Call for Papers / Invitation to Special Session SS05

THEORY AND APPLICATIONS OF PETRI NETS

Special Session Organizers

Maria Paola Cabasino, University of Cagliari, cabasino@diee.unica.it
Lingxi Li, Indiana University-Purdue University Indianapolis (IUPUI), ll7@iupui.edu

Petri nets (PNs) were first introduced in the early 1960s by Carl Adam Petri in his PhD dissertation. Over the years they have been extended in many ways including time, data, and hierarchy. PNs are particularly useful for modeling concurrent, distributed, asynchronous behavior in a system, and offer a good trade-off between modeling power and analytical tractability. Nowadays they are considered as one of the main formalisms for the modeling, analysis, and control of discrete event systems, together with automata.

The objective of this special session is to gather original and recent approaches and applications that are based on Petri nets. The goal is to share new approaches for control, state estimation, diagnosis, etc., that can be applied in practical systems including manufacturing, transportation, communication, and to present interesting applications and case studies. This special session will offer the opportunity to investigate the complementarities and the links between them.

------------------------------------------------------------------------

SUBMISSION OF PAPERS
Papers are to be submitted electronically. For further details, please consult the conference web pages.

------------------------------------------------------------------------

AUTHOR'S SCHEDULE
Deadline for submission of papers: March 15, 2013
Notification of papers acceptance: May 15, 2013
Final manuscripts due: July 1, 2013
------------------------------------------------------------------------

www.etfa2013.org