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Editorial

DEAR colleagues,

Welcome to the fifth issue of Volume 15 of the IEEE TRANSACTIONS ON TERAHERTZ SCIENCE AND TECHNOLOGY (T-TST), which includes 13 original papers covering a wide range of topics of interest to the THz community. I hope you will enjoy reading this issue.

With this editorial, I would like to share with the T-TST readers some changes in our editorial board. Two members of our editorial board will be retiring from their roles: Andrea Neto and Adrian Tang. I am deeply grateful for their years of service and

dedication. At the same time, I am pleased to welcome two new members to the editorial board: Yasuaki Monnai and Corrado Carta. Short biographies of the new editors can be found at the end of this editorial.

As always, I welcome your feedback and ideas on how we can continue to improve the journal. Please do not hesitate to contact me.

NURIA LLOMBART, *Editor-in-Chief*
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Dr Yasuaki Monnai, University of Tokyo, Japan Yasuaki Monnai received the B.E. degree in mathematical engineering and information physics and the M.S. and Ph.D. degrees in information physics and computing from the University of Tokyo, Tokyo, Japan, in 2008, 2010, and 2013, respectively. From 2010 to 2012, he was a Visiting Scholar with the University of Kassel, Kassel, Germany, and the Philipps University of Marburg, Marburg, Germany. From 2013 to 2015, he was a Project Assistant Professor with the University of Tokyo. From 2015 to 2021, he was an Assistant Professor and Associate Professor with Keio University, Minato, Japan. Since 2021, he has been an Associate Professor with the Research Center for Advanced Science and Technology, the University of Tokyo.

His research has involved terahertz plasmonic lenses, leaky-wave antennas, integrated radar systems, and terahertz-induced ultrasound, with a focus on interfacing humans and machines. Dr. Monnai was the recipient of Excellent Young Researcher in 2021, the MEXT Young Scientists' Prize (2023) and the Best Teaching Award from the University of Tokyo (2024).



Prof. Corrado Carta, IHP, Germany Corrado Carta (Senior Member, IEEE) was born in Cagliari, Italy. He received the master's degree in electrical engineering from the University of Cagliari, Cagliari, Italy, in 2000, and the Ph.D. degree from the Swiss Federal Institute of Technology (ETH) Zürich, Zürich, Switzerland, in 2006.

From July 2000 to February 2006, he was with the Microwave Electronics Group, ETH Zürich, where his main research interests include silicon radio frequency integrated circuit (RFIC) design for microwave wireless communications. From April 2006 to May 2008, he was with the High-Speed Electronics Group, Department of Electrical and Computer Engineering, University of California at Santa Barbara, CA, USA, where his research work focused on the design of silicon integrated circuits for very large millimeter-wave phased arrays. In June 2008, he joined Sonos Inc., Santa Barbara, where he led the RF Engineering and Compliance Team, involved in the development and characterization of the wireless interface of new and existing products. In March 2010, he joined the Chair of Circuit Design and Network Theory, Technische Universität Dresden,

Dresden, Germany, where he led the mm-Wave IC Design Group and the Beyond Moore Electronics Group. Since September 2022, he has been a Professor with the Technische Universität Berlin and the Chair of Broadband and High-Frequency Integrated Circuits, with a joint appointment as the Head of the Circuit-Design Department, Leibniz Institute for High Performance Microelectronics (IHP), Frankfurt (Oder), Germany, conducting research on a wide range of topics, including integrated microwave and millimeter-wave circuits, broadband mixed-signal circuits, and high-efficiency circuits for communication and sensor applications.

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