

The IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2024, the 19th in the series.

Toronto, Canada

June 19–21

www.bmsb2024.com

info@bmsb2024.com

IMPORTANT DATES

Submission of extended abstract/full paper:

→ **January 11, 2024**

Notification of acceptance:

→ **February 26, 2024**

Submission of camera-ready paper:

→ **April 5, 2024**

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

Manuscripts should be submitted in PDF format, using IEEE conference template, see: <https://www.ieee.org/conferences/publishing/templates.html>

Please submit your paper to: <https://easychair.org/cfp/BMSB2024>

GENERAL CHAIR OF BMSB2024

Paul Griffin, Senior Dean, Faculty of Applied Sciences and Technology (FAST), Humber College, Canada

EXECUTIVE CO-CHAIRS

Orest Sushko, Humber College Broadcast-Broadband Convergence B²C Lab, Canada

Maryam Davoudpour, IEEE Toronto Section/Humber College, Canada

INTERNATIONAL STEERING COMMITTEE

Yiyan Wu, IEEE-BTS/CRC Canada

Ginger Grant, Humber College, Canada

Pablo Angueira, EHU, Spain

David Gomez-Barquero, UPV, Spain

Lin Cai, University of Victoria, Canada

Ralph Hogan, Rio Salado College, IEEE BTS, USA

Shuji Hirakawa, Japanese Standards Association, Japan

Gabriel-Miro Muntean, Dublin City University, Ireland

Maurizio Murrioni, University of Cagliari, Italy

Madeleine Norland, President, ATSC

Sung-Ik Park, ETRI, Korea

Peter Siebert, VP Conference, IEEE BTS, Switzerland

Elvino S. Sousa, University of Toronto, Canada

Paul Shulins, President, IEEE BTS, USA

Jian Song, Tsinghua University, China

Xianbin Wang, Western University, Canada

Wenjun Zhang, Shanghai Jiaotong University, China

Weihua Zhuang, University of Waterloo

TECHNICAL PROGRAM COMMITTEE

CO-CHAIRS

Mihai Albu, Humber College

Yiyan Wu, IEEE-BTS/CRC Canada

Peng Yu, Beijing University of Posts and Telecommunications



The IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2024, the 19th in the series, will be held on June 19–21, 2024, Toronto, Canada. 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
- Metaverse

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



IEEE

