Data Protection and Privacy in Industry 4.0 Era

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Message from the Guest Editors

Industry 4.0 includes many technological aspects that have led to an integrated digital manufacturing environment. The thoroughly interconnected ecosystem of Industry 4.0 has to meet many security challenges and threats for each component.

In addition to this, the significant and rapid inclusion of the Internet of Things (IoT) in our daily lives, together with the rapidly increasing number of cyber security incidents, further stress the need to strengthen cyber resilience and preserving users' privacy for protecting the information of individuals from exposure in the IoT environment. The large attack surface in terms of connected devices and the complex processes involved in the IoT ecosystem can lead to more sophisticated physical attacks on IoT systems.

With such a wide attack surface, these innovative and emerging infrastructures and applications based on IoT can effectively serve their purpose only if privacy and security challenges are addressed.

This Special Issue aims to solicit high-quality research articles addressing key challenges and state-of-the-art solutions for security and privacy issues related to Industry 4.0 technologies and applications.

Special Issue

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Message from the Editor-in-Chief

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