

5G TUTORIAL: TECHNOLOGIES, OPPORTUNITIES AND CHALLENGES

The panel will present an overview of 5G technology, the new applications, including MBMS(5G Broadcast), VoD services, AR, AI, self-drive vehicles and the IoT. It will also raise regulatory issues involving technology, as well as the status of the set-up of 5G worldwide, and will deal with several aspects of the WRC-19 related to the topic. It will show the challenges for modernizing and qualification of infrastructure and interference with TVRO”.

Chair: Gunnar Bedicks - CTO at Seja Digital – EAD

- **5G: OVERVIEW, OPPORTUNITIES, AND CHALLENGES**

Speaker: Carlos Alberto S. Camardella - Telecom Engineering Consultant | Network Technological Evolution Board / CLARO

- **THE 5G IS ALREADY A REALITY**

Speaker: Luiz Felipe Zoghbi - Policy and Future Spectrum Project Manager GSMA



Gunnar Bedicks Gunnar Bedicks is one of Brazil's most distinguished experts in developing, deploying and evangelizing for digital TV. In the last decade, he has visited 32 countries around the world to discuss their switch from analog to digital television. Besides being Chief Scientist at the Digital TV Research Centre of the Universidade Presbiteriana Mackenzie in Sao Paulo, he teaches postgraduate, graduate and undergraduate courses in Digital Communications at the same university. He was one of the lead engineers for the testing and research that led the government of Brazil to adopt digital TV in 2004. His degrees include a Ph.D. in Electrical Engineering and an M.B.A. in Administration from the Universidade de São Paulo, as well as a B.E. in Telecommunications Engineering from the Instituto Nacional de Telecomunicações in Santa Rita do Sapucaí in Brazil. He holds seven patents and is fluent in Portuguese, English and German.



Carlos Alberto S. Camardella - Telecom Engineering Consultant | Network Technological Evolution Board / CLARO



Luiz Felipe Zoghbi - Policy and Future Spectrum Project Manager GSMA

He serves at GSMA in London, England as Policy and Future Spectrum Project Manager with focus on WRC-19 and 5G. Until 2018, he worked as a Regulatory Intelligence specialist and leader of the 700 MHz project at TIM Brasil, representing the Operator as an Advisor at Seja Digital / TV Perfeita and ABRTelecom. He has a degree in Business Administration from PUC-Rio and Utah State University (USA), with an extension from the University of Victoria (Canada), M.B.A. from UERJ and Master at the University of Angers (France).