

Session Program

Apr 27 - 30, 2026



NextGen Synergy: Control Theory and Machine Learning

SESSION X

Faculty of Economics and Management, Czech University of Life Sciences
Kamýcká 129, 165 00 Prague

Wed, April 29

2:00 PM

SESSION X

Session | Location: Lecture hall EI, PEF

2:00 - 2:20 PM

A polynomial approximation scheme for nonlinear model reduction by moment matching

2:20 - 2:40 PM

Policy gradients for deep directional reinforcement learning

2:40 - 3:00 PM

On the Local Stabilisation of Interacting Particle Systems and its Connection to Energy Convexification

3:00 - 3:20 PM

Mathematical Modelling and Model-Based Control Design for Energy-Optimal Motion of Industrial Robots

3:20 - 3:40 PM

An efficient and adaptive machine learning surrogate for optimal control in enhanced oil recovery

3:40 PM