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Thematic Session:
Delay Modeling and Constrained Control for Supply Network Systems

Proposed by:
Rosa ABBOU (LS2N – University of Nantes, FR)
Rosa.Abbou@ls2n.fr

Przemyslaw IGNACIUK (Technical University of Łódź, PL)
Przemyslaw.Ignaciuk@p.lodz.pl

Abstract

The proposed session is dedicated to problems of modeling, analysis, and control algorithm design for various types of networks and dynamic systems with delay. This proposed session aims to summarize recent developments in the field of dynamic and control of constrained delayed systems that includes different methods, and to attract high-quality papers detailing the most recent developments taking account uncertainties, dynamics, and disruptions in the networked systems. We welcome quantitative analysis contributions from different disciplines of control theory and system dynamics, discrete and hybrid approaches, that provide new insights into the theory and practice of networked dynamics, control, uncertainty and disruption management. The application areas encompass communication, logistic, and transport networks, remote steering, and networked control systems.