



UNIVERSITÀ DEGLI STUDI
DI SALERNO

CALL FOR PAPER

14th Workshop on Discrete Event Systems

SORRENTO COAST, ITALY

May 30 - June 1, 2018

<http://wodes2018.unisa.it/>

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IMPORTANT DATES

Special Session Proposals

November 15, 2017

Paper submission

December 4, 2017

Acceptance Notification

February 28, 2018

Final Submission

March 15, 2018

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 **14th Workshop on Discrete Event Systems (WODES'18)** 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, queuing network
- 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 2018 will be held at **Towers Hotel Stabiae Sorrento Coast**, a modern four-star hotel located between the magnificent Gulf of Naples and the famous rocks of the Sorrento Peninsula. Its strategic location places the hotel in the center of the most enchanting touristic itineraries of the Campania region including the Amalfi Coast, Sorrento, Capri, Pompeii and Herculaneum.



<https://www.towershotelsorrento.com/en/>



I-CSS Italian Chapter
IEEE Control Systems Society





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Paper Submission and Publication

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 2018"

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 IEEE 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 session proposal

Special sessions offer a venue for presentations that focus on specific topics, and provide an opportunity to discuss challenging issues or common research problems. The format of special sessions consists of 4 to 6 presentations and allows a panel discussion led by the session chair(s), to motivate the exchange of opinions among presenters and participants. Special sessions papers will follow the reviewing process of regular papers. 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 wodes2018@unisa.it 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 are regular papers that will be selected on the same high peer-review standards as other regular papers and are intended to promote the excellence of colleagues involved in practical implementation of state-of-the-art control concepts in Discrete Event Systems. The exhibition will highlight the future applicative trends in the DES area. Demonstrator papers will be presented either at interactive sessions (for video or software demonstrators) or during one day within the demonstrators' exhibition. Interactive sessions will take place during 2-hour session slots. A desk will be allocated to each speaker with a TV screen to be connected to a laptop (laptops are not provided by the organization). The presenters will be encouraged to emphasize their contributions by means of videos, simulations, demonstrations of software tools, or in classical slideshow format.

Best student paper award

A best paper award will be granted to a MS or PhD student who signs the paper as the first author and presents the paper at the workshop

- **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.
- **Guidelines:** 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 2018. Further information will be made available before Final submission on this web page.

Copyright conditions

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