

**EPE-PEMC 2012: ECCE Europe  
15th International Power Electronics and Motion  
Control Conference  
Novi Sad, Republic of Serbia**

**INVITED SPECIAL SESSION:  
“Photovoltaic systems for building integration and  
sustainable mobility”**

**organised by**

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**Call for Papers**

A significant attention is devoted nowadays to the application of photovoltaic systems to some urban contexts and to sustainable mobility.

In the first case, a number of PV cells is integrated in street lamps, advertising systems, bus shelters, parking roofs or other structures to the aim of recharging battery packs ensuring a stand alone operation or for feeding the grid. Nonetheless, an even large number of PV strings is integrated in building facades and structures, which very often are mounted on supporting structures having different orientations with respect to the sunrays.

In such cases the PV cells and strings usually work in non uniform conditions, namely at different irradiation levels and temperatures, so that their electrical connection in series becomes impractical, unless a significant reduction in the power production is accepted. Instead, suitable power electronic circuits as well as control techniques and architectures can increase the power production.

Such solutions are useful also if the PV energy is used in car, trucks, boats in order to recharge the battery, for feeding on board systems, increase the livability and, for plugin solutions, feeding electrical energy into the grid.

The aim of this special session is to ensure a comprehensive discussion of all the aspects related to this application of the PV systems.

**Submission procedure: The same as for regular papers.**

**Submission deadline:** 19th December 2011

All the instructions for paper submission are included on the conference website:  
<http://epe-pemc2012.com/>