

Date			
	Friday		
UTC-3 (Brazil Standard Time)	Topazio Room	Diamante Room	Rubi Room
7:00-9:00 a.m.	-	Virtual Session 5: 6G Native Architecture and Space-Air-Ground Service Enablement and ITS and secure streaming	Virtual Session 6: Multi-Scenario Interference Control and Cross-Border Signal Management
8:50-9:10 a.m.	Registration/Coffee Reception		
9:10-10:10 a.m.	Plenary Session 3	-	-
10:10-10:30 a.m.	Coffee Break Rooms Conferência 1, 2 and Auditório 1		
10:30 a.m.-12:10 p.m.	Session 17: Advanced Physical Layer Performance and Interference Studies for ATSC 3.0 and TV 3.0	Session 19: Video Super Resolution and Medical Systems	Session 18: TV 3.0 Transport Layer Architectures, Signaling Tables, and Tools
12:10-2:00 p.m.	Lunch Le Monde Restaurant		AE Meeting Diamante Room
2:00-3:40 p.m.	Plenary Panel Discussion: Future Developments in Media Technology	-	-
3:40-4:00 p.m.	Coffee Break Rooms Conferência 1, 2 and Auditório 1		
4:00-6:00 p.m.	FIFA World Cup Match 98	-	-

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Virtual Session 5: 6G Native Architecture and Space-Air-Ground Service Enablement and ITS and secure streaming		
Chair: Gustavo de Melo Valeira		
Paper ID	Title	Authors
15	6G Network Architecture Simplification based on Network Function Aggregation	Yanxia Xing, Wei Jiao, Heng Nie, Menghan Yu, Junli Xue and Heng Wang
17	Semantic-Aware Decentralized Content Discovery in the AIGC Era	Xinchi Li, Yang Liu and Xiaoqing Xia
142	Native Air Interface for 6G: Use Cases, Framework Design, and Standardization Challenges	Siyuan Jiang, Jincan Xin, Sen Xu, Xianda Liu, Hua Xu and Pu Song
144	Quality of Service Framework Evolution for Dynamic and Service-Aware 6G Networks	Hua Xu, Jiamin Hong and Shangkun Xiong
13	Experimental Validation of Uplink Transmission in Cell-free Radio Access Networks with Commercial Terminals for Extended Reality	Junli Xue, Xu Dai, Dongjie Liu, Qi Xun and Xinyi Qin
62	Interference Mitigation for 6G Space-Air-Ground Integrated Networks	Pingping Lin
74	Digital Twin-Enabled Resource Orchestration for ISAC in 6G Space-Air-Ground Integrated Networks	Yuqing Chai and Xiaohang Xu
58	Integrating Object Detection and Multimodal Large Models for Real-Time Video-to-Odor Generation	Dongyang Ding, Ting Bi, Guandong Li, Rongzong Huang, Zhengsi Lin, Shih-Yu Chang and Gabriel-Miro Muntean

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Virtual Session 6: Multi-Scenario Interference Control and Cross-Border Signal Management		
Chair: Pollyana Notargiacomo		
Paper ID	Title	Authors
51	Collaborative Multi-Base Station Interference Mitigation for Cross-Border Signal Leakage in Border Regions	Bingxin Wang, Lei Liu and Jie Wang
52	Collaborative UAV Swarm for Mitigating Cross-Border Signal Interference in Border Regions	Bingxin Wang, Lei Liu and Jie Wang
66	An Interference Control Method for Mobile Communication Base Stations Based on Out-of-Band Performance Control and Beam Adjustment	Lei Liu, Xiaohang Xu and Jie Wang
69	Dynamic Time-Frequency Resource Scheduling for Interference Control in Railway Communication Systems	Peiyu Li, Lei Liu and Bingxin Wang
70	A Dynamic Fence Interference Control Method for Base Stations in Border Areas	Gang Liu, Lei Liu and Dan Tu
77	Simulation Analysis of Deployment Scenarios in Communication Networks	Jingdi Liu, Chunxia Guo, Yantao Han, Xiaoran Zhang, Xinning Zhao and Zhenping Hu
79	Co-Channel and Adjacent Channel Interference Analysis of 5G Base Stations on GSM Base Stations in 800 MHz Band	Dan Tu, Lei Liu and Bingxin Wang
140	Enhancing MIMO-OFDM for Broadband Multimedia Systems: A Fractional Fourier Transform Approach	Junghwan Kim and George Buop

