

IEEE CSS TC Outstanding Student Paper Prize Winners

This year, the Technical Committee (TC) Outstanding Student Paper Prizes continued with seven TCs awarding prizes. These prizes aim to recognize young talent associated with a technical area and promote student membership and participation in the TCs. The prizes are awarded by each TC to a student who is the primary author of a paper in the previous year's IEEE Conference on Decision and Control (CDC) or the previous year's IEEE Conference on Control Technology and Applications (CCTA). The nomination and selection of the prizes are carried out by the TCs with oversight of the CSS vice-president for technical activities. The participating TCs and award winners are as follows.



D. R. Agrawal

Aerospace Control TC Outstanding Student Paper Prize to D. R. Agrawal for the paper "Sensor-Based Planning and Control for Robotic Systems: Introducing Clarity and Perceivability," *IEEE Control Systems Lett.*, vol. 7, pp. 2623–2628, 2023. Coauthor: D. Panagou.



Sander Thuijsman

Discrete Event Systems TC Outstanding Student Paper Prize to Sander Thuijsman for the paper "Transformational Supervisor Localization," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: Kai Cai and Michel Reniers.

Distributed Parameter Systems TC Outstanding Student Paper Prize to Alexander Kilian for the paper "A Case Study

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of Port-Hamiltonian Systems With a Moving Interface," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: Bernhard Maschke, Andrii Mironchenko, and Fabian Wirth.



P. F. De Paola

Healthcare and Medical Systems TC Outstanding Student Paper Prize to P. F. De Paola for the paper "The Long-Term Effects of Physical Activity on Blood Glucose Regulation: A Model to Unravel Diabetes Progression," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: A. Paglialonga, P. Palumbo, K. Keshavjee, F. Dabbene, and A. Borri.



Adrien Banse

Hybrid Systems TC Outstanding Student Paper Prize to Adrien Banse for "Data-Driven Abstractions via Adaptive Refinements and a Kantorovich Metric," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: Licio Romao, Alessandro Abate, and Raphaël M. Jungers.



Zishuo Li

Networks and Communication Systems TC Outstanding Student Paper Prize to Zishuo Li for the paper "Secure State Estimation With Asynchronous Measurements

Against Malicious Measurement-Data and Time-Stamp Manipulation," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: Anh Tung Nguyen, André M. H. Teixeira, Yilin Mo, and Karl H. Johansson.



Faiq Ghawash

Process Control TC Outstanding Student Paper Prize to Faiq Ghawash for the paper "Approximate Model Predictive Control of Switched Affine Systems Using Multitask Learning With Safety and Stability Guarantees," *2023 62nd IEEE Conference on Decision and Control (CDC)*. Coauthors: Horten Hovd and Brad Schofield.



Ehsan Sabouni

Smart Cities TC Outstanding Student Paper Prize to Ehsan Sabouni and H.M. Sabbir Ahmad for the paper "Optimal Control of Connected Automated Vehicles With Event-Triggered Control Barrier Functions: A Test Bed for Safe Optimal Merging," *2023 62nd IEEE Conference on Decision and Control (CDC)*.



H. M. Sabbir Ahmad