IEEE Transactions on Terahertz Science & Technology Best Paper Award

Recognizes, on an annual basis, the most significant contribution in a paper published in the IEEE Transactions on Terahertz Science and Technology.

John D. Garrett, Cheuk-Yu Edward Tong, Lingzhen Zeng, Tse-Jun Chen, and Ming-Jye Wang, "A 345-GHz Sideband-Separating Receiver Prototype With Ultra-Wide Instantaneous Bandwidth", *IEEE Transactions on Terahertz Science and Technology*, vol. 13, no. 3, pp. 237-245, May 2023

John D. Garrett

John D. Garrett received the B.Sc. degree in electrical engineering from the University of Alberta in 2012, the M.Sc. degree in electrical engineering from the University of Calgary in 2014, and the D.Phil. degree in astrophysics from the University of Oxford in 2018. From 2019 to 2022, he was a Submillimeter Array (SMA) Postdoctoral Fellow at the Harvard–Smithsonian Center for Astrophysics in Cambridge, MA. He is currently with D-Wave Systems in Burnaby, BC, Canada, developing cryogenic rf electronics for quantum computing.

Cheuk-Yu Edward Tong

Dr. Cheuk-Yu Edward Tong earned his bachelor's degree in Electrical Engineering from the University of Hong Kong and obtained a Ph.D. in Physics from the University of Joseph Fourier in Grenoble, France. He then pursued postdoctoral research with the Applied Superconductivity Research Group at the Communications Research Laboratory in Tokyo, Japan.

Currently based at the Center for Astrophysics | Harvard & Smithsonian in Cambridge, MA, Dr. Tong has designed many superconducting astronomical receivers spanning microwave to terahertz frequencies. His research focuses on superconducting receiver technology, ultra-wideband receiver systems, space VLBI receivers for black hole observations, and advanced microwave measurement techniques.

IEEE Transactions on Terahertz Science & Technology Best Paper Award

– CONTINUED –

Lingzhen Zeng

Lingzhen Zeng received the B.S. degree in physics from the University of Science and Technology of China in 2005 and the Ph.D. degree in astronomy from Johns Hopkins University in 2012. He is currently a physicist at the Center for Astrophysics | Harvard & Smithsonian. His research focuses on experimental cosmology, including the development of millimeter-wave instrumentation and precision measurements of the cosmic microwave background. He has contributed to several ground-based and sub-orbital experiments targeting fundamental questions in astrophysics and cosmology.

Tse-Jun Chen, Ming-Jye Wang

No photo or bio available at time of publication.