



CALL FOR PAPERS

“Building Automation, Control and Management”

The Theme: Building automation has matured over the last decades towards an indispensable contribution to everyday life. The papers of the Special Section should therefore reflect possibilities to achieve new qualities in supporting humans – from the end user to the facility manager – by the use of technical systems that are capable of “understanding” the human world and therefore make the building a safer, more comfortable, more secure and more efficient place.

Methods are needed how to design and to integrate sensor and actuator networks with hundred thousands of nodes. They have to be maintained in a cost-efficient way. In this sense themes like energy saving on all aspects of the system, and applications like geriatric health care, facility management, efficiency improvement in hospitals, and many others are addressed. The key to providing improved services in building automation is to process complex scenarios, which are compiled of diverse sensory information and the corresponding technical intelligence that is able to react in an adequate way. Furthermore, building automation systems must be seen as dependable systems covering both safety and security aspects of various applications and under differing in the degree of rigor.

The main objective of this Special Section is to bring the ideas of the worldwide research community into common platform, to present the latest advances and developments in design, modeling, simulating and implementing tools for, or systems of, sensor and/or actuator networks with advances towards user orientation, wireless connectivity, dependability, energy efficiency, context awareness and ubiquitous computing. Topics of interest of this Special Section include, but are not limited to:

- Complex control applications
- Facility management
- Energy efficiency in and across buildings
- Dependability of building automation systems
- Context awareness, deriving of user interests and intentions
- Simulation
- Reliability of building automation services
- Distributed systems
- User interaction in building automation systems
- Security and Safety

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” in the IEEE Transaction on Industrial Electronics <http://tie.ieee-ies.org/tie/>
Please submit your manuscript in electronic form through Manuscript Central web site: <http://mc.manuscriptcentral.com/tie-ieee>. On the submitting page #1 in popup menu of manuscript type, select: Building Automation, Control and Management.

Timetable

Deadline for manuscript submissions
Information about manuscript acceptance
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