



Call for papers

Special session on Image Processing and Pattern Recognition (IPPR)

at the 3rd IEEE International Conference on Cybernetics (CYBCONF 2017)

Exeter, UK, June 21–23 2017

(1) Special Session Organizers:

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(2) General description of the SS

Image processing and pattern recognition have become two of the fastest growing research areas in cybernetics. This special session tries to provide a platform for discussion

of applying technologies in IPPR. It establishes the core ideas of image processing and pattern recognition from the viewpoints of cybernetics, by focusing on both the theoretical achievements and practical applications. It also establishes a bridge to connect the new theoretical results of research of image processing/pattern recognition and real applications.

(3) Topics of Interests

This special session calls for original papers describing the latest developments, trends, and solutions related to the issues of image processing and pattern recognition. Topics of interests include, but are not limited to:

- Deep learning for biomedical image analysis
- Medical image and signal analysis
- Enhancement, restoration, and filtering
- Coding and image processing
- Hyperspectral image classification and feature extraction
- Spatial-spectral analysis
- Dimension reduction
- 2D/3D object detection
- Application of pattern recognition

(4) Important Dates

- Paper Submission: **23 March 2017**
- Notification of Acceptance : **12 April 2017**
- Camera-Ready Paper: **15 May 2017**
- Early Registration: **15 May 2017**
- Conference Date: **21-23 June 2017**

(5) Program Committee

- Andrea Schenk, Fraunhofer Institute for Medical Image Computing MEVIS, Bremen, Germany
- Brent J LIU, University of Southern California, USA
- Cuiming ZOU, University of Macau, Macau, China
- Haoliang YUAN, Guangdong University of Technology, Guangzhou, China
- Hiroshi Fujita, Gifu University, Japan
- Hongyu YANG, Beihang University, Beijing, China
- Huiwu LUO, University of Macau, Macau, China
- Jing CHEN, Chongqing University, Chongqing, China
- Jianjia PAN, Hong Kong Baptist University, Hong Kong
- Li DONG, University of Macau, Macau, China
- Li ZHANG, University of Macau, Macau, China
- Lina YANG, Guangxi University, Guangxi, China
- Lin BAI, Guangxi University, Nanning, China
- Linmin CUI, Beijing Institute of Petrochemical Technology, Beijing, China
- Runzong LIU, Chongqing University, Chongqing, China
- Ting SHU, University of Macau, Macau, China

- Tian XIA, Huazhong University of Science and Technology, Wuhan, China
- Xianwei ZHENG, University of Macau, Macau, China
- Xu YANG, University of Macau, Macau, China
- Xuejun ZHANG, Guangxi University, Nanning, China
- Yulong Wang, University of Macau, Macau, China
- Yang LU, Hong Kong Baptist University, Hong Kong, China

(5) Submission and Publication

Authors are invited to submit original previously unpublished research papers written in English, of up to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single-spaced, 10 fonts). Please find the manuscript templates and submission related information at the CYBCONF 2017 conference webpage. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee.

Presented papers will appear in the conference proceedings, available on IEEE Xplore and submitted to be indexed in CPCi (ISI conferences and part of Web of Science) and Engineering Index (EI). The authors of selected best papers will be invited post conference to extend their contributions for special issues of prestigious journals, such as IEEE Transactions on Cybernetics, IEEE SMC Magazine, Evolving Systems, and Peer-to-Peer Networking and Applications (PPNA).