



Daily Program (C.E.T.)

Monday June 16 th		
12:00 – 13:30	Registration	
13:30 – 13:45	Introduction to the School	
13:45 – 14:00	EU4MOFs R. Ettliger	
14:00 – 15:00	Shuhei Furukawa	Discovery of permanent porosity in metal-organic frameworks
15:00 – 17:00	Omar M. Yaghi	Reticular Chemistry from the Beginning to AI
17:00 – 18:00	Davide M. Proserpio	Topological Analysis of Reticular Framework Materials
18:00 – 20:30	Aperitivo	
20:30 – 22:00	S. Canossa, Samuel van Gele	Quiz night!
Tuesday June 17 th		
9:00 – 10:30	Felipe Gándara	Single Crystal X-ray Diffraction – Fundamentals and Application to Reticular Materials
10:30 – 11:00	Coffee break	
11:00 – 12:15	Stefano Canossa	Understanding real structures from real patterns: Your first steps in single crystal total scattering analysis
12:15 – 13:00	Simona Galli	Powder X-ray Diffraction: Fundamentals and ambient conditions applications to Porous Frameworks
13:00 – 14:30	Lunch and Poster session 1	
14:30 – 14:45	Samuel van Gele	The Devil Is in the Details: Pitfalls and Ambiguities in the Analysis of X-ray Powder Diffraction Data of 2D Covalent Organic Frameworks
14:45 – 15:30	Valentina Colombo	Beyond Ambient: In Situ and Operando X-ray Diffraction Techniques for Porous Frameworks
15:30 – 16:00	Flash presentations	
16:00 – 16:30	Coffee break	
16:30 – 19:00	Davide M. Proserpio	ToposPro (hands-on)
	Marco Vandone, Rebecca Vismara	PXRD (hands-on)
Wednesday June 18 th		
9:00 – 10:00	Rocio Semino	Modelling MOFs across time- and lengthscales
10:00 – 11:00	Seda Keskin	Computational Design and Discovery of MOFs: From Molecular Simulations to Machine Learning
11:00 – 11:30	Coffee break	
11:30 – 13:00	Sebastian Henke	Melting and glass-formation of metal-organic frameworks
13:00 – 14:30	Lunch and Poster session 2	
14:30 – 14:45	Sponsors presentations	
14:45 – 16:00	Wendy L. Queen	Optimizing porous materials for removing heavy elements from water and liquid waste
16:00 – 16:30	Coffee break	
16:30 – 18:00	Jin-Chong Tan	Mechanical Behaviour of MOF Crystals, Monoliths, and Composites
18:00 – 19:30	Carlos Martí Gastaldo	Building Complexity: Synthetic Approaches to Compositional Control in Reticular Frameworks

Thursday June 19 th		
9:00 – 10:30	Stefan Kaskel	Flexibility and Functionality in Metal–Organic Frameworks
10:30 – 11:00	Coffee break	
11:00 – 12:30	Shuheï Furukawa	Assembling of metal–organic polyhedra into porous materials
12:30 – 13:00	Sponsors presentations	
13:00 – 14:30	Lunch and <i>Poster session 3</i>	
14:30 – 15:30	Jorge A. R. Navarro	Pores and crystal surfaces for detoxification of harmful molecules
15:30 – 16:30	Felipe Gándara	Multimetal MOFs: Challenges and Pathways to Enhance Complexity
16:30 – 17:00	Flash presentations	
17:00 – 17:30	Coffee break	
17:30 – 19:00	Silvia Bordiga, Elisa Borfecchia	Understanding MOFs by spectroscopy methods: Fundamentals and selected applications to UiO MOFs
19:00 – 23:00	Social Dinner	
Friday June 20 th		
9:00 – 10:30	Mircea Dincă	Teaching sponges to conduct
10:30 – 11:00	Coffee break	
11:00 – 12:30	Daniel Maspoch	Clip-off Chemistry: Synthesis via Excision of Reticular Materials
12:30 – 13:00	Prizes and closing	
13:00 – 14:30	Lunch	