Session Program

Mar 2 – 4, 2026

Data-driven methods for partial differential equations

Poster blitz, poster session, and welcome reception

Karlsruhe Institute of Technology

Mon, March 2

6:15 PM

Poster blitz, poster session, and welcome reception
Session | **Location:** Triangel, Kaiserstraße 93, 76133 Karlsruhe

6:15 – 6:18 PM

Neural semi-Lagrangian method for high-dimensional advection-diffusion problems

Speaker
Laurent Navoret

6:18 – 6:21 PM

Prediction error certification for PINNs: Theory, computation and application

Speaker
Birgit Hillebrecht

6:21 – 6:24 PM

Posterior contraction under misspecification and heteroskedasticity in non-linear inverse problems

Speaker
Maximilian Siebel

6:24 – 6:27 PM **Geometric Optimization in Scientific Machine Learning**

Speaker
Johannes Müller

6:27 – 6:30 PM **Hyperbolic Traffic Models with Uncertain Accident Dynamics**

Speaker
Thomas Schillinger

6:30 – 6:33 PM **Exploratory computation of statistical Navier–Stokes solutions**

Speaker
Stephan Simonis

9:15 PM