Special Issue

Data-Driven Cybersecurity and Safety for Critical Applications and Infrastructures

Message from the Guest Editors

Modern critical systems are pervasive and quite diversified in terms of scale, whether related to factories, utility infrastructures, vehicles, or even UAVs. Nevertheless, regardless of their size or scope, such systems have one thing in common: a set of special requirements in terms of security and safety, which ultimately classify them as “critical”. This is due to the sensitive nature of the involved control processes and applications, whose malfunction, whether accidental or resulting from malicious intervention, may pose a significant risk to human lives, assets, or essential services. With the emergence of complex application scenarios, either new or evolved from existing ones, the distributed nature of such critical systems is quickly unfolding into a massive scale. Ensuring the reliable, secure, and continuous operation of scenarios with such a scale implies the adoption of data-driven approaches that are capable of dealing with considerable amounts of information to support the dependable (semi)automated analysis and decision mechanisms such applications need to become feasible. For more information, please visit: mdpi.com/si/57327

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