

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.

Jaber Moghaddasi, Tarek Djerafi, and Ke Wu, for their paper Multiport Interferometer-Enabled 2-D Angle of Arrival (AOA) Estimation System, IEEE Transactions on Microwave Theory and Techniques, vol. 65, no. 5 (part 2), pp. 1767 – 1779 May 2017



Jaber Moghaddasi

Jaber Moghaddasi received his B.Sc degree in electrical engineering from K. N. T University of Technology, Tehran, Iran, in 2010, and his Ph.D degree from Polytechnique Montréal in Montréal, Canada, in 2017. He has authored several peer reviewed papers and holds three patents. He was a recipient of several awards, including the best paper award in the IEEE IWS-2013 in Beijing, China, and the student challenge prize in EuMW-2013 in Nuremberg, Germany. He joined BlackBerry Company in 2015 and worked as co-op research student with Huawei Company throughout 2014. In 2017, he joined Hytera Company as RF engineer, in Richmond, Canada.



Tarek Djerafi

Tarek Djerafi (M'12) received the B.Sc. degree from the Institut d'Aeronautique de Blida, Blida, Algeria, in 1998, and the M.A.Sc. and Ph.D. (Hons.) degrees in electrical engineering from the École Polytechnique de Montréal, Montréal, QC, Canada, in 2005 and 2011, respectively. He was an EMC Expert with SCP SCIENCE, Montréal, from 2010 to 2011, a Post-Doctoral Fellow with INRS-EMT, Montréal, from 2012 to 2014, and with the Ecole Polytechnique de Montréal, from 2014 to 2015, and a Research Associate with the Poly-Grames Research Center, Montréal, from 2015 to 2016. He is currently an Assistant Professor with the Institut National de Recherche Scientifique, Énergie Matériaux et Télécommunications, Montréal. His current research interests include the telecommunication antennas, beam-forming networks, and RF/millimeter-wave/terahertz components and systems design.



Ke Wu

Ke Wu (M'87–SM'92–F'01) received the B.Sc. degree (with distinction) in radio engineering from the Nanjing Institute of Technology (now Southeast University), Nanjing, China, in 1982, and the D.E.A. and Ph.D. degrees in optics, optoelectronics, and microwave engineering (with distinction) from the Institut National Polytechnique de Grenoble (INPG), Grenoble, France, and the University of Grenoble, Grenoble, France, in 1984 and 1987, respectively.

He was the Founding Director with the Center for Radiofrequency Electronics Research of Quebec (Regroupement stratégique de FRQNT) and the Tier-I Canada Research Chair in RF and millimeter-wave engineering. He has been the Director with the Poly-Grames Research Center, Montréal. He is currently a Professor of electrical engineering and the NSERC-Huawei Industrial Research Chair in Future Wireless Technologies with the Polytechnique Montréal. He has authored or co-authored over 1100 referred papers and a number of books/book chapters and has filed more than 40 patents. He was the General Chair of the 2012 IEEE Microwave Theory and Techniques Society (IEEE MTT-S) International Microwave Symposium (IMS) and was the 2016 IEEE MTT-S President. Dr. Wu is a Fellow of the Canadian Academy of Engineering and the Royal Society of Canada (The Canadian Academy of the Sciences and Humanities). His current research interests include substrate integrated circuits, antenna arrays, field theory and joint field/circuit modeling, ultrafast interconnects, wireless power transmission and harvesting, and MHz-through-THz transceivers, and sensors for wireless systems and biomedical applications.