



2018 IEEE I²MTC SPECIAL SESSION

Measurement in Industrial Applications – Intelligent Manufacturing System (IMS) using smart sensors, smart machinery and industrial internet of things

CALL FOR PAPERS

PAPER SUBMISSION DEADLINE: 10 DEC 2017

● Information:

The global demand for smart, automated manufacturing equipment has been dubbed industrial internet of things or so-called industry 4.0. The new model of industrial applications is revolutionizing manufacturing by enabling the acquisition and accessibility of very different scales of data amounts, speeds, and efficiency than before.

The I²MTC 2018 special session on measurements in industrial applications – Intelligent Manufacturing System (IMS) using smart sensors, smart machinery, automated optical inspection, smart robotics and industrial internet of things features on computer integrated manufacturing. Aiming to make thorough discussion on this significant scientific revolution, this session is devoted to R&D works in the broader discussion on the applications of smart sensors, smart machinery, intelligent manufacturing system, Industrial IoT, and other related topics.

Papers reporting about research related to the following topics are welcome:

- Advanced human-machine interaction and augmented reality application
- Big data and intelligent manufacturing system
- Cyber-physical systems and machine-to-machine communication
- Detection, monitor and control technology in smart factories
- Harnessing sensor data for manufacturing insight
- Industrial IoT's impact on manufacturing workforce and required skillsets
- Interoperability and security – devices, standards and architectures
- Smart sensors applied to smart machinery
- 3D geometry measurement and reconstruction
- Other-related topics

● Organizers:

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