

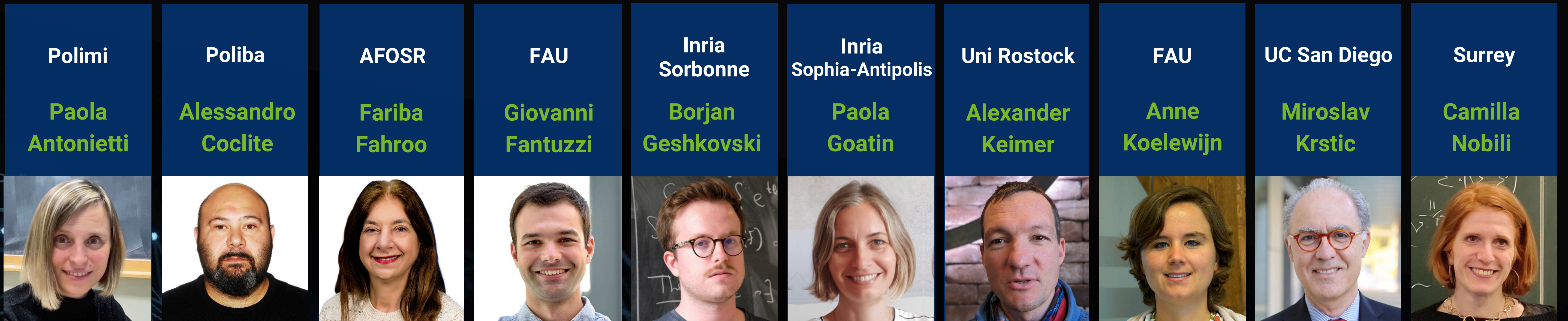


Friedrich-Alexander-Universität
Research Center for
Mathematics of Data | MoD

Hosted by our FAU MoD, the #MLPDES25 workshop is an international event that brings together researchers from Europe and the United States to explore the deepening connection between Machine Learning (ML) and Partial Differential Equations (PDEs). With participants from diverse backgrounds, this event aims to establish a collaborative platform for experts to network, share insights, and drive progress in these exciting fields.

We will dive into recent theoretical advancements and applications, while also discussing ongoing challenges in areas such as:

- Control and PDE methods for universal approximation and data classification
- Mean field analysis of Neural Networks
- ML applications in traffic flow modeling and autonomous driving
- ML and numerical simulation in bio-mechanics and micro-fluidics



Machine Learning and PDEs

#MLPDES25 WORKSHOP

April 28 - 30, 2025

ERLANGEN - BAVARIA, GERMANY



WHEN

Mon.-Wed. April 28 - 30, 2025

09:00H - 17:00H

WHERE

Onsite. FAU, Friedrich-Alexander-Universität Erlangen-Nürnberg
Senatssaal (Senate Hall) im Kollegienhaus

Universitätsstraße 15, 91054 Erlangen - Bavaria, Germany

Online. Live streaming (link on website)

REGISTRATION

Free but mandatory.

Registration form: www.dcn.nat.fau.eu/mlpdes25-registration



www.mod.fau.eu/mlpdes25

SCIENTIFIC COMMITTEE

- Giuseppe Maria Coclite. Politecnico di Bari
- Enrique Zuazua. FAU, Friedrich-Alexander-Universität Erlangen-Nürnberg

ORGANIZING COMMITTEE

- Darlis Bracho Tudares. FAU, Friedrich-Alexander-Universität Erlangen-Nürnberg
- Nicola De Nitti. EPFL, École Polytechnique Fédérale de Lausanne
- Lorenzo Liverani. FAU, Friedrich-Alexander-Universität Erlangen-Nürnberg

AUDIENCE

This international workshop is open to: Public, Students, Postdocs, Professors, Faculty, Alumni and the scientific community all around the world.

