Special Issue

Security and Privacy in Cyber-Physical Systems (CPSs)

Message from the Guest Editors

The ever-increasing number of applications of Cyber-Physical Systems (CPSs) has had a positive influence on the industry (including Industry 4.0), but it has also created unprecedented opportunities for the exploitation of new cyberattacks. Therefore, one of the current major issues is CPS security aspects in terms of infrastructure protection as well as data privacy, integrity, and confidentiality. Among the different cybersecurity applications, it is also worth mentioning the use of blockchain to offer non-repudiation and strengthen the security of a CPS. The aim of this Special Issue is to provide the necessary grounds for discussion and advancement towards enhancing the security and safety properties of CPSs and their applications. The scope of this Special Issue includes (but is not limited to):

- CPS cybersecurity;
- Security and privacy challenges in CPS design and implementation;
- Blockchain-based cybersecurity applications;
- Usable security and privacy in CPSs;
- Secure mechanisms for the storage, sharing, and accessing of sensitive data in CPSs;
- Cybersecurity attacks on CPSs and their infrastructure.

Guest Editors

Dr. Grzegorz Bazydlo

Division of Information Systems and Cybersecurity, Institute of Control & Computation Engineering, University of Zielona Gora, ul. Prof. Z. Szafrana 2, 65-516 Zielona Gora, Poland

Prof. Dr. Remigiusz Wiśniewski

Institute of Control and Computation Engineering, University of Zielona Góra, Prof. Z. Szafrana 2, 65-516 Zielona Góra, Poland

Deadline for manuscript submissions

closed (20 April 2024)

Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/
applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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 Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)