



June 15th – 17th, 2022. Bilbao, Spain

The IEEE International Symposium on Broadband Multimedia Systems and Broadcasting 2022, the 17th in the series, will be held in Bilbao. The symposium will be a premier forum for the presentation and exchange of technical advances in the rapidly converging areas of multimedia broadcasting, telecommunications, consumer electronics, and networking technologies. Prospective authors are invited to submit previously unpublished technical papers to one of the four Regular Tracks.



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
- # 5G: New Radio & New Core
- # Making better use of the spectrum
- # AI based signal processing
- # Technologies beyond 5G



Multimedia Networking

- # IPTV and streaming
- # Internet TV and OTT
- # LTE eMBMS, MooD & SCPTM
- # VoD, interactivity, datacasting
- # Multimedia NFV & SDN
- # Traffic and performance monitoring, congestion control
- # Networking and QoS
- # Cloud based multimedia services
- # Cloud and Content management
- # Broadcast Core Network
- # AI for Multimedia Networking Intelligence



Multimedia Signal Processing

- # Audio coding and processing
- # Video coding and processing
- # Content adaptation and scaling
- # Error resilient and concealment
- # Rate control
- # Retrieval and indexing
- # 3D, virtual reality, multiview video
- # Immersive audio
- # Content protection and watermarking
- # Objective video and audio quality assessment
- # Artificial intelligence in media processing
- # Scalable video coding & Content adaptation



Multimedia Service, Quality and Content

- # Multimedia for connected cars - Multimedia IoT
- # Multimedia datacasting - Multimedia security
- # Broadcast applications to Smart Cities
- # Multimedia service deployments
- # Performance evaluation techniques
- # Objective evaluation techniques
- # Subjective evaluation techniques
- # Audience measurement & behavior study
- # Object based broadcasting
- # Quality of Experience
- # Future broadcasting services
- # Convergence of Broadcast and Broadband
- # AI for Advanced Multimedia Service Management

Prospective authors are invited to submit extended abstracts of about 1000 words to:

<https://easychair.org/conferences/?conf=bmsb2022>

Each abstract must include at least two key words chosen from the topics mentioned above. All accepted and presented papers will be submitted for inclusion in IEEE Xplore®. Best conference paper and best conference student paper will be awarded.



Important dates

Submission of extended abstracts:	January 24 th , 2022
Notification of acceptance:	March 1 st , 2022
Submission of full papers:	April 15 th , 2022



General Chair

@ Jon Montalban Sanchez (UPV/EHU, Spain)



bmsb2022@ehu.eus



<https://www.ieee-bmsb2022.com/>



General CoChairs & International Steering Committee

- @ Yiyang Wu (IEEE BTS/CRC, Canada)
- @ Pablo Angueira (UPV/EHU, Spain)
- @ Sung-Ik Park (ETRI Korea)
- @ Jon Montalban Sanchez (UPV/EHU, Spain)
- @ Ralph Hogan (Rio Salado College/IEEE BTS, USA)
- @ Bill Hayes (Iowa Public TV/IEEE BTS, USA)
- @ Mauricio Murrioni (University of Cagliari, Italy)
- @ Kenichi Murayama (NHK, Japan)

- @ Peter Siebert (IEEE BTS, Switzerland)
- @ Jerry Whitaker (ATSC, USA)
- @ Wenjun Zhang (Shanghai Jiaotong University, China)
- @ Jian Song (Tsinghua University, China)
- @ Gabriel-Miro Muntean (DCU, Ireland)
- @ Shuji Hiraoka (Japanese Standards Association, Japan)
- @ David Gomez Barquero (UPV, Spain)
- @ Samina Husain (IEEE BTS, Switzerland)