



ICREGA'16
4TH INTERNATIONAL CONFERENCE ON
RENEWABLE ENERGY: GENERATION AND APPLICATIONS
BELFORT, FRANCE
8 – 10 FEBRUARY 2016



SS10

Special Session on
Hybrid Energy Storage Systems and their Management
towards Stationary or Transportation Applications

Chairmen: Dr. Samir JEMEI, University of Franche-Comté, FEMTO-ST (France)
samir.jemei@univ-fcomte.fr
Dr. Javier SOLANO MARTINEZ, Universidad Industrial de Santander (Colombia)
javiere.solanom@gmail.com

General Chairs:
 Dr. Mohamed Becherif
General Co-chairs:
 Pr. Daniel Hissel
 Pr. Abbas Fardoun
Honorary Chairs:
 Pr. Pascal Brochet
Program Chair:
 Pr. Abdel Aitouche
Organizing Chair:
 Dr. Haitham S. Ramadan
Exhibitions:
 Dr. Samir Jemei
Submission/Registration:
 Dr. Youcef Ait Amirat
Social Activities:
 Pr. M. Hilairat

ICREGA'16 aims at gathering scientists and engineers from academia and industry to discuss the generation and applications in the broad field of Renewable Energy (RE) applications.

Although there is a wide spectrum of energy storage technologies, most of electrified transportation or stationary systems are based on batteries. In order to provide more efficient systems, more than one energy storage device or energy source with complementary characteristics must be used in those applications. Technologies such as ultracapacitors, flywheels, compressed air, etc and other energy sources such as fuel cells, photovoltaic systems, wind energy systems, etc are still under research and development. Therefore, it is necessary to blend the individual performances of different Energy Storage Systems in order to present a competitive global performance. Thus, the development of an energy management system is a critical task to achieve the desired performances.

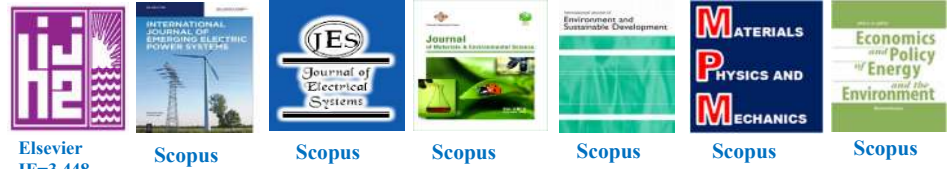
There are many research subjects on energy management and Hybrid Energy Storage Systems (HESS) that make such a field important to discuss, bringing together the expertise of a very broad range from industrial applications to academic studies. The topics of interest include but are not limited to:

- ☑ Energy storage systems (batteries, ultra capacitors, electrochemical capacitors, fuel cells, flywheels, etc.)
- ☑ HESS - energy management in HESS,
- ☑ Sizing, design and implementation of HESS and/or energy management strategies ,
- ☑ Modeling of HESS,
- ☑ Ageing of energy storage system – power electronics, ...

For submission: send directly to the special session chairmen (samir.jemei@univ-fcomte.fr) and (javiere.solanom@gmail.com) in addition to the online submission on:

<http://icrega16.utbm.fr/paper-submission/>

After covering the reviewers' comments, accepted papers that will be presented in the conference will be published in a scopus-indexed journal.



icrega16.utbm.fr

ICREGA'16 ♦ BELFORT, FRANCE ♦ 8-10 FEBRUARY 2016



Important dates for Special Session:
 Full Paper Submission: **Postponed to October 15, 2015**
 Notification of acceptance: **December 01, 2015**
 Camera ready paper submission: **January 15, 2016**

