



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)
Session Chair(s):	Padmanava Sen (Barkhausen Institute, Germany) Arokiaswami Alphones (Nanyang Technological University, Singapore)

[WA2-1] [Invited]	15:40–15:55
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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
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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 (Agency for Science, Technology & Research, Singapore); Arokiaswami Alphones (Nanyang Technological University, Singapore)

[WA2-3] [Invited]	16:10–16:25
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Load Pull Driven Insights for GaN on Si Technology Optimisation at FR3/FR2
Rana ElKashlan, Daanish Smellie, Alfredo Sanchez Ramos, Babak Kazemi Esfeh, Aarti Rath, 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
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Advanced Duplex Systems and Self-Interference Cancellation Demonstration
Byung-Wook Min, Gisung Yang, Hwan-Jae Cho, Sangwook Kim and Hyunseung Kang (Yonsei University, Korea (South))

[WA2-5] [Invited]	16:40–16:55
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Sub-THz Circuit and System Architectures for Communication and Sensing in 6G and Beyond
Manuel Koch, Alexander Schönecker, Chiara Kohl, Sascha Breun, Robert Weigel and Norman Franchi (Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany)

[WA2-6] [Invited]	16:55–17:10
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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
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Dual-Band Antenna Element Using Low Temperature Co-Fired Ceramic for Joint Communication and Sensing
Kevin Adrianus Petrus van Hastenberg, A. B. (Bart) Smolders (Eindhoven University of Technology, The Netherlands)