



# 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS

October 14-17, 2018, Paris/France

## Special session on

## Renewable Energies: Design, Control and Applications

### Abstract:

Renewable energies as: solar, wind, ... constitute excellent solutions to both the increase of energy consumption and environment problems. They are clean and constitute an alternative to meet the needs of today's society. These energies neglected in the past, find their proper place, obtained through researches and studies that are increasingly diverse and multidisciplinary.

The source of energy as solar and wind are subject of advanced research; the aim is to develop techniques for extracting power with high reliability, lower cost and increased energy efficiency

The goal of this session is to present last works on design, control and applications in wind energy conversion systems (WECS) and solar energy, to maximize the energy production in such systems and to increase their economic attractiveness.

### Topics:

- Onshore and offshore wind turbines
- Small wind turbines
- Marine current turbines
- Generators (DFIG, SG, PMSG, ...);
- Solar energy
- Use of Robust control;
- Design of observer ;

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### Papers submission deadline:

Full Paper Submission	June 30, 2016
Notification of Acceptance	August 15, 2018
Final Paper Submission	September 15, 2018

All the instructions for paper submission are included in the conference website:

<http://www.icrera.org>