

**International Conference on Sustainability in Energy and Buildings**  
**Special Session**

**Title of Session:**

***Building-Integrated Photovoltaics  
for the Mediterranean and Semi-Arid Climates***

**Name of Chair:**

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**Description:**

A large portion of the energy in many countries is consumed in buildings given the cooling and/or heating loads. Sustainable buildings that can generate at least part of their energy needs from renewable sources are therefore the way forward especially around the Mediterranean sea and in semi-arid countries. One already established solution to address this challenge is the integration of solar cells into buildings. Building integrated (or applied) photovoltaics (BIPV or BAPV) not only generates electricity but also contributes to the skin of buildings from architectural and materials perspectives. Different PV technologies have been increasingly adapted for the built environment and deployed in many parts of the world including in the Mediterranean and in semi-arid climates. This special session aims to provide a forum for scientists and engineers from academia and industry to present their research in this field. It will look at the state of the art of BIPV and the barriers as well as enablers for its development and promotion, especially around the Mediterranean sea and in semi-arid countries. It will address all aspects of BIPV including the following areas:

- Engineering and innovation in BIPV.
- BIPV applications, projects and case studies for the specific climates mentioned.
- Design, modeling and simulations in BIPV.
- BIPV economics, policy and regulations for the specific regions mentioned.
- Environmental, aesthetic and societal considerations in BIPV.
- Barriers, enablers and future perspectives in BIPV for the specific climates mentioned.

**Paper Submission:**

Interested authors are kindly invited to submit their original and not previously published manuscripts to this special session via the conference online paper submission system. All manuscripts will undergo a peer review in line with the conference and publisher (Elsevier) quality standards. We welcome contributions and participation of scientists, researchers, engineers and practitioners from academia, industry and government organisations.

**Important dates:**

- Deadline for submission of full manuscripts: 1<sup>st</sup> April 2014.
- Notification of authors: 31 April 2014.
- Upload of final version of accepted papers: 15 May 2014.

For any further information, please feel free to contact the session organizer, Dr. M. Emziane.

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