

2014 International Conference on Control,  
Decision and Information Technologies

CoDIT'14

Call for papers -- Special Session on:  
Lifetime management of sustainable energy production systems  
for CODIT2014

November 3-5, 2014 - Metz, France

## Session chair

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## Session description

Energy is one of the most important resources of the modern and industrialized societies. Conventional sources dwindle while having negative impacts on the environment. Sustainable energy production systems provide promising alternatives. However, for now, their production cost is higher compared to conventional energies. Thus, the reduction of the energy production cost and of the total ownership cost of sustainable energy production systems is a key factor for adopting this alternative by the production industry. One way to reduce the production cost consists in designing efficient approaches to control and manage the health of the energy production facilities in order to guarantee their ability to meet the customer expectations in terms quantity and quality. This requires 1) to design an efficient data collection process capable to provide valuable information on the evolution of the production systems on their lifetime, 2) to build sufficiently accurate dynamic models to monitor and diagnose their health conditions and to anticipate their behavior, 3) to generate robust control law able to absorb the fluctuations in energy consumption and 4) to work out the appropriate maintenance strategy to guarantee the durability of the facilities and their ability to accomplish the mission on the entire lifetime.

The aim of this special session is to gather valuable contributions in the field of modeling, monitoring, diagnosing and control of sustainable energy production systems.

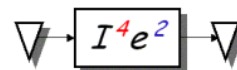
## Submission

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.



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