

**Characterisation of Materials Summer School
2 - 5 September, 2025**

Tuesday 2 September		Speaker
8:15 - 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	XPS	Mounir Mensi, 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	Essentials of SEM, EDX and FIB/SEM"	Lucie Navratilova, EPFL
15:00 - 16:00	Lab Visit 1 (Student group 1: TEM or SEM / Student group 2: XPS / Student group 3: X-Ray and Neutron Diffraction)	
16:15 - 17:15	Lab Visit 1 (Student group 1: X-Ray and Neutron Diffraction / Student group 2: TEM or SEM / Student group 3: XPS)	
17:30 - 18:30	Lab Visit 1 (Student group 1: XPS / Student group 2: X-Ray and Neutron Diffraction / Student group 3: TEM or SEM)	
Wednesday 3 September		
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	Free time	
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Student group 1: STM / Student group 2 : AFM / Student group 3: Free time)	
15:00 - 16:00	Lab Visit 2 (Student group 1: AFM / Student group 2: Free time / Student group 3: STM)	
16:15 - 17:15	Lab Visit 3 (Student group 1: Free time / Student group 2: STM / Student group 3: AFM)	
Thursday 4 September		
08:30 - 9:30	Nanoindentation	Sándor Lipcsei
09:45 - 10:45	Characterisation of Visco-Elastic Materials	Veronique Michaud, EPFL
10:45 - 11:15	COFFEE BREAK	
11:15 - 12:15	Rheology	David Burnand, EPFL
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Student group 1 : Visco-elastic materials / Student group 2 : Nanoindentation / Student group 3: Rheology)	
15:00 - 16:00	Lab Visit 2 (Student group 1 : Nanoindentation / Student group 2 : Rheology / Student group 3: Visco-elastic materials)	
16:15 - 17:15	Lab visit 3 (Student group 1 : Rheology / Student group 2 : Visco-elastic materials / Student group 3: Nanoindentation)	
Friday 5 September		
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	Xavier Guthmann, Virgile Favre, Anton Paar
12:15 - 13:30	LUNCH	
13:45 - 14:45	Lab Visit 1 (Student group 1 : Tribology / Student group 2 : Corrosion / Student group 3: Scratch)	
15:00 - 16:00	Lab Visit 1 (Student group 1 : Scratch / Student group 2 : Tribology / Student group 3: Corrosion)	
16:15 - 17:15	Lab Visit 1 (Student group 1 : Corrosion / Student group 2 : Scratch / Student group 3: Tribology)	