

## Special Issue

# Security Research and Challenges in Cyber-Physical Systems

### Message from the Guest Editors

This Special Issue of "Security Research and Challenges in Cyber-Physical Systems" publishes high-quality research papers, including discussing and reviewing various challenges and opportunities for implementing next-generation cybersecurity in CPS. This Special Issue targets academic and industrial researchers, engineers, and practitioners interested in intelligent models of CPS systems, cybersecurity and resilience issues. In addition, as a way to enhance security without compromising system availability, which is important for all CPS security issues, we would like to address, in depth, how to use artificial intelligence (AI) and the recent application of blockchain technology. This Special Issue provides new ideologies, methodologies, and solutions for addressing these challenges. The Special Issue will select papers related to the following topics but will not be limited to these:

- Data security in a cyber-physical system;
- Service resilience in a cyber-physical system;
- Intelligent models in a cyber-physical system;
- Artificial intelligence for enhancing cybersecurity in CPSs;
- Machine learning for cybersecurity and privacy protection in a CPS;

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### Guest Editors

Dr. You-Jin Song

Prof. Dr. Howoon Kim

Dr. Hyun-Jong Cha

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### Deadline for manuscript submissions

closed (10 October 2022)



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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