

## **Keynote: Machine Intelligence and data analytics for Cybersecurity in the industry 4.0 era**

Digital transformation, also known as Industry 4.0, Smart Industry and Smart Manufacturing, is at the top of leaders' agendas. Such a transformation stimulates innovation in new products and services, the digital transformation of processes and the creation of new business models and ecosystems. In the world of manufacturing, Industry 4.0 is based on various technological advances, among which we can mainly cite CPS (cyber-physical systems), IoT (internet of things), and IoS (internet of services).

While interesting, this fourth wave also brings with it significant challenges for manufacturers. Business operations and the supply chain are becoming more vulnerable to cyber threats.

During the COVID-19 pandemic, cybersecurity was the focus of particular attention. In response to the crisis, many manufacturers adopted teleworking to ensure their employees' health and safety as well as business continuity. However, this change has made them more vulnerable to cyber attackers, who actively seek to take advantage of these uncertain times.

Machine Intelligence and data analytics techniques have shown potential in providing various methods for threat detection.

This keynote aims to explore research on new machine Intelligence and data analytics techniques for cybersecurity in the industry 4.0 era.