

**THE 28<sup>TH</sup>**  
**IEEE INTERNATIONAL SYMPOSIUM ON**  
**INDUSTRIAL ELECTRONICS**  
**IEEE-ISIE 2019**  
12-14 JUNE 2019, VANCOUVER, CANADA

**Special Session on**  
**“Digital Holography for Industrial Applications”**

**Organized by**

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**Call for Papers**

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 Holographic data encryption
- Digital Holography for Augmented Reality applications
- Optical Scanning and Phase Shifting Holography
- Digital Holography and Deep Learning
- Compressive Holography
- Digital Holographic Microscopy
- High Speed algorithms, hardware and software in Digital Holography
- Novel and Advance Applications of Digital Holography in Industry