

IEEE Microwave and Wireless Technology Letters Tatsuo Itoh Best Paper Award

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

Emre Akso, Weiyi Li, Christopher Clymore, Everett O'Malley, Matthew Guidry, Justin Kim, Brian Romanczyk, Henry Collins, Boyu Wang, Christian Wurm, Nirupam Hatui, Stacia Keller, James Buckwalter, Umesh Mishra — For the outstanding/impactful paper entitled, "Record D-Band Performance from Pre-Matched N-Polar GaN-on-Sapphire Transistor with 2 W/mm and 10.6% PAE at 132 GHz," *IEEE Microwave and Wireless Technology Letters*, vol. 34, no. 4, April 2024"

Emre Akso

Dr. Emre Akso received his BS degree in Electronics and Communication Engineering from Istanbul Technical University in 2018. Later, he obtained MS and PhD degrees from the University of California, Santa Barbara (UCSB) in Electrical and Computer Engineering in 2020 and 2023, respectively. Through his work, he has demonstrated record transistor level performance in power, efficiency, and linearity from the state-of-the-art N-polar GaN HEMTs. At present, he is concurrently employed as RF Engineer at a start-up company and as Assistant Project Scientist at UCSB. Dr. Akso is a co-recipient of the 2023 IEEE Electron Device Society Paul Rappaport Award.



Weiyi Li

Weiyi Li received his B.S. degree in electronics information engineering from Zhejiang University in Hangzhou, China in 2014, and his M.S. degree in micro-electronics from University of Chinese Academy of Sciences in Beijing, China in 2017. He obtained his Ph.D. degree in electrical and computer engineering from UC Santa Barbara in 2022. He is currently the RF GaN Technology Lead at Kilby Labs, Texas Instruments, Dallas, TX, USA. His research interests include compound semiconductor devices (GaN, AlN, Ga₂O₃) for radio-frequency and power electronics applications. He serves as a member of the Technical Program Committee for the IEEE BiCMOS and Compound Semiconductor Integrated Circuit and Technology Symposium (BCICTS). He was a recipient of the 2023 IEEE EDS Paul Rappaport Award.



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Justin Kim

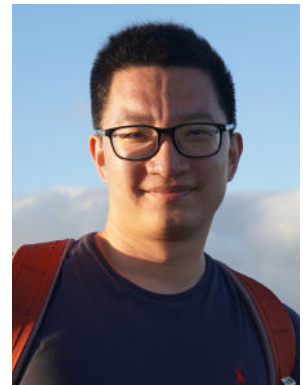
Justin Kim received the B.S. degree in electrical engineering from the University of California at Santa Barbara (UCSB), Santa Barbara, CA, USA, in 2022. He is currently pursuing the Ph.D. degree in electrical and computer engineering at UCSB. His research interests include digitally-enabled millimeter-wave circuit design and joint radar and communication applications.

He is also a RFIC Senior Design Engineer at PseudolithIC, Inc. and has been designing heterogeneously integrated power amplifiers since 2022. Justin's work at PseudolithIC has won the 1st Place Industry Paper award at RFIC 2024 for his work on Indium Phosphide and Gallium Nitride heterogeneously integrated power amplifiers on the same silicon substrate.



Boyu Wang

Boyu Wang is a Ph.D. student in Professor Umesh Mishra's group at the University of California, Santa Barbara. His research focuses on GaN-based RF power devices, with interests in wide-bandgap semiconductor device design, fabrication, characterization, and modeling.



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James Buckwalter

James F. Buckwalter is Professor of Electrical and Computer Engineering with the University of California - Santa Barbara (UCSB), Santa Barbara and Chief Technology Officer at PseudolithIC, Inc which he founded in 2021. He received the B.S. degree with honors in electrical engineering from the California Institute of Technology (Caltech), Pasadena, in 1999, M.S. degree from the University of California, Santa Barbara in 2001, and Ph.D. degree in electrical engineering from Caltech in 2006. He has been recognized with a DARPA Young Faculty Award and NSF CAREER Award. He has published more than 280 peer-reviewed papers on radio-frequency and optoelectronic integrated circuit technologies and graduated more than 30 PhD students. He is a Senior Member of the National Academy of Inventors and a Fellow of the IEEE.



**Christopher Clymore, Everett O'Malley, Matthew Guidry, Brian Romanczyk,
Henry Collins, Christian Wurm, Nirupam Hatui, Stacia Keller, Umesh Mishra**

No photo or bio available at time of publication.