



WODES 2020

15th IFAC WORKSHOP ON DISCRETE EVENT SYSTEMS

13-15 May, Rio de Janeiro, Brazil



FINAL CALL FOR PAPERS

wodes2020.eventos.ufrj.br

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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 **15th 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.



WODES 2020 will be held at Military Institute of Engineering (IME), which, together with Polytechnic School of the Federal University of Rio de Janeiro, is the oldest engineering school of all Americas. It is located at the pleasant neighborhood of Urca, opposite to Praia Vermelha (Red Beach) and next to the Cable Station to Sugar Loaf. It stays a few minutes away from the famous beaches of Copacabana, Ipanema and Leblon.

Special Session Proposals Due: **October, 31st 2019**

Submission Site Opens: **November, 10th 2019**

Initial Paper Submission Due: **December, 23rd 2019**

Decision Notification: **February, 17th 2020**

Registration Site Opens: **February, 24th 2020**

Final Submissions Due: **March, 9th 2020**





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Submission

All papers must be submitted electronically through the PaperCept Conference Management System at <http://ifac.paperecept.net/conferences/> and following the link "Submit a contribution to WODES 2020".

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 wodes2020@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 of the proposed session, Titles of the contributions, together with the names and contact addresses of the contributing and committed authors.

Special Sessions 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 2020.
- Download and fill out the Wodes 2020 Best Student Award Nomination Form (not available yet);
- Send the filled nomination form to wodes2020@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.

Nominations Open: Soon

Nominations Close: Soon

For inquiries, send email to the conference secretariat at: wodes2020@dee.ufrj.br

All publication material submitted for presentation at an IFAC-sponsored meeting (Congress, Symposium, Conference, Workshop) must be original and hence cannot be already published, nor can it be under review elsewhere. The authors take responsibility for the material that has been submitted. IFAC-sponsored conferences will abide by the highest standard of ethical behavior in the review process as explained on the Elsevier webpage (<https://www.elsevier.com/authors/journal-authors/policies-and-ethics>), and the authors will abide by the IFAC publication ethics guidelines (<https://www.ifac-control.org/events/organizers-guide/PublicationEthicsGuidelines.pdf/view>).

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