



INVITED SESSION SUMMARY

Title of Session:

Renewable Energies for Sustainable and Smart Manufacturing and Society

Name, Title and Affiliation of Chair:

Dr. Imene Yahyaoui
Federal University of Espiritu Santo, Brazil

Details of Session (including aim and scope):

Over the last few decades, due to the instability in fossil fuel prices, the continuous development in the renewable energy sources made them effective sources to produce electricity, that is used by industry or by public. However, the inherent variability of the sources and the variability of the energy demand side, mean that sustainable and smart management methods and designs must be adopted and applied, in addition to innovative solutions linked to renewable energies. Thus, this special session proposes to focus on the renewable energies impact on sustainable manufacturing and society, from the one hand, and intelligent decision supports methods and tools for sustainable manufacturing. The special session will bring together the recent trends in real-world applications for next generation of renewable energy sources application for sustainable and smart manufacturing and society.

For this special sessions, contributions must be devoted to renewable energy for sustainable and smart manufacturing and society, and be focused on the relevant topics:

Topics of Interest:

- Sustainable Manufacturing Processes and Technology.
- Control of Manufacturing Systems.
- Renewable Energy Systems for Manufacturing.
- Smart Building in Smart Grids.
- Control of Process Systems.
- Design of Control Systems.
- Hybrid Energy Systems.
- Renewable Energy for Sustainable Society.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Dr. Imene Yahyaoui, Federal University of Espiritu Santo, Brazil.
Pr. Marcell Segatto, Federal University of Espiritu Santo, Brazil.
Pr. Jussara Faradin, Federal University of Espiritu Santo, Brazil.
Pr. Moises Renato Ribeiro, Federal University of Espiritu Santo, Brazil.
Pr. Antonio Lecuona, University of Carlos 3, Madrid, Spain.

Website URL of Call for Papers (if any):**Email & Contact Details:**

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