

Special Session
Call for Papers
SMC2016 Special Session on
Discrete Event and Hybrid Systems

Special Session organizer

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Introduction/Call for Papers

Discrete event systems are used to describe very different aspects of the real world: computer systems, communication systems, manufacturing systems, power/energy systems, and traffic systems. Moreover, hybrid systems combine event-driven dynamics with conventional time-driven dynamics. As such, they encompass a larger class of systems within their structure, allowing for more flexibility in modeling dynamic phenomena.

The objective of the special session is to show the new frontiers in the application of typical tools and models of the discrete event and hybrid systems in order to provide an opportunity for the exchange of information and ideas among researchers and practitioners.

Indicative Topics/Areas

State estimation, identification, fault diagnosis, control
Optimization and scheduling
Discrete approaches for hybrid systems
Hybrid approaches for discrete event systems
Applications: Production systems, Transportation systems, Healthcare systems, Telecommunications, Workflow Systems, Power/energy systems, Logistics, Smart city.

The special session is submitted to Section:

Systems Science & Engineering

Important Dates

April 15, 2016 Extended deadline for submission of regular, special, short, demo, and poster sessions

May 25, 2016 Acceptance notification for all categories of papers and posters

July 9, 2016 Final camera-ready papers due for regular, special and demo paper sessions