

Session Program

16-20 Jun 2025

**Frontiers of Multi-scale Modeling in
Materials, Energy & Catalysis XI**

Session 8

Friday 20 June

11:20

Session 8: Catalysis and Multiscale Modelling

Session |**Location:** Haus der bayerischen Landwirtschaft, Rieder Str. 70, 82211 Herrsching am Ammersee, Germany

11:20–11:40

Bayesian Inference for Chemical Kinetics Models via Normalizing Flows

Speaker

Andreas Panagiotopoulos

11:40–12:00

Understanding Catalyst Restructuring with Automatic Process Exploration and Local Environment Analysis

Speaker

Patricia Poths

12:00–12:20

Efficient Kinetic Monte Carlo Simulations of Ionic Transport with Long-Range Coulomb Interactions on Cubic Lattices

Speaker

Roya Ebrahimi Viand

12:20