



Smart Home 4.0

Guest Editors:

Prof. Dr. Antonio Pescapè

Department of Electrical
Engineering and Information
Technology, University of Napoli
Federico II, Via Claudio, 21, 80125
Napoli, Italy

Dr. Giuseppe Aceto

Dipartimento di Ingegneria
Elettrica e delle Tecnologie
dell'Informazione, Università di
Napoli Federico II, Complesso
Monte S. Angelo, Via Cintia, I-
80126 Napoli, Italy

Deadline for manuscript
submissions:

closed (28 February 2021)

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.

Prof. Dr. Antonio Pescapè

Dr. Giuseppe Aceto

Guest Editors

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





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)