ICCAD'20
2020 INTERNATIONAL CONFERENCE ON
CONTROL, AUTOMATION AND DIAGNOSIS
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4th International Conference on Control, Automation and Diagnosis
July 1-3, 2020 at Paris, France.

CALL FOR PAPERS
SPECIAL SESSION ON
Special Session
Control, Energy Management and the Integration of Renewable Energy Sources applied to a Smart Home

for ICCAD'20
July 1-3, 2020, Paris-France

Session Co-Chairs:

- Said DRID, University of Batna 2, (Algeria), (s.drid@uni-batna2.dz)

- Larbi Chrifi-Alaoui, Université Picardie Jules Verne, (France), (larbi.alaoui@u-picardie.fr)

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Thematic:

Renewable energies are more often used together in order to have a local production that minimize the use of classical fuels and improves the reliability of the supplying in buildings. The Smart Building is nowadays one of the major challenges to reduce costs and resource consumption, and to engage more effectively and actively with its society.

The main objective of this special session is to bring the ideas of the worldwide research community into common platform, to present the latest developments in design, mathematical modeling, power control, and experimental implementation of renewable energies to supplying buildings. Topics of interest of this special session include, but are not limited to:

- Low-Energy Building
- Sustainable Building Technologies, Intelligent Buildings, Environmental Assessment in Buildings, Energy Distribution
- Energy Management, Energy saving, Energy Conservation.
- Converter techniques and topologies, MPPT, Grid-Connected System, Stand-Alone System, Hybrid System,
- Converter Battery Management, Battery Technology, Fuel Cells, Ultra capacitor, Battery Charger.
- Solar Thermal, Heat Utilization in Building
- New Technologies and Design for Energy Efficiency, New Technologies for Minimizing CO_2 Generation
- Control Strategies for Modern Power System Stability
- Modeling and Simulation of Power Systems
- Power System Analysis and Optimization

SUBMISSION

Papers must be submitted electronically for peer review by: **April 10, 2020**

http://www.iccad-conf.com/submission.html

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).