



*sensors*



*Special Issue Reprint*

## AI for Smart Home Automation

[www.mdpi.com/books/reprint/7970](http://www.mdpi.com/books/reprint/7970)

Edited by  
Daniele Cenni

ISBN 978-3-0365-8172-9 (Hardback)

ISBN 978-3-0365-8173-6 (PDF)



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.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/7970](http://www.mdpi.com/books/reprint/7970)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



## Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



## Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



## High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



## High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



## Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.