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Prof. Zhang was a Member of the Field Award Committee of the IEEE AP-S (2015-2017), an Associate Editor of the IEEE Transactions on Antennas and Propagation (2010-2016), and the Chair of the IEEE Singapore MTT/AP joint Chapter (2012). Prof. Zhang was selected by the Recruitment Program of Global Experts of China as a Qianren Scholar at Shanghai Jiao Tong University (2012). He was awarded a William Mong Visiting Fellowship (2005) and appointed as a Visiting Professor (2014) by the University of Hong Kong.

Prof. Zhang has published numerous papers, including two invited papers in the Proceedings of the IEEE and one invited paper in the IEEE Transactions on Antennas and Propagation. He holds 7 US patents. He received the Best Paper Award from the 2nd IEEE/IET International Symposium on Communication Systems, Networks and Digital Signal Processing, July 18–20, 2000, Bournemouth, U.K., the Best Paper Prize from the 3rd IEEE International Workshop on Antenna Technology, March 21–23, 2007, Cambridge, U.K., and the Best Paper Award from the 10th IEEE Global Symposium on Millimeter-Waves, May 24–26, 2017, Hong Kong, China. He received the prestigious IEEE AP-S Sergei A. Schelkunoff Prize Paper Award in 2012.

Prof. Zhang has made pioneering and significant contributions to the development of the antenna-in-package (AiP) technology that has been widely adopted by chip makers for millimeter-wave applications. His current research interests include the development of antenna-on-chip (AoC) technology and characterization of chip-scale propagation channels at terahertz for wireless chip area network (WCAN).