



**IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS ISIE'18
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Special Session on

Digital Holography for Industrial Applications

Organized by

Principal Organizers:

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Call for Papers

Theme:

Contemporary digital holographic techniques have been successfully applied in many important areas, such as 3-D inspection, holographic, augmented reality, and industrial informatics. This Special Session reports selected pieces of cutting edge research works, ranging from low-level acquisition, to the high-level analysis, processing and manipulation of digital holographic signals. This Special Session will provide a comprehensive review on the existing state-of-the-art in Digital Holography in industrial applications, as well as a broad insight into the future development of the discipline.

Papers related to the applications of Digital Holography in enhancing different aspects of the industrial and global environment, are particularly welcome.

Topics of interest include, but are not limited to:

- Digital Holography in industrial sensing and inspection
- Digital Holography in industrial informatics
- Digital Holography for Augmented Reality applications
- Optical Scanning and Phase Shifting Holography
- Electronic and Optical Access Spatial Light Modulators
- Compressive Holography
- Digital Holographic Microscopy
- Metasurface Holograms
- High Speed algorithms, hardware and software in Digital Holography
- Novel and Advance Applications of Digital Holography in Industry

All the instructions for paper submission are included in the conference website: <http://www.ieee-isie2018.org>