Title of the proposed Thematic Issue: “Recent Computational Intelligence Advancements in Image Processing”

Special Issue Description: Due to statistical uncertainty in all physical measurements in imaging tools, the inevitable problems such as noise, artifacts, blurring and so on are introduced in images. Therefore, new algorithms/applications are demanded to enhance the quality of images. The preservation of important features of the image such as edges, corners, and other sharp structures is a challenging task. Therefore, new imaging modalities/methodologies and new algorithms/applications are demanded in the Imaging and its applications such as mining, precision agriculture and environmental monitoring to more industry-based applications including food and pharmaceutical quality inspection/grading, medical applications.

Objective and Scope:

The objective of this special issue is to concentrate on all aspects, state of the art, recent developments/methods and future research directions related to Image processing based on Machine Learning and Pattern recognition techniques. All submitted papers will be peer-reviewed and selected on the basis of quality and relevance to the special issue.

Topics Include But are Not Limited to

Original papers are solicited on topics of interest that include, but are not limited to:
1. Image analysis
2. Image reconstruction
3. Cellular image analysis
4. Multi-modality fusion
5. Image enhancement (e.g., Noise suppression, blurring, artifacts and so on)
7. Feature extraction and selection
8. Applications in Image Processing
9. Image forensics
10. Content based Image Retrieval
11. Image Inpainting
12. Automatic Detection, classification, identification of single and multiple objects

Expected Authors: Academicians, Researchers, Industry, IT Professionals, India, Outside India and from Across the Globe

Expected Number of Submissions: 40

Expected Number of Final Approved Papers: 10
Tentative Date of Issue Submission:
  Manuscripts due by: 30- August- 2019
  Notification to authors: 30- October - 2019
  Final versions due by: 30- December- 2019

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