Session C20

RF Circuits and Techniques

Thursday, June 21, 10:05 a.m.
HONOLULU 1

Co-Chairs: M. Chen, University of Southern California
H. Shin, Kwangwoon University

C20-1 - 10:05 a.m.
Terahertz RF Front-End Employing Even-Order Subharmonic MOS Symmetric Varactor Mixers in 65-nm CMOS for Hydration Measurements at 560 GHz, Q. Zhong, W. Choi, K. O, The University of Texas at Dallas

C20-2 - 10:30 a.m.
A Sub-Harmonic Switching Digital Power Amplifier with Hybrid Class-G Operation for Enhancing Power Back-off Efficiency, A. Zhang, M. Chen, University of Southern California

C20-3 – 10:55 a.m.
A 5.5 GHz Background-Calibrated Subsampling Polar Transmitter with -41.3 dB EVM at 1024 QAM in 28nm CMOS, N. Markulic*, P. Renukaswamy*, E. Martens, B. van Liempd, P. Wambacq*, J. Craninckx, imec; *also at Vrije Universiteit Brussel

C20-4 - 11:20 a.m.
A 16-Gb/s 0-dB Power Back-off 16-QAM Transmitter at 28 GHz in 65-nm CMOS, X. Meng, C. Wang, M. Kalantari, C. P. Yue, The Hong Kong University of Science and Technology

C20-5 – 11:45 a.m.