

Presentations

Summer School on Nonlinear Optimization with Mixed Integer and Complementarity Constraints – NOMICC26

NOMICC26 participants

October 2, 2026

The presentations

1. **Hoop tossing with friction**
Brendan Pousett
2. **Catching and nonprehensile manipulation**
Zemerart Asani
3. **CyberRunner light**
Jonas Breuling
4. **Reformulating Signal Temporal Logic with Complementarity Constraints**
Matisse Teuwen
5. **Spacecraft Docking with plume impingement constraint**
Giuseppe Soldati

The presentations (continued)

6. **Cheaper Riccati Recursions and Better-Conditioned KKT Systems for Optimal Control**
Shaohui Yang
7. **A Global Optimization framework for nonconvex Mixed Integer Nonlinear optimization in Minotaur Solver**
Neeraj Kumar
8. **Development of an Automatic Take-off and Landing System for Airborne Wind Energy at the University of Porto**
Rui Carvalho da Costa and Huu Thien Nguyen
9. **Autonomous Racing with Jumps**
Lukas Vogel
10. **Extrusion Control of Fused Filament Fabrication (FFF) Processes**
Rawan Hoteit

The presentations (continued)

11. **Interactive MPCC & NMPC for legged locomotion**

Manuel Yves Galliker