

Proposal for Special Session at IEEE WoDES 2016

Session Title: Modeling, Scheduling, and Optimization of Discrete-Event Engineering Systems

Goal:

Production systems, transportation systems, electric power transformation systems, networks, supply chain, and so on are systems on which we are dependent. It is a great challenge to effectively operate such systems. We need to effective model, schedule, optimize them to reduce cost, increase productivity, avoid conflict, guarantee safety, and save resource and energy. This special session aims to bring researchers, engineers, scientists, and managers engaged in research, development, and operation for such systems to tackle various modeling, scheduling, optimization issues. Prospective authors are invited to share their academic results and practical experiences to deal with the challenging problem in this area.

Suggested topics of this special session include (but not limited to):

- Modeling and performance analysis of discrete-event engineering systems;
- Scheduling and operations management of discrete-event engineering systems;
- Performance improvement, design optimization and optimal control of discrete-event engineering systems;
- Advance in the technology for the control and operations management of discrete-event engineering systems;

All the authors who are interested in submitting a paper to this special session are invited to contact the organizers to announce your contributions by December 20, 2015, and make your submission by January 8, 2016. Details for paper submission can be found on the website of WoDES 2016 (<http://wodes2016.diee.unica.it/submission1-6.html>).

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