



11th International Conference on Control,
Decision and Information Technologies

July 15- 18, 2025

Split, Croatia

CALL FOR PAPERS - SPECIAL SESSION

“Energy Transition towards Green Energy Networks and Storage Systems: Management Strategies and Applications”

for **CoDiT 2025**

July 15-18, 2025 ▪ Split, Croatia

Session Co-Chairs:

Dr. Muhammad Bakr Abdelghany, Khalifa University, UAE – (email: muhammad.babdelghany@ku.ac.ae)

Dr. Carmela Bernardo, University of Sannio, Italy – (email: cbernardo@unisannio.it)

Session description:

This special session deals with the problem of climate change driven by greenhouse gas emissions, focusing on the transition to green energy sources, such as solar and wind power. Microgrids, as localized systems, can meet energy demands across residential, industrial, and transportation sectors. The integration of storage systems, such as hydrogen storage and batteries, enhances the reliability and flexibility of microgrids.

The goal is to explore strategies for managing and optimizing green energy networks and storage systems. Techniques such as Model Predictive Control (MPC), stochastic approaches, and game theory address challenges in green energy systems, including uncertainty management and resource allocation. This session aims to facilitate discussions on research, applications, and implementations that support the transition to sustainable and resilient energy networks.

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

- Analysis and monitoring of green energy networks
- Design and control of microgrids
- Integration of energy sources, microgrids, and smart grids
- Management, optimization, and diagnostic of energy storage systems
- Environmental impact of renewable energy technologies

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2025:**

<http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2025 link** “Submit a Contribution to CoDiT 2025” 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

February 07, 2025: deadline for paper submission

April 27, 2025: notification of acceptance/reject

May 17, 2025: deadline for final paper and registration