



CALL FOR PAPERS - SPECIAL SESSION

"Modeling, control and diagnosis of energy conversion systems"

for CODIT'22

May 17-20, 2022 ▪ Istanbul, Turkey

Session Co-Chairs:

Dr. Moussa Boukhniifer , Université de Lorraine, France, moussa.boukhniifer@univ-lorraine.fr

Dr. Abdelghani Harrag, Université de Sétif, Algeria, a.b.harrag@gmail.com

Session description

This special session deals with the issue of control and diagnosis of power conversion systems for different applications (stationary or embedded). Indeed, to obtain a high performance of these systems, an optimal control is necessary and to ensure the reliability of these system the diagnosis is an important step to detect the defects (electrical or mechanical). This diagnostic part is followed by a decision making, such as set point change, total stop of operation, maintenance, or control reconfiguration. We must therefore take into account many parameters such as modeling, design, control and diagnosis to ensure good performance and robustness of energy conversion systems

The goal is to to invite original papers that address the state of research and development as well as future trends in (but not limited to) the following topics of interest in the control and diagnosis of power conversion systems:

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

- Modeling of energy conversion systems
- Control of energy conversion systems
- Fault detection and diagnosis
- Fault tolerant control

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 04, 2022:**

<http://controls.papercapt.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2022** link "Submit a Contribution to CoDiT 2022" 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 04, 2022: deadline for paper submission

March 04, 2022: notification of acceptance/reject

March 30, 2022: deadline for final paper and registration