

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.

David Werbunat, Julian Lerch, Benedikt Schweizer, Benedikt Woischnek, Rossen Michev, Christina Bonfert, Jurgen Hasch, Christian Waldschmidt — For the outstanding/impactful paper entitled, “Multichannel Repeater for Coherent Radar Networks Enabling High-Resolution Radar Imaging,” *IEEE Transactions on Microwave Theory and Techniques*, vol. 72, no. 5, pp. 3247-3259, May 2024

David Werbunat

David Werbunat (Member, IEEE) received the Dr.-Ing. degree in Electrical Engineering from Ulm University, Germany, in 2024, where he is currently a postdoctoral researcher at the Institute of Microwave Engineering. His research interests include digital radar systems, such as OFDM and PMCW radars, as well as radar networks and synchronization techniques. He also investigates signal processing methods for multistatic sensing applications, including remote sensing. He received the VDE ITG Prize in 2021 and the IMS Advanced Practice Paper Award in 2023. His dissertation received the Promotionspreis (Doctoral Thesis Award) from the Ulmer Universitäts-Gesellschaft.



Julian Lerch

Julian Lerch received the B.Sc. degree in electrical engineering with focus on radar technology from the University of Ulm, Ulm, Germany, in 2021. He received M.Sc. degree in general electrical engineering with focus on high frequency and quantum technology at the Friedrich-Alexander-Universität, Erlangen-Nürnberg, Germany.

Currently he is working as a Hardware developer at Rohde & Schwarz.



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Benedikt Schweizer

Benedikt Schweizer (Member, IEEE) received the B.Sc. and M.Sc. degrees in electrical engineering from Ulm University, Ulm, Germany, in 2012 and 2016, respectively.

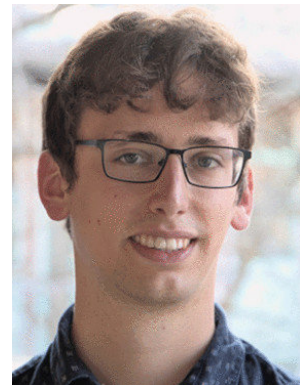
From 2014 to 2015, he interned at the Robert Bosch Research and Technology Centre in Palo Alto, USA. From 2016 to 2021, he was a research assistant at the Institute of Microwave Engineering, Ulm University, Ulm, Germany, where he is currently pursuing the Ph.D. degree. Mr. Schweizer received the EuRAD Young Engineer Prize in 2018, the VDE ITG Prize in 2021, and the IMS Advanced Practice Award in 2023.



Benedikt Woischnek

Benedikt Woischneck received the M.Sc. degree in electrical engineering in 2017 with a focus on communication technology from Ulm University, Ulm, Germany.

From 2017 to 2022 he was working in the Institute of Microwave Engineering of Ulm University on the topic of multistatic coherent radar networks and the accompanying signal processing. Since 2023 he is with Bosch Research as Research Engineer in the Field of Radar Sensors.



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Rossen Michev

Rossen Michev received the B.Sc. and M.Sc. degrees in electrical engineering from the Karlsruhe Institute of Technology (KIT), Germany, in 2017 and 2019, respectively. Since 2019, he is with the Corporate Research Sector of Robert Bosch GmbH, Germany. In 2025, he received the Dr.-Ing. degree in electrical engineering with the Institute of Microwave Engineering, Ulm University, Germany.

His current research is mainly focused on automotive radar systems. Dr. Michev received first prize at the 4th Signal Intelligence Challenge in 2017, organized by the IEEE Student Branch in Karlsruhe, Germany. He was also the recipient of the best paper award at the European Radar Conference in 2024, Paris.



Christina Bonfert

Christina Bonfert (née Knill) received the Dr.-Ing. degree in electrical engineering from Ulm University, Ulm, Germany in 2021.

From 2015 to 2021 she was with the Institute of Microwave Engineering at Ulm University, where her doctoral research focused was on orthogonal-frequency division multiplexing (OFDM) radar, novel digital radar signal processing methods and signal design for digital radars.

Since 2022 she has been a Postdoctoral Researcher at the Institute of Microwave Engineering at Ulm University. Her current research interests are signal processing and compressed sensing for UAV-based synthetic aperture radar (SAR) applications. Dr. Bonfert was the Co-Chair of the European Radar Conference (EuRAD) in 2023.



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Jurgen Hasch

Jürgen Hasch received the Dipl.-Ing. (M.S.E.E.) and Dr.-Ing. (Ph.D.E.E.) degrees from the University of Stuttgart, Germany, in 1996 and 2007, respectively. From 1996 to 2024, he was with Robert Bosch as a Senior Expert in Corporate Research. Since 2026, he is Head of Hardware at Waveye Inc., Palo Alto, USA. His research topics include integrated millimeter-wave and ultra-wideband radar sensors, radar system design, highly integrated transceivers in the 60–244 GHz range, and antennas. He is author or coauthor of over 100 technical papers, and holds more than 50 patents. He is a Senior Member of IEEE and co-chair of the FDC working group on ISAC.



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Christian Waldschmidt

Christian Waldschmidt received the Dipl.-Ing. (M.S.E.E.) and the Dr.-Ing. (Ph.D.E.E.) degrees from the University Karlsruhe (TH), Karlsruhe, Germany, in 2001 and 2004, respectively. From 2001 to 2004 he was a Research Associate at the Institut für Höchstfrequenztechnik and Elektronik (IHE), Universität Karlsruhe (TH), Germany. Since 2004 he has been with Robert Bosch GmbH, in the business units Corporate Research and Chassis Systems. He was heading different research and development teams in microwave engineering, RF-sensing, and automotive radar.

In 2013 Christian Waldschmidt returned to academia. He was appointed as the Director of the Institute of Microwave Engineering at University Ulm, Germany, as full professor. The research topics focus on radar and RF-sensing, mm-wave and submillimeter-wave engineering, antennas and antenna arrays, RF and array signal processing. He authored or coauthored over 400 scientific publications and more than 25 patents.

Dr. Waldschmidt served as the Chair of the IEEE MTT-29 Technical Committee on Microwave Aerospace Systems and of MTT-27 Technical Committee on Wireless Enabled Automotive and Vehicular Applications. He was a two-time TPC Chair and the General Chair of the IEEE MTT International Conference on Microwaves for Intelligent Mobility. In 2022, he was the General Chair of the German Microwave Conference and in 2023 General Chair of the European Radar Conference (EuRAD). He was a three-time Guest Editor of IEEE Microwave Magazine and IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS (MWCL). From 2018 to 2022, he served as an Associate Editor for IEEE MWCL. In 2026 he serves as the TPC chair for the IEEE IMS RFSA. He is a reviewer for multiple IEEE TRANSACTIONS and many IEEE conferences in the field of microwaves. Since 2020, he has been a member of the Heidelberg Academy of Sciences and Humanities and since 2024 member of the National Academy of Science and Engineering in Germany.

