

Special Issue

AI-Enabled Industrial Internet and Its Security, Privacy and Trust Challenge

Message from the Guest Editors

The Industrial Internet, which makes machines and devices work together, has been widely used in recent years in many modern industrial fields, such as smart manufacturing, intelligent transportation, and smart healthcare. We can collect plenty of data from the Industrial Internet through machine to machine, machine to gateway, and gateway to cloud connections. These big data can allow us to further use artificial intelligence (AI), e.g., a kind of machine learning approach, to address the problem of how to efficiently utilize the resources of all machines. Unfortunately, however, the Industrial Internet may suffer from potential attacks, such as denial of service (DoS), false-data injection (FDI), and spoof. Therefore, the security for the Industrial Internet is incredibly important for current industrial hardware, software, and algorithms. Any security problems in industrial fields may cause catastrophic effects, such as process control explosion due to some malicious attacks on machines or devices. This Special Issue focuses on recent progress in the Industrial Internet and its security, privacy, and trust challenges.

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