



sensors



an Open Access Journal by MDPI

Industry 4.0 Supply Chain: From Connectivity Provisioning, Data Management to Cyber Resilience

Guest Editors:

Prof. Dr. Xavi Masip

Advanced Network Architectures
Lab, Universitat Politècnica de
Catalunya (UPC), 08034
Barcelona, Spain

Prof. Dr. Admela Jukan

Institute for Data Technology and
Communication Networks,
Technische Universität
Braunschweig, 38106
Braunschweig, Germany

Dr. Jose Francisco Ruiz

Atos, 28037 Madrid, Spain

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Supply chain provisioning with the help of IT has become one of the major challenges in modern industrial settings, serving multiple actors in finance, manufacturing, healthcare, and many other sectors. Supply chains need not only security connectivity between individual parts of the supply chain (source, manufacturer, customer) but also advanced features of reliability and cyber security. While many approaches in the so-called Industry 4.0 address the issue of connectivity for the supply chain, including sensing, edge, and cloud computing, this is not enough today, and it has become mandatory to design novel cyber-resilience strategies. This is especially a challenge when considering distributed, heterogeneous, multiactor contexts addressing traditional security challenges but also those raised by the envisioned distributed scenario. The resilience of ICT systems is premium, in fact, and every ICT system is expected to implement at least a set of basic mechanisms to prevent, resist, and recover from any type of disruption in a timely manner, thus minimizing the impact on service quality and user experience.



mdpi.com/si/96604

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)