



INVITED SESSION SUMMARY

Title of Session:

Impact of innovative integrated solar technologies on the energy performance of buildings

Name, Title and Affiliation of Chair:

Prof. Antonio Gagliano and Prof. Giuseppe Marco Tina - University of Catania

Details of Session (including aim and scope):

The aim of the ITST special session at SEB'13 and the 1st Mediterranean Green Energy Forum is to provide the opportunity for researchers (including masters and doctoral students), designers, developers, clients, industry personnel and other interested parties to present and review theoretical and applied work in the design, development, optimization, integration, and operation of building integrated solar energy systems

This special session aims finding suitable ways to implement and promoting excellence in solar building technology (not only PV) in design terms

We invite authors to submit original research and case studies on the latest developments and innovations in the use of solar technologies for building integration.

Potential topics include, but are not limited to:

- trends and development solar technologies applied to building envelope: solar thermal/cooling, photovoltaic (PV) and PV/T systems.
- energy assessment and performance monitoring of solar integrated systems;
- integration of solar systems in new and existing buildings, including retrofitting;
- optical, electrical and thermal analysis of Photovoltaic window or glazing modules;
- theoretical model and simulation of solar thermal, photovoltaic and PV/T production into the building;
- economic analysis and market potential for solar technologies for building integration;
- energy efficiency and load management.

Paper deadlines

Submission of Full Papers for Review: 16 January 2013

Notification of Acceptance and referees' comments: 16 February 2013

Upload of Final Camera-Ready Publication Files: 16 March 2013

Conference registration 16 June 2013

Main Contributing Researchers / Research Centres (tentative, if known at this stage):**Website URL of Call for Papers (if any):****Email & Contact Details:**

agagliano@diim.unict.it

giuseppe.tina@dieei.unict.it