

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.

Abbas Semnani, Mohammad Abu Khater, Yu-Chen Wu, and Dimitrios Peroulis (all from the School of Electrical and Computer Engineering and Birck Nanotechnology Center, Purdue University, West Lafayette, IN USA), for their paper

“An Electronically Tunable High-Power Impedance Tuner with Integrated Closed-Loop Control,” IEEE Microwave and Wireless Components Letters, Vol. 27, No. 8, pp. 754-756, August 2017.



Dimitrios Peroulis

Dimitrios Peroulis is the Michael and Katherine Birck Head and Reilly Professor of Electrical and Computer Engineering at Purdue University. He received his PhD degree in Electrical Engineering from the University of Michigan at Ann Arbor in 2003. His current research interests are focused on the areas of reconfigurable electronics, cold-plasma RF electronics, and wireless sensors. He has been a key contributor in developing high quality widely-tunable filters and novel filter architectures based on miniaturized high-Q cavity-based resonators in the 1-100 GHz range. He is an IEEE Fellow and has co-authored over 380 journal and conference papers.

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Abbas Semnani

Abbas Semnani received his B.Sc. degree from the University of Tehran in 2000, and the M.Sc. and Ph.D. degrees from the K. N. Toosi University, in 2002 and 2009, respectively, all in electrical engineering. During his Ph.D., he had a four month visiting scholarship at the Aristotle University of Thessaloniki. He was then a Research and Teaching Associate at the K. N. Toosi University from 2009 to 2012. Since then, he has been at Purdue University where he is currently a Research Assistant Professor. His research interests include reconfigurable microwaves, low-temperature plasma, tunable and small antennas, and plasma-EM interactions.

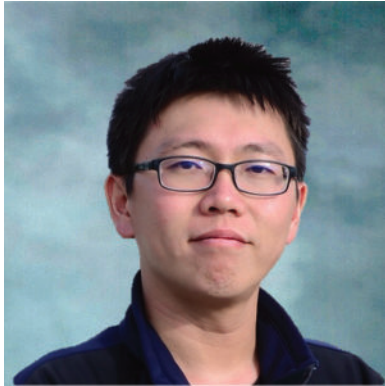


Mohammad Abu Khater

Mohammad Abu Khater (S'02–M'16–SM'19) received his PhD in Electrical and Computer Engineering from Purdue University in 2015, where he also held a postdoc position until 2017. His research interests are primarily focused on wireless tunable filter control, low-power supplies, and RF circuits and systems. He is currently an assistant professor at Princess Sumaya University of Technology, Jordan. His industry experience includes Intel Labs, and Qualcomm. He received the Fulbright scholarship in 2007. Mohammad is also a recipient of the Magoon award for excellence in teaching from the college of engineering at Purdue University in 2012.

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Yu-Chen Wu

Yu-Chen Wu (S'13-M'17) is a Technical Staff with NanoSemi, Inc., Waltham, MA. He received the Ph.D. degree from Purdue University, West Lafayette, IN, in 2017. His research interests include RF/microwave circuit designs and analysis, silicon-based substrate noise coupling characteristics, and high-Q components and devices. Currently he is involved in RF front-end system linearizations and analysis for wireless communication system.

Dr. Wu won the Second-Place Award of the IMS Student High Efficiency PA Design Competition in 2012, and the Honorable Mention and the Second-Place Award of the IMS Student Wideband Balun Design Competition in 2015 and 2017, respectively.