



BMSB 2026

Conference website: www.bmsb2026.com

The **IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2026**, the 21st in the series, will be held in **July 8-10, 2026, João Pessoa, Brazil**. 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.

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The symposium seeks unpublished technical papers on topics, including but not limited to:

1. Multimedia Transmission

- Channel modelling & 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
- Field Trials and test results
- Next generation of broadcasting standards
- UAV communication and route planning
- AI-Based communications
- Technologies beyond 5G

2. Multimedia Networking

- Multimedia for connect cars and IoT
- Multimedia datacasting
- Multimedia security
- Quality evaluation and dataset
- Audience measurement & behaviour study
- Quality of experience
- Future broadcasting services
- Convergence of broadcast and broadband
- Distributed or edge/fog-based multimedia services
- Cloud-based multimedia services
- 6G NTN system and networks

3. Multimedia Signal Processing

- Multimedia coding: image, video, audio
- Error resilience 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 & audio quality assessment

4. Multimedia Service and Quality

- 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
- XR/VR/AR-based communications
- RIS-assisted communications

Authors are invited to submit **extended abstracts (3 pages)** or **full papers (6 pages)** for review.

Manuscripts should be submitted in **PDF format**, using the **IEEE conference**:

<https://www.ieee.org/conferences/publishing/templates>

Please submit your paper to: <https://easychair.org/conferences/?conf=bmsb2026>

Submission of extended abstract/full paper: **January 10, 2026**

Notification of acceptance: **February 22, 2026**

Submission of camera-ready papers: **March 31, 2026**

