, Anton Paar
10:45 - 11:15	COFFEE BREAK	
11:15 - 12:15	Characterisation of Visco-Elastic Materials	Veronique Michaud, EPFL
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Group 1: Visco-elastic materials / Group 2: Rheology / Group 3: Nanoindentation)	
15:00 - 16:00	Lab Visit 2 (Group 1: Nanoindentation / Group 2: Visco-elastic materials / Group 3: Rheology)	
16:15 - 17:15	Lab visit 3 (Group 1 : Rheology / Group 2: Nanoindentation / Group 3: Visco-elastic materials)	

Friday 25 August 2023

08:30 - 9:30	Tribology testing of surfaces	Anna Igual, EPFL
09:45 - 10:45	Corrosion	Anna Igual, EPFL
10:45 - 11:15	COFFEE BREAK	
11:15 - 12:15	Scratch	Jiri Nohava, Anton Paar
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Group 1: Scratch / Group 2: Corrosion / Group 3: Tribology)	
15:00 - 16:00	Lab Visit 2 (Group 1: Corrosion / Group 2: Tribology / Group 3: Scratch)	
16:15 - 17:15	Lab Visit 3 (Group 1: Tribology / Group 2: Scratch / Group 3: Corrosion)	