Session C15

Capacitive Sensor Interfaces

Wednesday, June 20, 3:25 p.m.
HONOLULU 2

Co-Chairs: K. Makinwa, Delft University of Technology
Y. Xu, National University of Singapore

C15-1 - 3:25 p.m.

C15-2 - 3:50 p.m.
A 117dB In-band CMRR 98.5dB SNR Capacitance-to-Digital Converter for Sub-nm Displacement Sensing with an Electrically Floating Target, H. Jiang, S. Amani, J. Vogel, S. Shalmany, and S. Nihtianov, Delft University of Technology

C15-3 - 4:15 p.m.

C15-4 - 4:40 p.m.
A 2.69µW Dual Quantization-based Capacitance-to-Digital Converter for Pressure, Humidity, and Acceleration Sensing in 0.18µm CMOS, S.Park, G.H.Lee, S.H.Cho, KAIST

C15-5 - 5:05 p.m.
An 8.2 µW 0.14 mm² 16-Channel CDMA-Like Period Modulation Capacitance-to-Digital Converter with Reduced Data Throughput, Y. Luo, C.-H. Heng, National University of Singapore