CALL FOR PAPERS
SPECIAL SESSION ON
"Modelling and Control: Data-Driven Approaches"
for CODIT'20
June 29 - July 2, 2020 ▪ Prague, Czech Republic

Session Chair:

Dr. **Vineet Vajpayee**, University of Portsmouth, UK (email: *Vineet.Vajpayee@port.ac.uk*)

Session description

This special session deals with the topics of data-driven process monitoring, modelling, and control. In the last few decades, the availability of large amounts of data from industries has led to widespread interest in data-based techniques. Consequently, there is a strong need for developing and testing of data-driven methods within the purview of control applications. System identification, soft computing, artificial intelligence, and machine learning methods are currently being explored and integrated to design data-driven techniques. The aim of this session is to provide researchers and engineers a platform to exchange their latest achievements on data-driven process monitoring, fault detection, modelling, and control and to discuss key issues, challenges, and possible future trends. Articles with industrial applications and implementation are of particular interest. The topics of interest include, but are not limited to:

- System identification
- Process monitoring
- Data-driven predictive control
- Data-driven optimal control
- Data-driven robust control
- Data-driven fault tolerant control
- Data-driven fault detection and isolation

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 24, 2020:**
http://controls.papercept.net/conferences/scripts/start.pl. In PaperCept, click on the **CoDIT 2020 link "Submit a Contribution to CoDIT 2020" and follow the steps.**

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

January 24, 2020: deadline for paper submission

April 10, 2020: notification of acceptance/reject

May 7, 2020: deadline for final paper and registration