



Call for Papers – abstracts due May 15, 2017

Today, broadcasting represents more than just AM, FM, and TV and the Symposium organizers look forward to receiving abstracts reflecting topics of broad interest to the broadcast community. Submitting an abstract of a timely and relevant technical paper relating to broadcast technology to the BTS Symposium Committee will enter you in a drawing for a free registration for yourself or guest. We are looking for papers on the following topics:

- ATSC 3.0
- TV repack issues
- Camera technology
- FM translators
- Datacasting and hybrid radio
- Cybersecurity
- AM revitalization
- Applications of drone technology
- Hybrid TV / second screen app

Other Topics of Interest Include:

- Digital radio and television systems: terrestrial, cable, satellite, internet, wireless
- Metadata systems and management
- AES inoperability
- Advanced RF modulation technologies
- Layered division multiplexing
- Advanced display technologies
- Personalized content
- Mobile / dashboard technology
- Hybrid (broadcast/broadband) technology
- Interactive technology for broadcast
- Ratings technology
- Advanced audio technology and processing
- Mobile DTV systems
- Cellular broadcast technologies
- Streaming delivery of broadcast content
- Non-real time (NRT) broadcast services
- "Second screen" technology and services
- Applying IT networks in broadcast facilities
- Cybersecurity, securing broadcast IT networks
- Transmission, propagation, reception, re-distribution of broadcast signals
- AM, FM, and TV transmitter and antenna systems
- Cable & satellite interconnection with terrestrial broadcasters
- Transport stream issues – ancillary services
- Unlicensed device operation in TV white spaces
- Next-gen broadcast platforms and standards development including: ATSC 3.0, FoBTV, 4K TV
- Advanced technologies and systems for emerging broadcasting applications
- Broadcast spectrum issues – re-packing, sharing
- Secondary service system design; mitigation of interference to primary services
- Electromagnetic compatibility issues between collocated services (e.g., broadcast and LTE)
- Broadcast studio design & construction including: IT requirements for broadcast, redundancy & survivability
- IP networking standards for broadcast applications

Call for Panels: Proposals to organize a panel session on a broadcast technology topic are encouraged. Prospective presenters are invited to submit extended abstracts of up to 500 words by e-mail to bts@ieee.org. Please indicate that the abstract is submitted for the *2017 IEEE Broadcast Symposium*, and include the corresponding author's full name and contact information including: affiliation, address, e-mail, and phone number. Deadline for abstracts is May 15, 2017.

More information – <http://bts.ieee.org/broadcastsymposium>