CALL FOR PAPERS
SPECIAL SESSION ON
"Machine Learning Applications to Cyber-Physical Systems"
forCODIT'20
June 29 - July 2, 2020 ▪ Prague, Czech Republic

Session Co-Chairs:
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Session description

This special session deals with the problem of Machine Learning (ML), deep learning, and artificial intelligence in its various forms applied to the design and operation of cyber-physical systems. Due to widespread availability of high-performance computing, big data algorithms have been successfully applied to many complex engineering problems such as object recognition and cognitive reasoning. Even as general computing power is seeing vast increases for server-class applications, there is also an increasing desire to miniaturize and distribute processors and their connected sensors.

The goal is to invite original papers that address the application of Machine Learning in any form to the design or operation of cyber physical systems.

The topics of interest include, but are not limited to:

- ML for Embedded Systems
- ML for Sensor Data Fusion
- ML for Internet-of-Things (IoT)
- ML for Embedded Computer Vision
- ML Algorithms for the Design of Electronic Subsystems
- ML for Autonomous Navigation
- ML for Real-Time Decision Support

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January24, 2020: http://controls.papercept.net/conferences/scripts/start.pl**.InPaperCept, 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