



WODES
2024

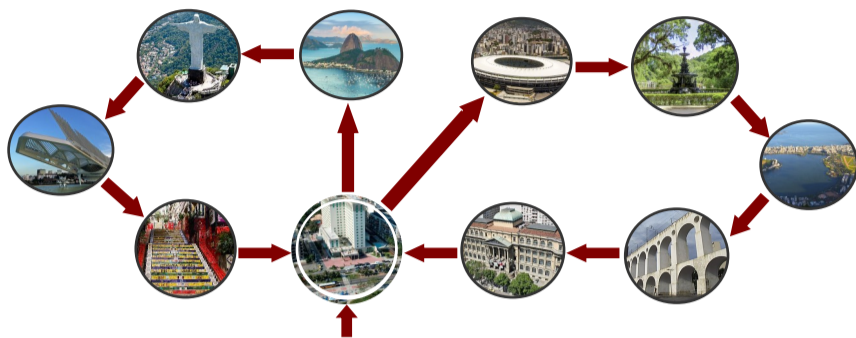
17h IFAC Workshop on
Discrete Event Systems

April 29th – May 1st Rio de Janeiro, Brazil



Call For Papers

wodes2024.eventos.ufrj.br



João Carlos Basilio (General Chair)

Federal University of Rio de Janeiro,
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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: manufacturing, process control, supervisory systems, software engineering, transportation, etc. The 17th Workshop on Discrete Event Systems aims at providing 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 applications. The workshop will cover all topics in DES theory and applications, including (but not limited to) the following:

- Formalisms and modeling methodologies: Petri nets, automata, state charts, process algebras, max-plus algebra, queueing networks;
- Control of discrete-event systems with emphasis on supervisory control and on real time control;
- Performance evaluation, optimization and scheduling; Diagnosis, fault detection, test, identification;
- Discrete approaches for hybrid systems;
- Event-driven methods in systems and control;
- Applications including manufacturing systems, transportation systems, power production, distributed systems, software engineering, home automation, workflow, telecommunication systems, biological systems;
- Automation methods and software tools enabling efficient handling of industrial-sized systems.
- Cyber-security of networked systems modeled by discrete event models



WODES 2024 will be held at Windsor Barra Hotel and it is organized by the Federal University of Rio de Janeiro (UFRJ). The venue is located at Barra da Tijuca beach, a pleasant neighborhood with an active commerce and in a walking distance of a subway station. The subway is a secure way of transportation through the city and it provides easy access to most of the main tourist attractions of the city of Rio de Janeiro, such as the South and West Zone Beaches, Cristo Redentor, Sugarloaf mountain, Museum of Tomorrow, Selarón Steps, Maracanã Stadium, Botanic Garden, Rodrigo de Freitas Lagoon, Carioca Aqueduct (Arcos da Lapa), and the National Library.

Key Dates:

Special Session Proposals due: ~~October, 11th 2023~~ October, 20th 2023

Decision notification on Special Session proposals October, 25th 2023

Submission site opens: November, 11th 2023

Initial paper submission due: December, 11th 2023

Decision notification: February, 11th 2024

Final submission site opens: March, 4th 2024

Final paper submission due: March, 11th 2024

Submission details can be obtained from the conference website.



UFRJ
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DO RIO DE JANEIRO





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Call For Papers

General Information:

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 2024".

Format and Submission Guidelines:

Authors are advised to read the information provided at [IFAC 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.

Regular papers must be between 4 (minimum) and 6 (maximum) pages in the final version.

<https://www.ifac-control.org/conferences/authors-guide>

And no extra page charge is allowed in any case.

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 wodes2024@dee.ufrj.br and should include: Title of the session and keywords, Names, affiliations and contact addresses of the organizers, including email addresses, Description and aim.

Special Sessions Paper:

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 2024.

- Download and fill out the Wodes 2024 Best Student Award Nomination Form (not available yet);
- Send the filled nomination form to wodes2024@dee.ufrj.br;
- 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.

For inquiries, send email to the conference secretariat at: wodes2024@dee.ufrj.br

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