

The IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2023, the 18th in the series



Beijing, China | June 14th-16th | www.bmsb2023.com

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The IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2023, the 18th in the series, will be held in June 14-16, 2023, Beijing, China. The symposium is the premier forum for the presentation and exchange of technical advances in the rapidly converging areas of multimedia broadcasting, telecommunications, consumer electronics, and networking technologies.

Topics of Interest (but not limited to)

◆ Multimedia Transmission

- Channel modeling & simulation
- Channel coding, modulation, multiplexing
- Advanced signal processing for transmission
- MISO and MIMO processing
- Channel estimation and equalization
- Antenna technologies
- Propagation and coverage
- Terrestrial and satellite delivery
- Mobile TV and advanced HD radio
- Next-generation of broadcasting standards
- AI-based communications
- Technologies beyond 5G
- UAV communication and route planning

◆ Multimedia Networking

- IPTV and streaming
- Internet TV and OTT
- FeMBMS, 5G NR MBS, MooD & SC-PTM
- VoD, interactivity, datacasting
- Multimedia NFV & SDN
- Traffic and performance monitoring
- Networking and QoS
- Broadcast applications to smart cities
- AI for multimedia networking intelligence
- Broadcast core network

◆ Multimedia Service, Quality and Content

- Multimedia for connect cars and IoT
- Multimedia datacasting
- Multimedia security
- Quality evaluation and dataset
- Audience measurement & behavior study
- Quality of experience
- Future broadcasting services
- Convergence of broadcast and broadband
- Distributed or edge/fog-based multimedia service
- Cloud-based multimedia service
- AI for advanced multimedia service management

◆ Multimedia Signal Processing

- Multimedia coding: image, video, audio
- Error resilient and concealment
- 3D, virtual reality, multi-view video
- AI-based multimedia coding
- Scalable video coding & Content adaptation
- Retrieval and indexing
- Synthetic imaging and rendering
- Objective video and audio quality assessment

Important Dates

Submission of extended abstract/full paper :

January 10th, February 1st, 2023

Notification of acceptance :

March 11th, 2023

Submission of camera-ready paper :

April 25th, 2023

Authors are invited to submit extended abstracts (2 pages) or full papers (6 pages) of your research on the review process.

General Chair

Ping Zhang
(CAE Fellow,
China)

General Co-Chairs & International Steering Committee

Xuesong Qiu (IEEE BTS, Beijing)
Yiyun Wu (IEEE BTS/CRC, Canada)
Pablo Angueira (EHU, Spain)
David Gomez-Barquero (UPV, Spain)
Bill Hayes (Iowa Public TV/ IEEE BTS, USA)
Ralph Hogan (Rio Salado College/ IEEE BTS, USA)
Shuji Hirakawa (Japanese Standards Association, Japan)
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Qingjun Zeng (China Broadcast Network Co., China)

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