



CALL FOR PAPERS - SPECIAL SESSION

“Modeling, Monitoring, and Control of Energy Storage Systems”

For **CODIT 2026**

July13-16, 2026 ▪ Bari, Italy

Session Co-Chairs:

Prof. Moussa Boukhniifer, Université de Lorraine, France (moussa.boukhniifer@univ-lorraine.fr)

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Session description:

Energy storage systems play a crucial role in modern applications such as smart grids, hybrid power systems, and electric vehicles. By storing energy from renewable sources in batteries and supercapacitors, they enable cleaner and more efficient solutions when combined with intelligent energy management.

However, ensuring their reliability over time remains a major challenge. Energy storage devices inevitably age due to internal chemical processes and can also suffer from faults that affect performance or, in severe cases, compromise safety. Since these phenomena are complex and difficult to observe directly, modeling and monitoring approaches are essential to evaluate system health and support fault-tolerant control. Continued research in this area is therefore key to improving the safety and lifetime of energy storage systems.

This special issue invites original articles that address state-of-the-art researches and developments as well as future trends in (but not limited to) the following topics of interest in diagnostic and prognostic of energy storage system:

1. Estimation of states and parameters (SOC, SOH, OCV...etc)
2. Fault diagnosis
3. Prognostic
4. Fault tolerant control strategies, ...

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February07, 2026:**

<http://controls.papercapt.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2026** link “Submit a Contribution to CoDiT 2026” 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

February07, 2026: deadline for paper submission

April 30, 2026: notification of acceptance/reject

May20, 2026: deadline for final paper and registration