

#MLPDES26 Schedule • Time table

	MON. JUNE 22, 2026	TUE. JUNE 23, 2026	WED. JUNE 24, 2026
09:20H 09:50H	Registration Opening ceremony	Maria Bruna. Oxford Microscopic interactions and macroscopic PDEs: Beyond the mean-field paradigm	Emil Wiedemann. FAU Beyond Incompatibility: Using Optimal Transport for Algorithmic Fairness
10:00H 10:30H	Giuseppe Buttazzo. Unipi Optimal data for elliptic PDEs	Harbir Antil. GMU Digital Twins and Beyond: A PDE-Constrained Optimization Perspective	Sam G. Krupa. ENS-PSL Are L^∞ solutions to hyperbolic systems of conservation laws unique?
10:40H	COFFEE / TEA BREAK		
11:10H 11:40H	Elena Celledoni. NTNU Structure preservation and Deep Learning for Learning Mechanical Systems from Data	Ulrik Fjordholm. UIO The zero-noise limit for hyperbolic conservation laws	Yanzhi Wu. FAU Data-Driven Control of Unknown Linear Systems: Two Disturbance Models
11:50H 12:20H	Xue-Mei Li. EPFL Rough PDEs, Long-Range Dependence, and Multi-Scale Dynamics	Riccardo Adami. PoliTO A mathematical model for the Einstein-Podolsky-Rosen phenomenon	Luigi Berselli. Unipi Womersley type flows for a non Newtonian fluid with variable exponent
12:30H	LUNCH BREAK		
14:00H 14:30H	Ingenuin Gasser. Uni-Hamburg Mathematical models in the context of renewable energies	Lorenzo Pareschi. HW Unife Structure-Preserving Neural Surrogates for Uncertainty Quantification in Plasma Physics	Closing ceremony
14:40H 15:10H	Gonzalo Cao-Labora. EPFL Discovery of unstable singularities	Francesco Maddalena. Poliba Multiple Scales in a Nonlocal Evolution Equation of Continuum Mechanics	
15:20H 16:00H	Jean-Michel Morel. Lingnan University. On Interpolation Formulas Describing Neural Network Generalization	Antonio Alvarez. UAM FAU Perceptrons and localization of attention's mean-field landscape	

SCIENTIFIC COMMITTEE

Giuseppe Maria Coclite. Poliba
Enrique Zuazua. FAU

REGISTRATION

Free but mandatory
(On-site participation only)
dcm.nat.fau.eu/registration-mlpdes26

ORGANIZING COMMITTEE

Darlis Bracho Tudares. FAU
Nicola De Nitti. UniPi
Lorenzo Liverani. FAU

WHERE

Onsite. FAU Senatssaal (Senate Hall) im Kollegienhaus.
Universitätsstraße 15, 91054 Erlangen - Bavaria, Germany
Online (live streaming): fau.tv/clip/id/63196

