



INVITED SESSION SUMMARY

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| Title of Session: The contribute of building integrated solar technologies to achieve the challenge of NET Zero Energy Building - NETZEB |
| Name, Title and Affiliation of Chair: Giuseppe Marco Tina, Prof. ;University of Catania Antonio Gagliano, Prof. ;University of Catania |
| Details of Session (including aim and scope): The aim of the special session The contribute of building integrated solar technologies to achieve the challenge of NETZEB at SEB'15 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: <ul style="list-style-type: none">- trends and development solar technologies applied to building envelope: solar thermal/cooling, photovoltaic (PV) and photovoltaic/thermal (PVT) 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 PVT production into the building;- monitoring and diagnostic of solar systems- economic analysis and market potential for solar technologies for building integration;- energy efficiency and load management |
| Main Contributing Researchers / Research Centres (tentative, if known at this stage): |
| Website URL of Call for Papers (if any): |
| Email & Contact Details: Giuseppe.tina@dieei.unict.it agagliano@dii.unict.it |