

Current Issue EDITORIAL

Dear reader,

In this 2016 Edition, we have prepared an issue with the most compelling demands for the future of our Broadcast Engineering segment. The chosen articles range from filter development for enhancing distortion, to the unceasing challenge to monitor the IP edge. In addition, we have selected attention-grabbing research involving the future of ISBD-Tb with High Dynamic Range content implementation, Data Channel for Services currently available and its expansion applications in Digital Television (TV), as well as the behavior of receivers in a Single Frequency Network. We have also received original contributions regarding the state-of-the-art technology on High Definition, with Photometric and Colorimetric analysis for TV monitors. The current on-going migration of traditional AM Radio to the FM-Extended range is also covered, introducing our readers to the possibilities of Software Defined Radio for receivers. Also on the question of Radio, we have an approach related to digital radio development, detailing implementations and comparisons of such engineering solution standards. We hope you enjoy and take advantage of these papers and feel motivated to submit us yours in the future.

We wish to inform you that the activities, events and publications of the Brazilian Society of Television Engineering – SET, including this one, enjoy international support, under formal agreements, from the following international organizations. We also take this opportunity to thank them and reiterate how proud we are that they support our work.



Society of Motion Picture & Television Engineers - SMPTE (USA)



International Broadcast Equipment Exhibition - Inter BEE (Japan)



National Association of Broadcasters - NAB - (USA)



International trade Association for suppliers of Broadcast and Media technology - IABM (UK)



World Wide Web Consortium - W3C - (USA)



Argentine Association of Broadcasting Equipment Manufacturers and Suppliers - CAPER (Argentina)



International Association of Broadcasting - AIR & IAB (Uruguay)



Broadcast India Show



International Convention of Communicators in Radio and Television & National Congress of Broadcasters - Expotec (Peru)



Audio Engineering Society

Best wishes,

SET IJBE Staff