

International Conference on Sustainability in Energy and Buildings

Invited Sessions

Title of Session: Building integrated photovoltaic technology solutions for future zero energy buildings

Name of Chair:

Wilfried van Sark, Prof., Utrecht University
George Georghiou, Prof., University of Cyprus
Hubert Fechner, Prof., Fachhochschule Technikum Wien

Description:

The aim of this special session is to provide to the attendees of SEB-19 aesthetically pleasing examples of building integrated photovoltaic technology solutions that could help reaching future zero energy buildings.

Potential topics include, but are not limited to:

- innovative designs of aesthetically pleasing building integrated photovoltaic (BIPV) systems;
- performance assessment of BIPV assessment in the built environment;
- 3D planning tools and examples of new and renovation buildings and districts;
- optical, electrical and thermal analysis of BIPV elements;
- economic analysis and market potential for BIPV;
- life cycle analysis of BIPV elements
- integration of BIPV in the building electricity grid and load management
- initiatives for BIPV education on academic and professional levels

This session will provide ample opportunities for researchers (including masters and doctoral students), architects, designers, system and building developers, and other stakeholders to present and review theoretical and applied work in the design, development, optimization, integration, and operation of BIPV systems.

We thus invite authors to submit original research and case studies on the latest developments and innovations in BIPV.

Website URL (if any):

Email & Contact Details:

w.g.j.h.m.vansark@uu.nl
hubert.fechner@technikum-wien.at
geg@ucy.ac.cy