Special Issue

Trends and Prospects in Cybersecurity and Embedded Systems

Message from the Guest Editor

This Special Issue delves into the evolving cybersecurity of embedded systems in critical sectors like healthcare, automotive, and industrial control systems. It covers recent advancements, challenges, and future directions. Key topics include, but are not limited to, the following:

- Advanced Threat Detection Techniques: Investigating cutting-edge methods, including AI and machine learning.
- Embedded System Vulnerabilities: Exploring unique vulnerabilities and mitigation strategies.
- Secure Design and Development: Uncovering best practices, methodologies, and tools.
- Case Studies and Real-World Applications: Analyzing incidents, lessons learned, and prevention strategies.
- Regulatory and Standardization Efforts: Examining current and emerging guidelines.
- Future Trends and Emerging Technologies: Insights into challenges and opportunities, including IoT and edge computing.

This Special Issue aims to unite researchers, practitioners, and industry experts. Contributions, from theoretical research to practical case studies, offer a comprehensive view of the current state and future prospects of embedded system cybersecurity.

Guest Editor

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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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