

# IEEE Microwave and Wireless Components Letters Tatsuo Itoh Prize

*Recognizes, on an annual basis, the most significant contribution in a paper published in the IEEE Microwave and Wireless Component. Letters.*

The 2024 Microwave and Wireless Components Letters Tatsuo Itoh Prize is awarded to Mohamed H. Eissa, Gunter Fischer, Thomas Mausolf, Holger Ruecker, Andrea Malignaggi and Gerhard Kahmen for their paper entitled, "220-320-GHz J-Band 4-Way Power Amplifier in Advanced 130-nm BiCMOS Technology," IEEE Microwave and Wireless Components Letters, vol. 32, no. 11, Nov. 2022.



## Mohamed Eissa

Mohamed Eissa received his Ph.D. at the Technical University of Berlin in 2019. He worked for 5 years in the ASIC design industry in Cairo before joining IHP microelectronics in 2014. Where he worked on Millimeter wave and sub-THz communication systems. He became the group leader for the 'Millimeter Wave and THz Sensors' group in the circuit design department in 2020 before joining Indie semiconductor as a MMW principal engineer for radar systems.. His research interests include RF and mm-wave circuit designs for communication and sensing applications.

## Gunter Fischer

No photo or bio available at time of publication.

## Thomas Mausolf

No photo or bio available at time of publication.

## Holger Ruecker

No photo or bio available at time of publication.

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## Andrea Malignaggi

Andrea Malignaggi received the B.Sc. and M.Sc. degrees in microelectronics from the University of Catania, Catania, Italy, in 2005 and 2008, respectively, and the Ph.D. degree from the Technical University of Berlin, Berlin, Germany, in 2016, with a dissertation focused on the design of CMOS 60 GHz circuits. He is since 2015 with IHP Microelectronics, Frankfurt (Oder), Germany, where from 2018 leads the research group “High Data Rate Communication Circuits”. His current research interests include design and optimization of high-frequency circuits and systems.



## Gerhard Kahmen

Gerhard Kahmen received his Diploma (Dipl.-Ing.) in Electrical Engineering (Diplom) at the technical university of Aachen (RWTH) in 1997 and the Dr.-Ing. degree in electrical engineering from Ulm University in 2016. From 1998 to 2000 he worked for Philips Semiconductors in Nimegen / The Netherlands. From 2001 to 2019 he joined the Test & Measurement division of Rohde & Schwarz in Munich where was responsible for the development of high performance mixed signal ASICs. Since 2020 he is in the position of the scientific director at the IHP-Leibniz Institute for High Performance Semiconductors and holds a full professorship for semiconductor technology at Brandenburg Technical University (BTU). His research interests are broadband RF / Mixed-Signal ASICs with high dynamic range, RF ADCs and DACs, Si-phonic and heterogeneous integration of complex RF/mixed signal systems.