APSIPA ASC 2019

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CALL FOR PAPERS

Special Session on Multi-source Data Processing and Analysis: Models, Methods and Applications

Within the context of signal processing, multi-source data processing and analysis is an important research area. The past decades have witnessed the increasing availability of different types of data, such as remote sensors, depth cameras, light field cameras, surveillance systems, and security inspection systems, etc. However, it is difficult to transfer the models and methods designed for conventional image or video to other types of data, which faces new challenges and opportunities. In this special section, the goal is to publish the original research paper related to the models and methods for multi-source data processing and analysis together with widespread applications. The main topic of interest include, but are not limited to:

- *Stereoscopic image/video analysis (quality assessment for stereoscopic image/ video, enhancement and restoration for depth map/video, object detection and recognition in stereoscopic image/video, etc)*
- *Underwater image/video analysis (enhancement and restoration for underwater image/video, object detection and recognition in underwater image/video, etc)*
- *Remote sensing image analysis (enhancement, classification, detection, and recognition for hyperspectral image/SAR image/optical remote sensing image, etc)*
- *Light field image analysis (compression, super-resolution, reconstruction, detection for light field image, etc)*
- *Security image analysis (classification, detection, and recognition in security image, etc)*
- *Infrared image analysis (detection and recognition in infrared image, etc)*
- *Degraded image/video analysis (quality assessment, enhancement, and object recognition for degraded image/video, etc)*

Prospective authors are invited to submit papers of 4 to 10 pages in length.

Important Date：

Submission Deadline of Special Session Papers: June 30, 2019

Session Chairs：

- Ping Han (Professor, Civil Aviation University of China, e-mail: hanpingcauc@163.com)
- Qiuping Jiang (Associate Professor, Ningbo University, e-mail: jiangqiuping@nbu.edu.cn)
- Runmin Cong (Associate Professor, Beijing Jiaotong University, e-mail: runmincong@gmail.com)
- Chongyi Li (Postdoctoral Fellow, City University of Hong Kong, e-mail: lichongyi25@gmail.com)