



**International Conference on Sustainable Mobility  
Applications, Renewables and Technology  
(SMART2015), Kuwait, November 23-25, 2015  
Call for Contributions to the Special Session on  
Smart Grid Systems Integration**

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**Thematic:** Nowadays, the whole world is oriented towards nurturing natural and renewable energies in a move towards enhancing sustainability of energy production and the environmental friendliness. Natural and renewable energy resources include solar, wind, hydro, geothermal, and biomass energy. Accordingly, it is essential to integrate smart grids within plants driving these resources. Utilized smart grids have the following features:

- Smart grid technologies implementation limit the barriers to the integration of renewable resources. Moreover, it enables power grids to greatly utilize the discontinuity of renewable resources.
- Smart grid technologies create that sense of balance between supply and demand of electricity. This is done through disseminated storage, demand feedback, advanced sensing, control software, information infrastructure, and market signals.
- Through the use of smart grid technology in relation to renewable energy, the grid operation has the ability to coordinate and control the system in reaction to grid characteristics. This will allow better levels of integration with respect to renewable resources at higher efficiencies and lower costs.
- Smart grid technology that is known for its automation is able to employ feedback about demand and distributed storage for hosting better penetration levels and cost-effective integration of renewable energy generation. This can be done through Advanced Metering Instrument (AMI) and internet-based services.
- Smart grids utilizing inverters and converters with communications software interfaces enable distributed management and diversify integration techniques for renewable generation. Accordingly, this Special Session is aimed to promote the right tools and techniques for integration, especially in the field of solar PV systems. All up-to-date topics related to the above are given full consideration.

**Submission:** Prospective authors are invited to submit an extended abstract of two to three A4 pages, written in English. There is no specific template. Abstracts should be submitted directly to the special session organizer via email: [t.selmi@ack.edu.kw](mailto:t.selmi@ack.edu.kw)

<b>Important Dates:</b>	<b>July 15<sup>th</sup>, 2015</b>	<b>Abstract submission</b>
	<b>July 30<sup>th</sup>, 2015</b>	<b>Provisional Acceptance</b>
	<b>September 15<sup>th</sup>, 2015</b>	<b>Full paper submission</b>
	<b>September 25<sup>th</sup>, 2015</b>	<b>Final acceptance</b>