Special Issue

Industrial Automation and Control System Cybersecurity in Industry 4.0 Era towards CBRNe Protection

Message from the Guest Editors

The scope of this Special Issue includes, but is not limited to, the following topics:

- CBRNe events prediction and management for Industry 4.0 IACS;
- IACS cybersecurity threats and vulnerabilities problems and protection;
- Cyber-physical systems security for CBRNe protection (sensors, hardware, software, DSS);
- AI, DT and blockchain for enhancing cybersecurity and safety of IACS;
- IoT, AI, smart sensors and systems applications for emergencies prevention and risk reduction during disasters and post-emergency monitoring;
- AI, ML and data analytics for controlling and securing IACS: prediction, prevention, detection, tolerance, recovery, and relearning;
- IoT and AI as objects and/or tools and/or protection mechanisms for cyberattacks development;
- Privacy issues in IoT;
- CBRNe protection, including attacks detection, diagnosis, classification and response;
- Critical infrastructure risks and control, cybersecurity architectures, protocols and frameworks for IACS.

Additionally, we invite contributions (original or extended versions of conference papers) from the Scientific International Conference SICC CBRNe. We look forward to receiving your contributions.

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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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