Journal of Imaging

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Augmented Vision for Industry 4.0: 2nd Edition

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Message from the Guest Editors

Industry 4.0 (I4.0) is an innovative paradigm aimed toward the fusion of the digital and physical world through the advent of technologies, an amalgamation of physical and digital systems that have proven to be revolutionary, and enable the communication between physical objects and cyber infrastructures. Condition monitoring is a challenging Industry 4.0 field that features the interfaces needed for smooth information exchange between the plant control system, smart sensing tasks, process visualization unit, and operator. In this sense, the proper combination of emergent techniques, such as computer vision, augmented and mixed reality, and artificial intelligence, are playing a key role in human–machine integration/collaboration tasks, in order to make Industry 4.0 possible, and the concept of "smart factory" a reality more each day.

The aim of this Special Issue is to present and highlight novel algorithms, methods, and applications of emergent techniques for creating augmented and intelligent vision systems for Industry 4.0, providing relevant and contextualized information to the human operators.

Deadline for manuscript submissions:
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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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