18th Workshop on Discrete Event Systems 2026

Eindhoven, The Netherlands — June 8-10, 2026

The interdisciplinary field of Discrete Event Systems (DES) brings together researchers from academia and industry that use diverse formalisms, methods, and tools from control theory, computer science, electrical and mechanical engineering and operations research. Research in DES is driven by the demands of a wide range of application areas, including manufacturing, process control, supervisory control, software engineering, and transportation.

The Workshop Series on Discrete Event Systems started in 1992 and has been held every two years. It aims to provide researchers from different fields (control theoreticians and control engineers, software engineers and computer scientists) with an opportunity to exchange information and new ideas, and to discuss new developments in the field of DES theory and application.

The 18th Workshop on Discrete Event Systems offers a platform for researchers across these domains to share insights, explore new ideas, and discuss the latest advances in DES theory and its practical applications. The workshop will cover all topics in DES theory and applications, including (but not limited to) the following:

- Academic and industrial formalisms and modeling methodologies such as Petri nets, automata, state charts, max-plus algebra, queueing networks, etc.
- Control of DES with emphasis on supervisory control and on real time control
- Cyber-security of DES
- Methods and applications involving performance evaluation, optimization, scheduling, diagnosis, fault detection, testing, and system identification
- Model- and synthesis-based engineering: automation methods and software tools enabling efficient handling of industrial-sized systems (from requirements engineering to implementation)
- Applications of DES including manufacturing systems, transportation systems, distributed systems, software engineering, home automation, telecommunication systems, biological systems, robotic systems, etc.
- Discrete-event, discrete-state and discrete-time approaches for modelling, analysis and control of hybrid, stochastic and cyber-physical systems
- Discrete-event simulation approaches
- AI-integration in DES

WODES 2026 will be held at the premises of Eindhoven University of Technology (TU/e) in Eindhoven. Eindhoven offers a vibrant mix of innovation, art, and history. Explore the *Van Abbemuseum*, home to modern masterpieces by Picasso and Kandinsky. Step into the *Philips Museum* to trace the city's tech legacy from light bulbs to electronics. The *DAF Museum* showcases vintage vehicles and Dutch automotive ingenuity. Admire the neo-Gothic beauty of *St. Catherine's Church*, a city landmark. Wander through *Strijp-S*, a creative district buzzing with design studios and cafés. Travel back in time at the *Prehistoric Village*, an open-air museum with hands-on history. And don't miss the futuristic *Evoluon*, a UFO-shaped icon of innovation.

Information

Email: wodes2026@tue.nl

www: wodes2026.events.tue.nl

Key dates

special session proposals:	November 7, 2025
decision notification on special session:	November 21, 2025
paper submission:	December 19, 2025
acceptance notification:	March 13, 2026
final submission & early registration:	April 17, 2026

Organizing committee

Michel Reniers	general chair
Martin Fabian	general vice chair
Cristian Mahulea	IPC chair
Patricia Nascimento Pena	IPC vice chair
Martijn Goorden	IPC vice chair & editor
Asia van de Mortel-Fronczak	local arrangements chair

Steering committee

Francesco Basile, Italy
João Carlos Basilio, Brazil
Maria Pia Fanti, Italy
Christoforos Hadjicostis, Cyprus
Jan Komenda, Czech Republic
Michel Reniers, Netherlands
Karen Rudie, Canada
Yorai Wardi, USA

International Program Committee

Anne-Kathrin Schmuck, Germany
Antoine Girard, France
Antonio Eduardo Carrilho da Cunha, Brazil
Armand Toguyéni, France
Bart De Schutter, Netherlands
Bengt Lennartson, Sweden
Benoit Iung, France
Carla Seatzu, Italy
Carlos Andrey Maia, Brazil
Christoforos Hadjicostis, Cyprus
Christos G. Cassandras, United States
Cristian Mahulea, Spain
Dimitri Lefebvre, France
Ernesto López-Mellado, Mexico
Francesco Basile, Italy
Gregory Faraut, France
Hervé Marchand, France
Hesuan Hu, China
Jan H. van Schuppen, Netherlands
Jan Komenda, Czech republic
João Carlos Basilio, Brazil
Kai Cai, Japan
Laurent Hardouin, France
Laurie Ricker, Canada
Lilian Kawakami Carvalho, Brazil
Marcos Vicente Moreira, Brazil
Maria Pia Fanti, Italy
Mariagrazia Dotoli, Italy
Marius Kloetzer, Romania
Martijn Goorden, Netherlands
Martin Fabian, Sweden
Max Hering de Queiroz, Brazil
Mengchu Zhou, United States
Michel Reniers, Netherlands
NaiQi Wu, China
Olivier H. Roux, France
Patricia Nascimento Pena, Brazil
René K. Boel, Belgium
Roberto Cordone, Italy
Rômulo Meira-Góes, United States
Rong Su, Singapore
Shaolong Shu, China
Shigemasa Takai, Japan
Spyros Reveliotis, United States
Thomas Moor, Germany
Tomáš Masopust, Czech republic
Ton J. J. van den Boom, Netherlands
Toshimitsu Ushio, Japan
Xiang Yin, China
Xiao Feng, China
Yin Tong, China
Yorai Wardi, United States