IET Image Processing

Call for Papers

SPECIAL ISSUE ON:
Multidisciplinary advancement of Imaging Technologies: From Medical Diagnostics and Genomics to Cognitive Machine Vision, and Artificial Intelligence

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In a rapidly changing global economy, experiencing an unparalleled integration of science and technology, the multifaceted field of imaging requires drastic adaptation to the rapid changes of our society, economy, environment, and technological revolution; there is an urgent need to address and propose dynamic and innovative integrative solutions to vision and imaging problems which tend to be either complex or rapidly evolving with a large number of data and features. The complexity of the involved imaging scenarios, and demanding design parameters, necessitates the development of multifunctional, scalable, and efficient imaging techniques and applications. Based on these concepts, this Special Issue is dedicated to innovative multidisciplinary papers across fields such as medical image analysis, imaging informatics and artificial intelligence, deep learning, cognitive machine vision, remote sensing and unmanned autonomous vehicles and real-life imaging applications and challenges. This Special Issue aims to attract high quality papers mainly from the from the IST 2018 conference but also from engineers, and scientists from industry, government, academia, and healthcare who want to report novel scientific results.

Topics of interest:

- Novel image analysis and processing paradigms
- Advances in image segmentation registration and reconstruction
- Medical imaging analysis, processing and visualization
- Radiomics
- Deep learning image analysis applications
- Image classification and feature extraction
- Imaging informatics and artificial intelligence
- Robotic vision
- Novel imaging techniques

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Proposed publication schedule:

Submission Deadline: 1st October 2019
Publication Date: August 2020