

Cyberattack Detection and Information Security for Industry 4.0

Introduction:

This Project focuses on **Industry 4.0, a main driver for the development of smart cities**. Industry 4.0, known as the 4th industrial revolution, is a vision of smart factories built with intelligent cyber-physical systems. Although Industry 4.0 allows us to achieve breakthrough achievements in many sectors, such as healthcare, food, and agriculture, when Industry 4.0 is connected to the cyber world, cybersecurity risks become a key concern due to open systems with IP addresses creating more avenues for cyber-attacks.

Project objectives:

Thus, this Project aims to provide tools to **enhance cybersecurity in Industry 4.0** in particular and enhance information reliability for smart society in general, by applying several recently-developed smart technologies, including **deep learning, blockchain technology and physical-layer security, to tackle the security challenges specific to Industry 4.0.**

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Information and communication systems in Industry 4.0

