WODES 2022
September 7-9, 2022
Prague, Czech Republic
16th IFAC Workshop on Discrete Event Systems

The interdisciplinary field of Discrete Event Systems (DES) combines different formalisms, methodologies and tools from control, computer science and operations research. The research activity in this field is driven by the needs of many different applications domains such as manufacturing, process control, supervisory systems, software engineering, 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, operations research specialists) with an opportunity to exchange information and new ideas, and to discuss new developments in the field of DES theory and application.

DES and cyber-physical systems often operate in open and interactive environments and their communication with the outside world may reveal some important secrets of the system. Particularly encouraged are results relating to security and safety properties for cyber-physical systems. Similarly, new results in real-time systems with applications in manufacturing are welcome.

The workshop covers all topics in discrete event theory and applications, including (but not limited to) the following:

- Formalisms and modelling methodologies: Petri nets, state automata, statecharts, process algebras, max-plus-algebra,
- Control of discrete-event systems with emphasis on supervisory control and on real time control
- Performance evaluation, diagnosis, optimisation, implementation and scheduling
- Discrete approaches of hybrid systems and reactive systems
- Applications including manufacturing systems, transportation systems, process control, distributed systems, software engineering, office automation, workflow, protocols,
- Emerging applications in telecommunication systems and related fields: performance evaluation, on-line control
- Security properties for cyber-physical systems and real-time systems

WODES 2022 will be held at the premises of the Czech Institute of Informatics, Robotics, and Cybernatics Czech Technical University in Prague (CIIRC CTU). The building with a unique architecture is located a little North-West of the Prague Castle.

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February 15, 2022
Special session proposals
March 15, 2022
Paper submission
May 31, 2022
Best Student Paper Award
June 5-10, 2022
Acceptance notification
July 10, 2022
Final submission and early registration
September 7-9, 2022
Date of workshop
Paper Submission
Prospective participants are invited to electronically submit regular papers following the instructions on the website. The presented papers will be further screened for possible publications in international journals. All papers must be submitted electronically through the PaperCept Conference Management System at http://ifac.papercept.net/conferences/ and following the link “Submit a contribution to WODES 2022”.

Format and Submission Guidelines
Authors are advised to read the information provided at https://www.ifac-control.org/events/author-guide to assist authors submitting papers to IFAC meetings. Using this information, you will be able to prepare your paper in the appropriate form for inclusion in the meeting Proceedings. For the purpose of review only, manuscripts up to eight (8) pages long in the standard two-column conference format will be considered. However, normal length for the final manuscript is limited to six (6) pages. Papers exceeding the normal length may be submitted upon payment of over-length page charges for each page in excess of six. A maximum of two extra pages above normal six are permitted.

Special Sessions Proposal
Proposals for special sessions are submitted through PaperCept following the link for Invited Session proposal. The proposal for a special session should also be sent by the organizers to the IPC Chairs via email to wodes2022@math.cas.cz and should include:
- Title of the session and keywords,
- Names, affiliations and contact addresses of the organizers, including email addresses,
- Description and aim of the proposed session,
- Titles of the contributions, together with the names and contact addresses of the contributing and committed authors.

Special Sessions Papers
Special session papers will follow the same schedule and reviewing process as regular papers. They must also be submitted through PaperCept following the link for invited papers. When submitting a special session paper the authors should specify the session code that has been sent to them by the session organizers.

Demonstrator Papers
Demonstrator papers must be submitted through PaperCept following the link for demonstrator papers. This information will be forwarded to the reviewers for contextualized review of the contribution. It will also be used by the IPC to compose the program. Papers presenting a demonstrator will have the same status as any other WODES paper.

Best Student Paper Award
- **Purpose:** To recognize excellence in a conference paper contribution whose primary author is a student.
- **Basis:** Originality, clarity, and potential impact on practical applications or theoretical foundations of control.
- **Procedure:** To be eligible, the primary author must be a student at the time of original submission and the paper must have been accepted for presentation at the WODES 2022.
- **Download and fill out the WODES 2022 Best Student Award Nomination Form** (not available yet);
- **Send the filled nomination form to wodes2022@math.cas.cz**;
- **Important information:** The nominating form must be filled out in full containing the following information:
  1. A paragraph with a brief description of the contribution of the paper and the main reason why the paper is being nominated for the award.
  2. A paragraph certifying that the nominee is the main author of the paper and was a student at the time of the paper submission.
  3. The advisor’s telephone number and e-mail address.
  4. The original submission number assigned by PaperCept.
  5. The student has to present the paper during the workshop.

Nominations are limited to one per advisor.

**Nominations Open:** May 31, 2022
For inquiries, send email to the conference secretariat at: wodes2022@math.cas.cz

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