



**CALL FOR PAPERS
SPECIAL SESSION ON**

**“Digital solutions: the chance and challenge in Large-Scale Systems Optimization”
for CODIT’20**

June 29 - July 2, 2020 ▪ Prague, Czech Republic

Session Co-Chairs :

Dr. Congcong Sun, Technical University of Catalunya, Spain (email: csun@iri.upc.edu)

Prof. Gabriela Cembrano, Spanish Research Council, Spain

Session description

This special session deals with the chance and challenge brought by digital solutions to the large-scale systems optimization. Due to the nowadays availability of large amount of data, as well as the recent development of digital techniques like data science, machine learning, etc., control and optimization of large-scale systems are also being affected. What kinds of challenge will have and how can this revolution contribute to the large-scale system optimization should be discussed.

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

- Data-driven optimization of large-scale systems
- The role of digital twin in large-scale management
- Control-oriented Modelling of large-scale systems based on data science
- Data-driven methods for optimizing smart water systems
- Intelligent decision systems for smart energy systems

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