

IEEE MTT-S Outstanding Young Engineer Award

Recognizes an outstanding young MTT-S member who has distinguished him/herself through achievement(s), which may be technical (within the MTT-S Field of Interest), may be exemplary service to the MTT-S, or may be a combination of both.



Arnaud Amadjikpe

For Outstanding Early Career achievements in Millimeter Wave Phased Array in Low-Cost Organic Package

Arnaud L. Amadjikpe received the Ph.D. degree in electrical and computer engineering from the Georgia Institute of Technology, Atlanta, GA, USA in 2012. From 2011 to 2015, he was an RF Systems Engineer with Veoneer where he developed 24-77GHz automotive radar sensors. From 2015 to 2021, he was a Research Scientist at Intel Labs, where he developed package integrated millimeter-wave phased array antenna modules for 5G and radar sensing. Since 2022, he has been Principal Engineer with Skyworks Solutions Inc., where he leads the development of millimeter-wave and sub-6GHz multi-chip modules for cellular applications. He holds 8 US patents.

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Timo Jaeschke

*For Outstanding Early Career achievements in Advancing
Wideband Millimeter-Wave Radar Sensors for Industrial
Applications*

Timo Jaeschke (S'07 -M'17-SM'22) received the Dr.-Ing. degree in electrical engineering from Ruhr-University Bochum, Germany in 2017. In 2018 he founded 2π-Labs GmbH, an innovative mmWave-Technology company in Bochum, Germany. His current research topics include frequency synthesis, integrated ultra wideband FMCW radar systems in the D-band, high-resolution radar imaging and high-precision radar measurements for various scientific & industrial applications. He was recipient of the CASSIDIAN Electronics ARGUS Award in 2010 and co-recipient of the EuMIC Prize in 2012. In 2013 he received the IEEE Microwave Theory and Technology Society (IEEE MTT-S) Graduate Fellowship Award and the AMA Association 'Young Company' Award in 2021.

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Dimitra Psychogiou

For Outstanding Early Career Achievements in the Development of 3D and Planar RF Filtering Devices with Multi-Configurable and Multi-Functional Capabilities and Exemplary Service to the Society

Prof. Dimitra Psychogiou received the Dipl.-Eng. degree in Electrical and Computer Engineering from the University of Patras in Greece in 2008, and the Ph.D. degree in Electrical Engineering from the Swiss Federal Institute of Technology (ETH) in Switzerland in 2013. She is currently a Professor of Microwave Engineering at the University College Cork and the Head of the Advanced RF Technology Group at Tyndall National Institute in Cork, Ireland. Her research focuses on reconfigurable microwave and millimeter-wave RF filters, passive RF components for multi-functional RF front-ends, broadband antenna arrays, non-reciprocal RF components, acoustic wave resonator-based RF filters and additive manufacturing techniques for 3D antenna systems. Prof. Psychogiou is the recipient of the 2021 Roberto Sorrentino Prize, the 2021 SFI Research Professorship, the 2020 NSF CAREER Award, the 2020 URSI Young Scientist Award, and the Junior Faculty Outstanding Research Award from UC Boulder. Prof. Psychogiou serves as the Chair of the Microwave

Controls Techniques Committee (MTT-13), the Secretary of USNC-URSI Commission D and as an Associate Editor of the IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS (MWCL) and the International Journal of Microwave and Wireless Technologies (IJMWT).

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Taylor Barton

*For Outstanding Early Career Achievements in High-Efficiency
and Reconfigurable Power Amplifiers*

Prof. Taylor Barton is an Associate Professor in the Department of Electrical, Computer, and Energy Engineering at the University of Colorado Boulder, where she holds the Lockheed Martin Faculty Fellowship for outstanding junior faculty. She received the Sc.D from MIT for her research in energy-efficient power amplifiers, and also holds Sc.B., M.Eng., and E.E. degrees from MIT's EECS department. Prof. Barton's research focuses on novel power amplifier architectures with a particular focus on load modulation for efficiency enhancement, and extends to RF applications including communications, telemetry and phased-array systems.

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Changzhan Gu

*For Outstanding Early Career Achievements in the Short-Range
Microwave Radar Sensing for Biomedical Applications and
Innovative Human-Computer Interaction*

Dr. Changzhan Gu is currently an Associate Professor with Shanghai Jiao Tong University, Shanghai, China. He is a member of the IEEE MTT-S TC28, the secretary of MTT-S Shanghai Chapter, the TPC Chair of the 2022 IEEE International Microwave Biomedical Conference (IMBioC). He served on multiple technical sub-committees for the IEEE International Microwave Symposium (IMS) 2018~2022. He received ten times' paper awards from IEEE conferences as an author/coauthor. He received the IEEE MTT-S Outstanding Young Engineer in 2023, IEEE Sensors Council Early Career Technical Achievement Award in 2019, the Okawa Foundation Research Grant in 2019, and the IEEE MTT-S Graduate Fellowship in Medical Applications in 2013. He was an Associate Editor for the IEEE Transactions on Biomedical Circuits and Systems (TBioCAS) 2019-2021, an Area Editor for International Journal of Electronics and Communications 2014-2016, and a Guest Editor for the IEEE Transactions on Microwave Theory and Techniques (TMTT) Special Issue on RWW2022. He is an Associate Editor of the IEEE Journal of

Electromagnetics, RF and Microwaves in Medicine and Biology (J-ERM), and the IET Microwave, Antenna and Propagation (MAP).