



**CALL FOR PAPERS
SPECIAL SESSION ON**

**“Energy management systems: Sizing, Characterization, Management and monitoring”
for CODIT’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 sizing and energy management of Energy Storage Systems (ESS) for automotive applications. It can contain batteries, fuel cells or super capacitors dependably on Electric Vehicle (EV) requirement. The design of ESS can be affected directly by the Energy Management Strategy or the technology of the energy storage components. For this reason, a good choice of energy storage components as well as the development of management strategies can improve greatly the ESS performances.

The goal of this special session is to collect ideas and solutions concerned with sizing and power management strategies of hybrid sources.

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

- Battery Management Systems (BMS)
- Battery and Fuel cell multi-physic modelling
- State-of-Charge (SOC) and State-of-Health (SOH) estimation algorithms
- Energy management strategies in all electric aircrafts
- Control strategies for improving fuel cell and batteries lifetime

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