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July 10, 2026		
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10:30 a.m.–12:10 p.m.		
Session 17: Advanced Physical Layer Performance and Interference Studies for ATSC 3.0 and TV 3.0		
Chair: Paulo Henrique Castro and Sungjun Ahn		
Paper ID	Title	Authors
101	Empirical Derivation of Closed-Form Formulas for ATSC 3.0 Physical Layer L1 Signaling Fields	João Pedro da Silva, Cristiano Akamine and Fadi Jerji
107	Field Evaluation of Hybrid ATSC/LTE RTK Correction Delivery with Coverage Overlap and Tail-Risk Metrics	Sungho Jeon, Hong-Gi Shin, Doo-Kyung Park, Dong-Kwan Lee, Seung-Ho Lee and Sung-Ik Park
130	LTE Interference on TV 3.0 MIMO Reception	Beatriz de Assis Semeone, Adriano Lombardo Mori, Yuri Pontes Maciel, George Henrique Maranhao Garcia de Oliveira, Ricardo Seriacopi Rabaça and Julio Omi
125	Evaluation of different MIMO antenna positioning configurations for TV 3.0 indoor reception scenarios	Beatriz de Assis Semeone, George Henrique Maranhao Garcia de Oliveira, Ricardo Seriacopi Rabaça, Luciano Neves dos Santos Junior, Daniel Pedroso Neri, Adriano Lombardo Mori, Edson Tafeli Carneiro dos Santos and Marcos Stefanelli Vieira

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10:30 a.m.–12:10 p.m.		
Session 19: Video Super Resolution and Medical Systems		
Chair: Adriano Adoryan and Shihyu Chang		
Paper ID	Title	Authors
117	HTTP-Based STLTP Delivery over CDN: An Alternative Architecture for Terrestrial Television Distribution	Boris Kauffmann, Luciano Neves dos Santos Junior, Ricardo Seriacopi Rabaça and Cristiano Akamine
119	Development of a STLTP Extractor	Daniel Neri, Vinicius Tricoli, João da Silva, George de Oliveira and Cristiano Akamine
133	An Overview of the new LLS and SLS tables for TV 3.0	Luciano Neves dos Santos Junior, George Henrique Maranhão Garcia de Oliveira, Ricardo Seriacopi Rabaça and Cristiano Akamine
126	Development of BAMT and TBSAT Table Generator	Vinicius Tricoli, Daniel Neri, George Oliveira and Cristiano Akamine
131	PLP Aggregation enabling geoprphic localcasting environment in DTV+ Brazilian ecosystem	Aldrik Coispel, Steven Fachus, Luciano Neves dos Santos Junior and Richard Lhermitte

Diamante Room		
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10:30 a.m.–12:10 p.m.		
Session 18: TV 3.0 Transport Layer Architectures, Signaling Tables, and Tools		
Chair: Fadi Jerji and Peter Siebert		
Paper ID	Title	Authors
46	Two-Stage Distillation-Based Single-Step Diffusion for Video Super-Resolution	Yiwen Wang, Xinning Chai, Yuhong Zhang, Zhengxue Cheng, Rong Xie and Li Song
94	MLASR: A Machine Learning-Based Adaptive Video Delivery Solution for Super-Resolution	Devanshu Anand, Ting Wang and Gabriel-Miro Muntean
120	Gender-Aware Classification of Autism Spectrum Disorder Using Brain Connectivity and Graph Neural Networks	Valesca Frey Pereira, Cristina Hava Muntean and Anderson Augusto Simiscuka
146	A Parallel Adaptive Spatial Indexing Framework for Edge-Based Multimedia Broadcasting Services in Intelligent Transportation System	Zhengjian Li, Desheng Chen, Jingyi He, Jiabao Wen, Shuai Xiao and Jiachen Yang

Topazio Room	
July 10, 2026	
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2:00–3:30 p.m.	
Panel Discussion: Future Developments in Media Technology	
Chair: Cristiano Akamine	
Title	Author
The Future Role of Broadcasting in the Digital Economy	Yiyan Wu Western University - IEEE BTS
From TV Delivery to National Infrastructure Platform: The Future Role of Terrestrial Broadcasting	Sung-Ik Park Electronics and Telecommunications Research Institute
Toward Immersive Hybrid Extended Reality Experiences	Maurizio Murrone University of Cagliari
The Trust Layer of Media Technology: Measurement, Privacy and Conformance	Marcelo Ferreira Moreno Federal University of Juiz de Fora
Cross-network Collaborative Transmission in SJTU Campus	Dazhi He Shanghai Jiaotong University and NERCDTV