## 12th IFAC International Workshop on Discrete Event Systems

# WODES'14

**May 14-16, 2014, Paris - Cachan, France**

**http://wodes2014.lurpa.ens-cachan.fr**

## Call for Papers

### Program Committee Chairs

Jean-Jacques Lesage (France)
José E. Ribeiro Cury (Brazil)
Bengt Lennartson (Sweden)

### Steering Committee

Xiren Cao (China)
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Stephane Lafortune (USA), Chair
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Jörg Raisch (Germany)
Antonio Ramírez-Treviño (Mexico)

### Organizing Committee Chair

Jean-Marc Faure (France)

### Important Dates

Special sessions proposal:
• **October 31, 2013**
Paper submission:
• ~~November 8,~~ December 8, 2013
Paper acceptance notification:
• **February 13, 2014**
Final paper submission:
• **March 13, 2014**

### Conference Fees

• Early registration fee: 550 €
• Student registration fee: 350 €
• Early reg. deadline: April 1, 2014
• Late registration fee surcharge: 100 €
Standard registration fees include lunches, coffee breaks and a banquet to take place in a typical Parisian place

### Best student paper

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 during the workshop.

### Aims and Scope

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, and so on. Discrete Event Systems is now a mature field and many interesting applications have been developed. This 12th International Workshop on Discrete Event Systems will be hosted at ENS Cachan, France. 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 applications.

### Topics

The workshop will cover all topics related to Discrete Event Systems theory and applications, including (but not limited to) the following:

• Formalisms and modeling methodologies: Petri nets, automata, statecharts, process algebras, max-plus algebra, queuing 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
• Applications including manufacturing systems, transportation systems, power production, distributed systems, software engineering, home automation, workflow, protocols, telecommunication systems, biological systems...
• Automation methods and software tools enabling efficient handling of industrial-sized systems
• Computer tools for DES modeling, synthesis, analysis…

### Paper Submission and Publication

Prospective participants are invited to electronically submit full papers of their work following the instructions on the website. Conference proceedings will be published online on the IFAC-PapersOnLine website and will receive an ISBN number and the ISSN number of the series. The presented papers will be further screened for possible publication in IFAC Journals.

**Conference Secretariat: wodes2014@lurpa.ens-cachan.fr**