Session Program

September 29, 2025 to October 1, 2025

European Conference on Computational Optimization 2025 (EUCCO 2025)

Q1 - Model-Order Reduction for Optimization and Control (MROC)

Alpen-Adria-Universität Klagenfurt

Mon, September 29

10:30 AM

Q1 - Model-Order Reduction for Optimization and Control (MROC)

Session | **Location:** HS 2

10:30 – 11:00 AM

Two-stage model reduction for the solution of parametrized optimal control problems

Speaker
Hendrik Kleikamp

11:00 – 11:30 AM

Optimal control for a class of linear transport-dominated systems via the shifted proper orthogonal decomposition

Speaker
Tobias Breiten

11:30 AM – 12:00 PM **MOR and MPC: Certified approximations for switched systems**

Speaker
Benjamin Unger

12:00 – 12:30 PM

Reduced Order Model Predictive Control for Parametrized Partial Differential Equations

Speaker
Martin Grepl

12:30 PM