*Special Issue Reprint*

# AI for Smart Home Automation

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In recent years, the growth of the IoT has made an increasing amount of data available to be analyzed and exploited for the creation of intelligent models and solutions. In the Smart Home domain, new application scenarios have opened up, facilitated by the emergence of new techniques and paradigms that enable the development of smart devices. The application of Artificial Intelligence in this context aims to simplify and automate activities, increase security, reduce energy consumption, and generally optimize home-related processes.

This Special Issue discusses the application of Artificial Intelligence to smart home automation through the use of various techniques, ranging from speech recognition, human behavior recognition, automatic home temperature control, electricity consumption monitoring, and the development of intelligent agents for building knowledge representations of unknown environments.

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