

CALL FOR PAPERS - SPECIAL SESSION

“Diagnosis and prognosis of energy storage systems for on board applications based on data driven”

For CODIT 2023

July03-06, 2023 ▪ Rome, Italy

Session Co-Chairs:

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Session description:

The proposed session focuses on development of diagnostic and prognostic methods for energy storage systems in particular for on board applications.

The aim of these methods is to continuously monitor the health of the battery during its life cycle, in order to detect degradation and anomalies due to the aging process, and to estimate the remaining life before the failure occurs. The results of the diagnosis and prognosis provide us with useful information for making decisions about maintenance strategies and prediction of the probable moment of failure, which is crucial of intelligent predictive maintenance.

The objective is to invite original papers that address state-of-the-art researches and developments as well as future trends in (but not limited to) the following thematic of interest in diagnosis and prognosis of energy storage systems for on board applications based on data driven.

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

- Diagnosis and prognosis
- Intelligent predictive maintenance
- Health monitoring system
- Corrective maintenance
- Diagnosis and fault tolerant control
- Estimation of SOC
- Energy management system

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 27, 2023**:

<http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2023 link**

“Submit a Contribution to CoDIT 2023” 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 27, 2023: deadline for paper submission

April 15, 2023: notification of acceptance/reject

May 20, 2023: deadline for final paper and registration