

Call for papers for a special issue of  
**INFORMATION FUSION**

The International Journal on Multi-Sensor, Multi-Source Information Fusion  
An Elsevier Publication  
On

***Image Fusion in Industrial Vision Applications***

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The Information Fusion Journal has planned a special issue devoted to ***Image Fusion in Industrial Vision Applications***. Image Fusion has become a key technology in many automated visual inspection, computer vision, and pattern classification systems. A growing number of industrial vision platforms are now being equipped with multi-image inspection systems. The main benefits of such systems include a more robust inspection, a simplified data processing, and the possibility of solving new tasks. The aim of this special issue is to provide a focus on recent advances in **image fusion in the context of industrial applications**.

*Manuscripts (which should be original and **not** previously published or presented in any form or forum) covering novel methods and applications of image fusion to the different areas of automated visual inspection—image enhancement, quantitative assessment, and object recognition—or comparative studies of different techniques, are invited.*

*Topics appropriate for this special issue include, but are not limited to:*

- Novel Image Fusion Methods
- Multi-Image Vision and Inspection Systems
- Parameter Planning for Image Series Acquisition
- Fusion in Explorative and Active Vision Systems
- Goal-Driven Fusion
- Geometric Transforms, Pixel Matching, and Fine Registration
- Statistical Approaches, Biologically Inspired Methods
- Hierarchical and Iterative Image Fusion Techniques
- Efficient Fusion Algorithms
- Performance Evaluation Issues
- Innovative Industrial Applications
- High-quality Imaging and Image Enhancement
- Fusion-Based Image Segmentation, Feature Extraction, and Pattern Classification
- Robust Detection of Objects and Defects from Multiple Images
- Texture Analysis and Classification
- Image Fusion Architectures

Authors should prepare the manuscript as per the guidelines for authors described in the frame at left at (<http://authors.elsevier.com/JournalDetail.html?PubID=620862&Precis=>). Manuscripts submission should be done electronically online at <http://www.elsevier.com/submit/inffus>. Simultaneously, please send, without fail, an electronic copy (PDF format preferred), to the Guest Editors listed below.

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