



APMC 2025

2025 ASIA-PACIFIC MICROWAVE CONFERENCE

DEC 2 - 5, 2025 | ICC JEJU, Jeju Island, Korea

Session Title:	[WA2] [SS] Joint APMC/EuMC Special Session
Session Date:	December 3 (Wed.), 2025
Session Time:	15:40–17:25
Session Room:	Room A (Halla A)

[WA2-1] [Invited] 15:40–15:55

Integrated Ka-Band Phased Array Antenna with 4-Channel Beamforming IC for LEO Inter-Satellite Links
Seong-Mo Moon, Jongho Yoo, Changjoo Park and Dong-pil Chang (ETRI, Korea (South))

[WA2-2] [Invited] 15:55–16:10

D-Band Broadside Multi-Beam Radiation Using a Butler-Matrix-Fed DRA Array
Sonu Kumar (Nanyang Technological University, Singapore); Robin Kalyan (Agency for Science, Technology & Research, Singapore); Jiaming Piao (Nanyang Technological University, Singapore); Kevin Chai Tshun Chuan (Scientist, Singapore); Arokiaswami Alphones (Nanyang Technological University, Singapore)

[WA2-3] [Invited] 16:10–16:25

Load Pull Driven Insights for GaN on Si Technology Optimisation at FR3/FR2
Rana ElKashlan, Daanish Smellie, Alfredo Sanchez Ramos, Babak Kazemi Esfeh, Aarti Rathi, Hao Yu, Sachin Yadav and Alireza Alian (imec, Belgium); Dominique Schreurs (KU Leuven, Belgium); Uthayasankaran Peralagu and Bertrand Parvais (imec, Belgium)

[WA2-4] [Invited] 16:25–16:40

Advanced Duplex Systems and Self-Interference Cancellation Demonstration
Byung-Wook Min, Gisung Yang and Hwan-Jae Cho (Yonsei University, Korea (South)); Sangwook Kim (Yonsei University, Seoul, Korea (South)); Hyunseung Kang (Yonsei University, Korea (South))

[WA2-5] [Invited] 16:40–16:55

Sub-THz Circuit and System Architectures for Communication and Sensing in 6G and Beyond
Manuel Koch, Alexander Schönecker, Chiara Kohl and Sascha Breun (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany); Robert Weigel (Friedrich-Alexander Universität Erlangen-Nürnberg, Germany); Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

[WA2-6] [Invited] 16:55–17:10

Gearbox RF – the Backbone of Privacy and Energy Efficiency in 6G?
Padmanava Sen (Research Group Leader, Barkhausen Institut gGmbH, Germany & Barkhausen Institut gGmbH, Germany); Florian Gast (Technische Universität Dresden, Germany); Sandra George (Barkhausen Institut, Germany); Gerhard P. Fettweis (Technische Universität Dresden, Germany)

[WA2-7] [Invited] 17:10–17:25

Dual-Band Antenna Element Using Low Temperature Co-Fired Ceramic for Joint Communication and Sensing
Kevin Adrianus Petrus van Hastenberg (University of Technology Eindhoven, The Netherlands); A. B. (Bart) Smolders (Eindhoven University of Technology, The Netherlands)