

Microwave Prize

Recognizes, on an annual basis, the most significant contribution by a published paper to the field of interest of the MTT-S. The Microwave Prize is the Society's oldest Award.

Chao Yu, Jianxin Jing, Han Shao, Zhi Hao Jiang, Pinpin Yan, Xiao-Wei Zhu, Wei Hong, Anding Zhu for their paper "*Full-Angle Digital Predistortion of 5G Millimeter-Wave Massive MIMO Transmitters*," IEEE Transactions on Microwave Theory and Techniques, vol. 67, no. 7, pp. 2847-2860, July 2019.



Chao Yu

Chao Yu (Member, IEEE) received the B.E. degree in information engineering and the M.E. degree in electromagnetic fields and microwave technology from Southeast University (SEU), Nanjing, China, in 2007 and 2010, respectively, and the Ph.D. degree in electronic engineering from University College Dublin (UCD), Dublin, Ireland, in 2014. He is currently an Associate Professor with the State Key Laboratory of Millimeter Waves, School of Information Science and Engineering, SEU. His research interests include microwave and millimeter-wave power amplifier modeling and linearization, and 5G massive multiple-input-multiple-output (MIMO) RF system design.



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Jianxin Jing received the B.E. degree in applied physics from the University of Electronic Science and Technology of China, Chengdu, China, in 2017, and the M.E. degree in electromagnetic fields and microwave technology from Southeast University, Nanjing, China, in 2020.

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Microwave Prize

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Han Shao

Han Shao was born in Xuzhou, China, in 1994. He received the B.S. degree in communication engineering from the Nanjing University of Science and Technology, Nanjing, China, in 2016. He received the M.S. degree in microwave technology at the State Key Laboratory of Millimeter Waves, Southeast University, Nanjing, China, in 2019.



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Microwave Prize

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Pinpin Yan

Pinpin Yan received the B.S. degree in radio engineering and M.S. and Ph.D. degrees in electromagnetic field and microwave technique from Southeast University, Nanjing, China, in 2000, 2004, and 2009, respectively.

Since 2000, she has been with the State Key Laboratory of Millimeter Waves, Southeast University, and is currently an associate professor with the School of Information Science and Engineering. Her research interests include microwave and millimeter-wave circuit design and monolithic microwave integrated circuit design.



Xiao-Wei Zhu

Xiao-Wei Zhu (S'88–M'95) received Ph.D. degrees in radio engineering from Southeast University, Nanjing, China. He is currently a Professor with the School of Information Science and Engineering, Southeast University. His research interests include RF and antenna technologies for wireless communications, as well as microwave & millimeter-wave theory and technology, and also power amplifier nonlinear character and its linearization research with a particular emphasis on wideband and high efficiency GaN PAs. He has authored or coauthored over 100 technical publications and more 20 patents. He was the recipient of the 2003 Second-Class Science and Technology Progress Prize of Jiangsu Province, China. Dr. Zhu is Secretary of IEEE AP/MTT/ EMC Joint Nanjing Chapter.

Microwave Prize

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Wei Hong (M'92-SM'07-F'12) received the PhD degree from Southeast University, Nanjing, China, in 1988. Since 1988, he has been with the State Key Laboratory of Millimeter Waves and serves for the director of the lab since 2003, and is currently a professor of the School of Information Science and Engineering, Southeast University. Prof. Hong is a Fellow of IEEE, the vice presidents of the CIE Microwave Society and Antenna Society. He was an elected IEEE MTT-S AdCom member during 2014-2016 and served as the Associate Editor of the IEEE Trans. on MTT from 2007 to 2010.



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