**Special Session Title:**

**Industry 4.0 and Industrial Internet of Things (IIoT)**

**Description:**

Technology revolution is coming to Industry 4.0 era. Industry 4.0 is the fourth industrial revolution, represents a new stage in the organization and control of the industrial value chain. Industry 4.0 refers to the intelligent networking of machines and processes for industry with the help of information and communication technology. In order to implement the Industry 4.0, smart sensors, smart machine, smart digital control, artificial intelligent, supply chain management as well as digital twin have to be consider. The modern control with embedded software systems and control via the Internet of Things. Production behavior must use network and can communicate to each device, value creation, and real-time optimization. Cyber-physical systems create the capabilities needed for smart factories.

This session welcomes researchers to submit publication in novel technologies, applications on industry 4.0. Also, the innovation idea about improve production line method by using Industrial Internet of Things (IIoT). The topic on this session are focusing on

- Smart Factory, Dark Factory, Cyber-Physical System, Smart work system.
- Digital Twin, Human machine collaboration, Digital transformation.
- Intelligent Industrial Internet of Things and applications.
- Big data analysis, Business on digitalization.
- Intelligent automation and production, smart sensor.
- Intelligent digital image processing.
- Data and information for supply chain management.
- Automated data acquisition, 3D printing technology.
- Improve factory to industrial 4.0, networking and integration.
- Centralization and service orientation, Employee qualification improvement.
- AR/VR applications, Visual assistance and inspection system.

**Special Session Co-Chairs:**

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