MCWL “Tatsuo Itoh” Award

Recognizes, on an annual basis, the most significant contribution in a paper published in the IEEE Microwave and Wireless Component. Letters.

O. El-Aassar, and G. Rebeiz, for their paper "*A 120-GHz Bandwidth CMOS Distributed Power Amplifier with Multi-Drive Intra-Stack Coupling*", IEEE Microwave and Wireless Components Letters Tatsuo Itoh Prize, Vol. 30, No. 8, pp. 782-785, August 2020.

Omar El-Aassar

Omar El-Aassar received the B.Sc. (Hons.) and M.Sc. degrees in electrical engineering from Ain Shams University, Cairo, Egypt, in 2011 and 2015, and the Ph.D. degree from the University of California at San Diego, CA, USA, in 2020. He was a Teaching Assistant with the Electronics and Communications Engineering Department, Ain Shams University, from 2011 to 2015, also a Senior Analog/RF IC Design Engineer with Si-Ware Systems, Cairo. In 2019, he was with the RFIC Team, Qualcomm, San Diego, CA, USA. He is currently with Apple, San Diego. His research interests include RF/mm-wave, ultrawideband and timung circuits and systems. Dr. El-Aassar was a recipient of the Analog Devices Outstanding Student Designer Award in 2019 and the Dr. William Chang Best Dissertation Award at the University of California at San Diego in 2020.

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Gabriel Rebeiz

Gabriel M. Rebeiz is Distinguished Professor, the Wireless Communications Industry Endowed Chair at UCSD, and Member of the National Academy (elected for phased-arrays) and an IEEE Fellow. His group has led the development of complex RFICs for phased-array applications from X-band to W-band, culminating recently in wafer-scale integration with high-efficiency on-chip antennas. His is considered to be the father of affordable silicon-based phased-arrays, and his 2x2 and 4x4 RF-beamforming architectures, single- and multiple-beams, are now used by most companies developing communication and radar systems. Also, all SATCOM phased-array development is based on his work and architectures. Prof. Rebeiz has received the IEEE Microwave Prize three times for his work on phased-arrays, the IEEE MTT Distinguished Educator Award, the IEEE AP John. D. Krauss Award, the IEEE AP Harold A. Wheeler Applications Paper Award, and the IEEE Daniel E. Noble Technical Field Award for his work on RF MEMS. He has graduated 115 PhD students and post-docs, has written more than 750 IEEE publications, and has been referenced over 41,000 times with an h-index of 96 (one of the highest in the world for RF/microwaves). He was a co-founder of Spectra-Beam (acquired by IDT/Renesas), co-founder of Extreme Waves Inc. and is an advisor to several of the large commercial and defense companies in the US.