



energies



Special Issue Reprint

IoT and Sensor Networks in Industry and Society

www.mdpi.com/books/reprint/5087

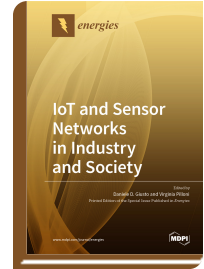
Edited by

Daniele D. Giusto

Virginia Pilloni

ISBN 978-3-0365-0216-8 (Hardback)

ISBN 978-3-0365-0217-5 (PDF)



In the last decade, the deployment of Internet of Things (IoT) and sensor networks have made a strong impact on many aspects of society. The seamless integration of technologies to perform sensor data generation, transmission, and processing has enabled the development of smart solutions such as smart cities, smart agriculture, and smart transports. As the business environment is being increasingly digitized, traditional industrial processes are rapidly reshaping to build the fourth industrial revolution, namely Industry 4.0. This will pave the way for the use of information and communication technology (ICT) as one of the pillars of Society 5.0, a super-smart human-centric society in which both economic development and resolution of societal challenges are achieved. This book presents recent advances in IoT and sensor networks towards the implementation of Industry 4.0 and Society 5.0. The 12 Chapters cover some of the most relevant aspects, starting from a horizontal view of the main enabling technologies, and proceeding with a vertical perspective on four different environments, namely Industry 4.0, smart buildings, smart transport, and smart environmental monitoring. Researchers and practitioners will find this book a valuable tool for their work, helping them evaluate the different technologies that will have a key role in the progress of industry and society, while understanding their inherent strengths and drawbacks.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/5087

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.