

11th ENNSD Symposium, 9-11 October 2024,
Eindhoven University of Technology, the Netherlands

Program

Wednesday, 9 October

All Wednesday's talks are taking place at **room 0.262** of the **Neuron building**, at the **TU Eindhoven** campus.

12.00 – 13.30	<i>Lunch and registration</i> Location: Zwarte Doos, TU Eindhoven campus
14.00 – 14.15	<i>Opening Remarks</i> Location: room 0.262, Neuron building, TU Eindhoven campus
14.15 – 15.00	Speaker: Bernard Brogliato, INRIA- Univ. Grenoble Alpes, France Title: Euler implicit time-discretization and analysis of differential-algebraic linear complementarity systems using passivity
15.00 – 15.45	Speaker: Simon Eugster, Eindhoven University of Technology, the Netherlands Title: Cardillo - An open source simulation framework for flexible multi-body systems with frictional contacts and impacts
15.45 – 16.15	<i>Break</i>
16.15 – 17.00	Speaker: Raphael Jungers, UC Louvain, Belgium Title: A comprehensive framework for (data-driven) symbolic control
17.00 – 17.45	Speaker: Sigurdur Hafstein, University of Iceland, Iceland Title: Piecewise linear and piecewise quadratic Lyapunov functions for switched linear systems by linear programming

Thursday, 10 October

All Thursday's talks are taking place at **room 0.262** of the **Neuron building**, at the **TU Eindhoven** campus.

09.00 – 09.45	Speaker: Jorge Cortes, UC San Diego, California, United States of America Title: The safe gradient flow: a system-theoretic approach to anytime constrained optimization through control barrier functions
---------------	---

09.45 – 10.30	<p>Speaker: Giannis Delimpaltadakis, Eindhoven University of Technology, the Netherlands</p> <p>Title: Continuous Approximations of Projected Dynamical Systems via Control Barrier Functions</p>
10.30 – 11.00	<i>Break</i>
11.00 – 11.45	<p>Speaker: Carlo Cenedese, TU Delft, the Netherlands, and ETH Zurich, Switzerland</p> <p>Title: On the design and analysis of distributed control systems: interconnection of physical and decision systems</p>
11.45 – 12.30	<p>Speaker: Pietro Lorenzetti, CRAN, CNRS, Université de Lorraine, France</p> <p>Title: Projected Integral Controllers</p>
12.30 – 14.15	<p><i>Lunch</i></p> <p>Location: University club, Atlas building, TU Eindhoven campus</p>
14.15 – 15.00	<p>Speaker: Giuseppe Belgioioso, KTH Royal Institute of Technology, Sweden</p> <p>Title: Online Feedback Optimization for Complex Systems</p>
15.00 – 15.45	<p>Speaker: Sebastiaan van den Eijnden, Eindhoven University of Technology, The Netherlands</p> <p>Title: Incremental Input-to-State Stability for Discontinuous Dynamical Systems with First-Order Projection Elements</p>
15.45 – 16.15	<i>Break</i>
16.15 – 17.00	<p>Speaker: Pauline Bernard, Mines Paris – PSL, France</p> <p>Title: Observer Design for Hybrid Systems</p>
17.00 – 17.45	<p>Speaker: Romain Postoyan, CNRS, France</p> <p>Title: A hybrid approach for the estimation of the minimum and maximum states of charges of lithium-ion battery packs</p>
19.00	<p><i>Dinner</i></p> <p>Location: Fifth NRE restaurant, Eindhoven</p>

Friday, 11 October

All Friday's talks are taking place at **Auditorium 12** of the **Auditorium building**, at the **TU Eindhoven** campus.

09.00 – 09.45	Speaker: Moritz Diehl, University of Freiburg, Germany Title: Finite Elements with Switch Detection for Numerical Optimal Control of Projected Dynamical Systems
09.45 – 10.30	Speaker: Juan Peypouquet, University of Groningen, the Netherlands Title: Accelerated and optimized (proximal-)gradient methods under a high resolution perspective
10.30 – 11.00	<i>Break</i>
11.00 – 11.45	Speaker: Aneel Tanwani, CNRS – LAAS, France Title: Measures-based Formalism for Control of Nonsmooth Systems
11.45 – 12.30	Speaker: Elena Petri, Eindhoven University of Technology, the Netherlands Title: Hybrid multi-observer for improving estimation performance
12.30 – 12.45	<i>Closing Remarks</i>
12.45 – 14.15	<i>Lunch</i> Location: Hubble, TU Eindhoven campus