



## 2017 10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics

14-16 October 2017, Shanghai, China

<http://cisp-bmei.ecnu.edu.cn/>

### Call for Papers

The 2017 10th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics (CISP-BMEI 2017) will be held in Shanghai, China. CISP-BMEI 2017 is a premier international forum for scientists and researchers to present the state-of-the-art of multimedia, signal processing, biomedical engineering and informatics and to discuss future research challenges.

Shanghai is the largest city in China, with famous historical and cultural heritage. Attractions include Yuyuan Garden ("Happy Garden" built in Ming Dynasty), Shanghai Museum with 120,000 pieces of rare relics, Shanghai World Financial Center, Jade Buddha Temple (Song Dynasty), Oriental Pearl TV Tower, Zhujiajiao Water Town, Disney Land, and Expo 2010 site.

As with past CISP-BMEI conferences since 2008, all papers in conference proceedings will be submitted to both EI Compendex and ISTP, as well as IEEE Xplore (All CISP-BMEI 2008-2016 papers have already been indexed by EI Compendex and included in IEEE Xplore). Substantially extended versions of best papers will be considered for publication in a CISP-BMEI special issue of a SCI-indexed journal. CISP-BMEI 2017 is technically co-sponsored by the IEEE Engineering in Medicine and Biology Society. Conference Record # 42898; IEEE Part Number CFP17J14-USB; ISBN 978-1-5386-1936-0. The past conference proceedings from 2008 to 2015 appeared as 2 separate (but co-located) conferences, i.e., CISP and BMEI. CISP-BMEI has been officially merged as a single conference since 2016.

Submissions of papers describing original work in, but not limited to, the following topics are encouraged.

<b>CISP</b>	
<p><b>Image and Video Processing:</b> Coding and transmission; Image enhancement &amp; noise filtering; Image restoration; Feature extraction; Watermarking &amp; authentication; Interpolation &amp; super-resolution; Image segmentation; Motion analysis &amp; tracking; Content-based retrieval; Computer and machine vision; Pattern recognition; Imaging techniques &amp; 3D imaging; Remote sensing; Forensics &amp; security; Image and video processing applications; Other topics in image and video processing</p> <p><b>Signal Processing:</b> Analog and digital signal processing; Signal representation and transforms; Statistical signal processing; Filter design &amp; digital filters; Adaptive signal processing; Spectral analysis; Time-frequency signal analysis; Speech &amp; language processing; Signal modeling, identification &amp; prediction; System identification; Intelligent signal processing; Acoustics; Multi-dimensional signal processing; Sensor array and multi-channel systems; Signal processing applications; Other topics in signal processing</p>	
<b>BMEI</b>	
<p><b>BioMedical Engineering:</b> Biomedical imaging, image processing, and visualization; Biomedical signal processing and analysis; Medical data storage and compression techniques; Biomedical modeling; Biomedical effects of electromagnetic radiation; Electrotherapy and radiotherapy; Biomedical instrumentation, devices, sensors, artificial organs, and nano technologies; Biomedical materials and tissue engineering; Biomedical robotics and mechanics; Rehabilitation engineering; Clinical engineering and surgical planning; Wearable and real-time health monitoring systems; Mobile and wireless technologies in healthcare systems; Biomedical education; Biomedicine in industry and society; Other topics in biomedical engineering</p> <p><b>Bioinformatics, Systems Biology, and Medical Informatics:</b> Computational genomics and proteomics; Applications of artificial intelligence, machine learning and data mining in bioinformatics and medical informatics; Complexity of biological systems; Biologically-inspired agents and software; Computational drug discovery and computer-aided drug design; Biological system dynamics and simulations; Telemedicine; Application of Systems Science in biomedicine; Personalized and predictive medicine and healthcare; Standards and ontology in biomedical informatics; Synergy between bioinformatics and medical informatics; Evaluation and benchmarking, e.g., bio-statistical and medical statistical methods; Applications of operations research and management science in medicine and health care; Healthcare information systems; Other topics in bioinformatics, systems biology, and medical informatics</p> <p><b>Informatics: Fundamental Technologies Important to Medicine and Biology:</b> Database systems; Computer security and privacy; Software engineering; Computer architecture; Distributed systems; Graphics and animation; Computer communications and networking; Artificial intelligence; Automation and control; Other topics in informatics</p>	
<b>Organizing Committee</b>	<b>Deadlines (2<sup>nd</sup> Round)</b>
<p><b>General Chairs</b> Yongqi Xue, Shanghai Institute of Technical Physics of the Chinese Academy of Science, China Junhao Chu, East China Normal University, China Pengfei Shi, Shanghai Jiaotong University, China</p> <p><b>Program Chairs</b> Qingli Li, East China Normal University, China Lipo Wang, Nanyang Technological University, Singapore</p> <p><b>Organizing Committee Chairs</b> Zhengqi Zheng, East China Normal University, China Yue Dai, East China Normal University, China</p> <p><b>Proceedings Chairs</b> Yiqing Liu, East China Normal University, China Li Sun, East China Normal University, China Mei Zhou, East China Normal University, China</p> <p><b>Publicity Chairs</b> Hongying Liu, East China Normal University, China Deli Qiao, East China Normal University, China Xiaohua Wang, East China Normal University, China Chang Huang, East China Normal University, China</p> <p><b>Sponsorship Chairs</b> Lei Zhang, East China Normal University, China Shengxi Diao, East China Normal University, China</p>	<p><b>Paper Submission</b> 30 August 2017</p> <p><b>Decision Notification</b> 15 September 2017</p> <p><b>Author Registration &amp; Final Paper</b> 25 September 2017</p> <p><b>General Inquiries</b></p> <p><b>cisp-bmei@ecnu.edu.cn</b> <b>Tel: +86 13916124339 (Ms. Zhou)</b> <b>+86 021 54345163 (Ms. Zhou)</b></p>

Prospective authors are invited to submit manuscripts written in English. All submissions will be peer-reviewed by experts in the field based on originality, significance, quality and clarity. Authors should use the Latex style files or MS-Word templates provided by the conference site to format their papers. Authors should submit PDF files of their manuscripts via the online submission system.

