



2018 International Conference on Audio, Language and Image Processing (ICALIP2018)

July 16-17, 2018, Shanghai, China

CALL FOR PAPERS



General Chairs

Wanggen Wan, *Shanghai University, China*
John Tompson, *University of Edinburgh, UK*
Abderrafiaa Koukam, *UTBM, France*

International Program Committee Chairs

Jie Lu, *University of Technology Sydney, Australia*
Wei Xiang, *James Cook University, Australia*
Timothy Jung, *Manchester Metropolitan Uni., UK*

Organizing Committee Chairs

Jie Zhu, *Shanghai Jiao Tong University, China*
Lihong Xu, *Tongji University, China*
Jun Yang, *Amazon Inc., USA*

Publication Chairs

Ofelia Delfina Cervantes, *UDLAP, Mexico*
Rein Ahas, *University of Tartu, Estonia*
Chao Wang, *Shanghai University, China*

Publicity Chairs

Bin Wang, *Fudan University, China*
Jie Yang, *Shanghai Jiao Tong University, China*
J.Alfredo Sanchez, *UDLAP, Mexico*

Demo-Exhibit Chairs

Erwu Liu, *Tongji University, China*
Zhijian Ou, *Tsinghua University, China*
Qiuyu Zhu, *Shanghai University, China*

Finance Chairs

Xiaoqing Yu, *Shanghai University, China*
Rui Wang, *Shanghai University, China*

Europe Liaison Chairs

Weidong Geng, *Zhejiang University, China*
Qianhua He, *South China Uni. of Technology, China*
Xin Shi, *Manchester Metropolitan Uni., UK*

North America Liaison Chairs

Geguang Pu, *East China Normal University, China*
Meng Yang, *Fudan University, China*

Asia Pacific Liaison Chairs

Richard Xu, *Uni. of Technology Sydney, Australia*
Xiaoqun Zhao, *Tongji University, Shanghai, China*
Jian Wang, *Shanghai Radio Equipment Research Institute, Shanghai, China*

Local Arrangement Chairs

Xuzhi Wang, *Shanghai University, China*
Fei Wang, *Shanghai University, China*
Fei Wu, *Shanghai Uni. of Eng. Science, China*

Registration Chairs

Mengyao Zhu, *Shanghai University, China*
Xiaoqiang Zhu, *Shanghai University, China*
Juan Zhang, *Shanghai Uni. of Eng. Science, China*

As the flagship conference and the most important event in the region, the 6th International Conference on Audio, Language and Image Processing (ICALIP2018) will continue the great success of its five previous editions (ICALIP2008, ICALIP2010, ICALIP2012, ICALIP2014 and ICALIP2016) with aiming to provide a unique forum for researchers, engineers and educators interested in audio, language, image processing and artificial intelligence to learn about recent progresses, to address related challenges and to develop new methods, applications and systems. The conference, to be held on July 16-17, 2018 in Shanghai, the largest city of China, is technically sponsored by IEEE CIS Shanghai Chapter and is co-organized by IET Shanghai Local Network, Shanghai University, Tongji University, Fudan University and Shanghai Jiao Tong University. The conference proceedings including all the accepted papers will be eligible for inclusion in the IEEE Xplore Digital Library (Catalog No. CFP 1850D) and submitted to both EI Compendex and ISTP which have indexed all accepted papers of the previous five editions of this biannual conference series. Best Paper Awards will be granted to the authors of those outstanding papers determined by the International Program Committee of the conference. The expanded version of the selected papers will be published respectively in the Special Issue of International Journal of Computational Intelligence Systems (SCI Index) and Special Issue of International Journal of Digital Multimedia Broadcasting (EI Compendex).

Topics

Conference topics include, but are not limited to:

- **Image and Video Processing:** Image Coding, Image Filtering and Enhancement, Image Segmentation and Understanding, Image Representation and Modeling, Feature Extraction and Analysis, Image Storage and Retrieval, Image Authentication and Watermarking, DSP/FPGA Implementations.
- **Language and Speech Processing:** Language Acquisition and Reproduction, Human Language Understanding and Learning, Machine Translation, natural language understanding, Speech-Enabled Systems, Speech Recognition and Understanding, Speech Enhancement, Spoken Document Retrieval.
- **Artificial Intelligence and Machine Learning:** Verification and Validation of Artificial Intelligence Systems, Methodologies and Application of Artificial Intelligence, Deep Learning, Reinforcement Learning, Neural Information Processing and Computational Intelligence, Smart Signal and Information Processing, Multimedia Sensor Processing for Robotics and Automation.
- **Big Data, Cloud and Edge Computing:** Acquisition, Preprocessing, Analyses, Storage, and Management for Big Data, Modeling Technology and System for Big Data, Cloud and Edge Computing, Big Data Intelligent Computing, Big Data Visualization, Big Data and Cloud Applications.
- **Social Network and Data Mining:** Computational Social Network, Mathematical Modeling of Social Platforms, Efficient Algorithms for Social Computing, Network Computing, Information Retrieval in Social Contexts, Social Network Analysis and Data Mining, Applications of Social Network Analysis.
- **Virtual Reality and Augmented Reality:** Computational Geometry, Modeling, Rendering, Compression, Visualization, Animation and Simulation, Interactive Environments, Immersive Virtual Reality, Virtual environments, Augmented Reality, Applications of Virtual Reality and Augmented Reality.
- **Remote Sensing and GIS:** Mobile and Wireless GIS, Geospatial Information Visualization and Service, Multi-dimensional GIS (3D GIS), Indoor, Outdoor and Underground Location, Remote Sensing Image Preprocessing, Multi-sensor and Multisource Data Fusion, GPS Technology, Remote Sensing and GIS Application.
- **Audio and Music Processing:** Compression and Coding, 3D and Surround Sounds, Digital Rights and Watermarking, Music Information Retrieval, Internet Audio, Audio Beam Loudspeaker, Hearing Aids, Echo Cancellation, Noise Reduction, Beam forming, Audio Gesture System, Binaural Hearing, Crosstalk Cancellation, Voice Processing in Cochlear Implants.

Paper Submission

Prospective authors are invited to send full-length, 4-6 page papers, including figures and references, to the conference website (<http://www.icalip2018.org/>) following the Instructions for Authors. All papers will be handled and reviewed electronically. Check the conference website for update.

Schedule

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| ◇ The Submission Deadline | May 08, 2018 |
| ◇ Notification of Acceptance | May 25, 2018 |
| ◇ Camera-ready Copy | June 15, 2018 |

