

Special Issue

Internet of Things Solutions for Intelligent Management and Control of Buildings

Message from the Guest Editor

Intelligent Management and Control of Buildings are central issues in the development of smart homes, buildings and cities. The most immediate objective is the minimization of the energy required to maintain a desired comfort level for the occupants, the perception of comfort being related to several environmental factors, such as lighting, temperature and air quality.

For an integrated solution, this is not enough. Depending on the building type and its use (residential, administrative and industrial buildings, schools, hospitals, department stores, cultural and entertainment facilities, etc.), elevator control, monitoring and control of the consumption of water and/or gas (not only electricity), electric vehicle charging, etc., should also be considered. For elderly people, safety in homes is an issue as important as comfort.

The Internet of Things enables to connect numerous heterogeneous devices through the internet, for which it needs a flexible layered architecture where the things, the people and the cloud services are combined to facilitate an application task. This Special Issue is focused on Internet of Things solutions for intelligent integrated building control.

Guest Editor

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