



[FrE1] [Special Session] Antennas Aspects of 5G Communication in the next 5 Years

Date / Time	Oct. 26 (Fri.), 2018 / 08:30-10:10
Place	Room E (Venice Room)
Session Chairs	Wonbin Hong (POSTECH, Korea) Raj Mittra (University of Central Florida, USA)

FrE1-1

08:30-08:50

Some Challenges in Millimeter Wave Antenna Designs for 5G

Raj Mittra^{1,2}

¹University of Central Florida, USA, ²King Abdulaziz University, Saudi Arabia

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08:50-09:10

Advanced Coupled-Fed MIMO Antennas for Next Generation 5G Smartphones

Chisang You¹, Doochan Jung¹, Moonsoo Song¹, and Kin-Lu Wong²

¹LG Electronics, Korea, ²National Sun Yat-Sen University, Taiwan

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09:10-09:30

A Dual-Band Circularly Polarized Antenna with Large Frequency Ratio for 5G Applications

Shao Yong Zheng

Sun Yat-Sen University, China

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09:30-09:50

28 GHz Pattern Reconfigurable Block Cell Antenna Featuring Electrically Small Profile

Moogoong Choo, Junho Park, and Wonbin Hong

POSTECH, Korea

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09:50-10:10

Wideband 39 GHz Vertically-Polarized Endfire Antenna-in-Package (AiP) Array Featuring Near-Planar Profile

Junho Park, Seung Yoon Lee, and Wonbin Hong

POSTECH, Korea