

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



Beijing, China | June 14th-16th | [www.bmsb2023.com](http://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 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 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 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 10, 2023

Notification of acceptance :  
March 11, 2023

Submission of camera-ready paper :  
April 25, 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)

## Industry Chair

Fei Qi (China Telecom, China)

## General CoChairs & International Steering Committee

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Yiyang Wu (IEEE BTS/CRC, Canada)  
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Jian Song (Tsinghua University, China)  
Wenjun Zhang (Shanghai Jiaotong University, China)  
Qingjun Zeng (China Broadcast Network Co., China)

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