

DIADEM Summer School

Opening: August 25, 2025

	25 Aug MONDAY	26 Aug TUESDAY	27 Aug WEDNESDAY	28 Aug THURSDAY	29 Aug FRIDAY
8:00	Registration/ Welcome coffee				
9:00	Opening	DFT and MD: General concepts	Physics-Informed Neural Networks (PINN): General concepts	Data analysis and AI: general aspects	Travel to Soleil
9:30	Plenary Session Pascal Friederich	Marco Saitta	Chih-Kang Huang	Dmitry Karpov	
10:00			COFFEE BREAK		Visit of SOLEIL, the French synchrotron
10:30	COFFEE BREAK	COFFEE BREAK	PINN: Hands-on	COFFEE BREAK	
11:00	Machine Learning: General Concepts Arthur France-Lanord	DFT and MD: Hands on	Chih-Kang Huang	Data analysis and AI: Hands-on	
11:30	Machine Learning: hands-on João Almeida de Mendonça	João Almeida de Mendonça			
12:30	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH BREAK	LUNCH
	12:30 - 13:30	12:30 - 13:30	12:30 - 13:30	12:30 - 13:30	
13:30	Machine Learning: hands-on	Introduction to MLIP: General concepts Noel Jakse	FAIR Data: Emmanuel Fahri	DIADEM Projects/Hackathon	
14:00	Arthur France-Lanord João Almeida de Mendonça	Building MLIP : hands-on	AI database and Materials Discovery	Group Projects	Free time/ Sightseeing
		Irina Piazza Akshay Krishna	Emmanuel Fahri		
15:00	BREAK	BREAK	BREAK	BREAK	
15:30	Linux & Containers: practical aspects (linux terminal)	Workflows: general concepts and applications	Equivariant graphs: General concepts	Group Projects	
	Léo Orveillon	Irina Piazza Akshay Krishna	Martin Uhrin		
17:00	Poster session I - Presentations	Poster session II	Equivariant graphs: Hands-on		
			Martin Uhrin		
18:00	Get together party			Dinner	
18:30					

Updated on 22.08.25