

2014 International Conference on Control, Decision and Information Technologies



CoDIT'14

**Call for papers -- Special Session on:
Renewable Energy
for CODIT2014
November 3-5, 2014 - Metz, France**

Session chair

**Dr. Harry Ramenah, LCOMS Lab, ASEC Team, Université de Lorraine, France
HDR-Dr Camel Tanougast, LCOMS Lab, ASEC Team, Université de Lorraine, France**

Session description

Renewable energy sources (Solar PV, Wind, Fuel cells, etc.) become more and more important for the future smart energy network ranging residential systems industrial systems to generation systems and transportation. Overall, renewable sources with their variable capacity present a challenge for integration in residential sector, buildings, distribution networks and autonomous systems. The aim of this session is to address all the relevant aspects of the management of renewable energy integration in electrical power systems and transportations. Thus, this special session focuses on recent developments and research works in the area of optimization and management of fuels, accumulators and solar cells at the device level. Other types and technologies of renewable energy such as wind energy, tidal and wave energy, biomass and fuel cells, will be also discussed in this session, in addition to the integration of green energy in education and trends taking place in the world.

Major topics of interest include but are not limited to the following:

Topics

- ▶ *Power Electronics and Electric Motor Drivers*
- ▶ *Battery and Battery Management*
- ▶ *Fuel Cells and Application in Transportation*
- ▶ *Modelling, Simulation, Control and management aspects for integration of renewable energy*
- ▶ *Embedded & autonomous systems (electric or Hybrid Electric, and Plug-in Hybrid Electric Vehicle System and Architecture, buildings, etc.)*
- ▶ *Control algorithms for marine renewable energy converters*
- ▶ *Energy storage systems*
- ▶ *Power Devices and Driving Circuits for Renewable Energy Systems*

Submission

**Please submit your full paper or extended abstract of 2 to 3 pages choosing the right track on the EasyChair site:
<https://www.easychair.org/conferences/?conf=codit14>**

June 20, 2014: deadline for paper submission

July 10, 2014: notification of acceptance/reject

September 10, 2014: deadline for final paper and registration.