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Smart Home 4.0

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Message from the Guest Editors

Dear Colleagues,

To deal with such complexity, unified, minimal, and "smart" control interfaces will be needed: the recent boost of artificial intelligence techniques is providing new tools for both human–machine interaction and automation. The smart home environment, due to its centrality for human beings, constitutes a privileged vantage point to survey the technological paradigm known as Industry 4.0.

The purpose of this Special Issue is to explore the smart home 4.0, i.e. the smart home in the face of the fourth industrial revolution, from a wide spectrum of points of view: technology and frameworks, applications, but also theoretical models and algorithms, as well as technical regulations and standards. The criteria for manuscript acceptance will be novelty and the potential breadth and contribution to the field, and experimental implementations and empirical proofs are also encouraged.

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Keywords: smart home; industry 4.0; home automation; internet of things; smart grids; artificial intelligence; smart sensors; home appliances; security, privacy, sustainability; user experience

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Message from the Editor-in-Chief

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