

2014 International Conference on Control, Decision and Information Technologies



CoDIT'14

Call for papers -- Special Session on:
Control of Discrete Event Systems
 for CoDIT'14
 November 3-5, 2014 - Metz, France

Session organizers:

Achraf J. TELMOUDI, Sousse University, Tunisia
 Carla SEATZU, University of Cagliari, Italy

Session description:

Control theory for Discrete Event Dynamic Systems (DEDS) is motivated by the ordering of events or actions. Problems of control of DEDS arise in control engineering, computer engineering, and sciences. Areas in which DEDS control problems arise include manufacturing systems, automated guided vehicles, logistics, aerial vehicles, underwater vehicles, communication networks, mobile phones or chemical engineering systems, but also software systems on computers, laptops and readers. As a result of this, the research into control of DEDS is well motivated by engineering. However, several theoretical issues are open and this is the reason why a very active scientific community is still working in this area. In particular, due to complexity of nowadays systems, particular efforts are devoted to the design of efficient decentralized and distributed control approaches. The goal of this section is that of making the point on the state of the art in this area, collecting both significant examples of applications and theoretical results.

Topics of interest include, but are not limited to, the following topics:

- ▶ Control and monitoring of DEDS
- ▶ Supervisory control
- ▶ Distributed control
- ▶ Decentralized control
- ▶ State estimation
- ▶ Fault estimation
- ▶ Analysis of DEDS
- ▶ DEDS applications

Important dates:

Please submit your full paper or extended abstract of 2 to 3 pages choosing the right track on the EasyChair site:
<https://www.easychair.org/conferences/?conf=codit14>

June 20, 2014: deadline for paper submission (following the instructions in the conference web page)

July 10, 2014: notification of acceptance/rejection

September 10, 2014: deadline for final paper submission and registration.

