Special Issue

Security and Privacy for Cyber Physical Systems

Message from the Guest Editors

Cyber-Physical Systems (CPS) are networked systems of cyber (computation and communication) and physical (sensors and actuators) components that interact with humans. Despite all the benefits of CPS and the potential to transform everyday lives, there are major concerns regarding their security. The main aim of this Special Issue is to present novel approaches and results for the security and privacy of CPS by taking into account the unique challenges that such systems present. Topics may include, but are not limited to:

- Threat Modelling for CPS
- Frameworks and methodologies for modelling and analysing security and privacy issues in CPSs
- Intrusion Detection for CPS
- Data Anonymisation for CPS
- Secure Data Sharing in CPS
- Privacy-enhancing technologies for CPS
- Access Control and Key Management for CPS
- Self-adaptive techniques for improving security and privacy in CPS
- CPS system security and privacy modelling and simulation
- Formal methods for security analysis of CPS
- Architectures and platforms for secure CPSs
- Human aspects around security and privacy is

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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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