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Smart Metering and Smart Homes

Pr. Ghassane Aniba, Mohammadia School of Engineers (EMI), Morocco

Pr. Hongjian Sun, Durham Energy Institute, Durham University, UK

Humanity needs to electricity increases day after day, and many researcher's teams aim to find solutions to such important issue. Indeed, there are two groups of solutions, the first is to use new sources of energies such as renewable and sustainable ones, the second is to improve the energy efficiency of the actual and future electricity production and consumption systems. To achieve a maximum of efficiency, management systems have to measure, detect and then make suitable decisions, making them smarter. Smart metering is any way, process or tools to collect real-time electricity consumption and/or production data making it the core element of smart homes.

This special session aims to present important results to the international community of smart metering and smart homes design in the form research, development, applications and technology. Topics of interest include, but not limited to:

- New trends and technologies for smart metering
- Smart metering for smart grids
- Smart metering for smart homes
- Remote wire and wireless smart metering
- Smart homes management systems
- Islanded and grid connected smart homes