

Special Section on:

Methods and Systems for a Smart Energy City

SMART CITIES have become smarter than before thanks to the recent developments of digital technologies. A smart city is equipped with different electronic elements employed by several applications, like street cameras for observation systems, sensors for transportation systems, etc. In addition, this can spread the usage of individual mobile devices. Therefore, by considering the heterogeneous environment, different terms, such as features of objects, contributors, motivations and security rules should be investigated. The utilization of the Internet of Things (IoT) can furnish intelligent management of energy distribution and consumption in heterogeneous circumstances. The IoT nodes have some abilities such as sensing and networking which raise the possibility of optimal scheduling of energy suppliers. The implementation of the IoT can result in the generation of some services that have an interaction with the environment. Hence, it could introduce some opportunities for contextualization and geo-awareness. Furthermore, collective intelligence will improve the processes of decision making and empower the citizens. One of the main features of a smart city is due to its ability of favoring customers' responsiveness and efficiency decisions. This special section is focused on the development, adoption and application of methods and systems for a smart energy city.

Editors invite original manuscripts presenting recent advances in these fields with special reference to the following topics:

- ✓ Advanced approaches for smart buildings and smart homes
- ✓ Smart sensors, remote measurement and monitoring systems
- ✓ Advanced planning and control methodologies
- ✓ Integration and management of local energy markets
- ✓ Coordinated management of energy resources
- ✓ Demand side management methods
- ✓ Approaches for hybrid energy systems (electrical, thermal, etc.)
- ✓ Modeling and validation methods for smart energy systems

Manuscript Preparation and Submission

Check carefully the style of the journal described in the guidelines "Information for Authors" in the IEEE- IES web site: <http://www.ieee-ies.org/pubs/transactions-on-industrial-electronics>.

Please submit your manuscript in electronic form through: <https://mc.manuscriptcentral.com/tie-ieee/>.

On the submitting page, in pop-up menu of manuscript type, select: "SS Methods and Systems for a Smart Energy City", then upload all your manuscript files following the instructions given on the screen.

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Timetable

Deadline for manuscript submissions:	Information about manuscript acceptance:	Publication date:
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