

# Past EuMIC Prize Winners

**EuMA**

European  
Microwave  
Association

**2023 Berlin**, P. Neininger, F. Thome, L. John, A. Leuther, S. Chartier, R. Quay  
Ultra-Wideband mmW Digital Step Attenuator

**2022 Milan**, L. Cotimos Nunes, F.L. Gomes, F. M. Barradas, J.C.Pedro  
A Simple Thermally Activated Trapping Model for AlGaN/GaN HEMTs

**2021 London**, C. Schmidt, T. Tannert, J.H. Choi, C. Casper, D. Pech, S. Wunsch, G. Ropers, J. Schostak, V. Jungnickel, R. Freund, M. Grozing, M. Berroth  
120GBd SiGe-Based 2:1 Analog Multiplexer Module for Ultra-Broadband Transmission Systems

**2020 Utrecht**, E. Rao Bammidi, I. Kallfass  
An Analog Costas Loop MMIC in 130 nm SiGe BiCMOS Technology for receiver Synchronization of QPSK and BPSK Modulated Signals

**2019 Paris**, A. Dasgupta, A. Battikh, G. Neveux, D. Barataud, C. Chambon:  
Non-Linear Modeling and Harmonic Balance Simulations of Track and Hold Amplifier

**2018 Madrid**, B. Philippe and P. Reynaert  
A 112 $\mu$ W F-Band Standing Wave Detector in 40nm CMOS for Sensing and Impedance Detection

**2017 Nuremberg**, H. Matsumura, Y Yagishita, I. Soga, K. Oishi, Y. Kawano, Y. Nakasha, T. Iwai  
80-GHz Impulse Radio Receiver with Quadrature PPM Demodulation in 55-nm CMOS Technology

**2016 London**, Z.E. Aboush, R. Herberholz, N. Dubash, A. Croxall, A. Aktas, J. Koeller, L. Briones  
Integrated Circuit Field Canceller System Suitable for Highly Integrated Connectivity Transceivers

**2015 Paris**, R. Ben Yishay, E Shumaker, D. Elad,  
Key Components of a D-Band Dicke-Radiometer in 90nm SiGe BiCMOS Technology

**2014 Rome**, A. Leuther, A. Tessmann, P. Doria, M. Ohlrogge, M. Seelmann-Eggebert, H. Massler, M. Schlechtweg, O. Ambacher  
20nm Metamorphic HEMT Technology for Terahertz Monolithic Integrated Circuits

**2013 Nuremberg**, T. Jensen, T. Al-Sawaf, M. Lisker, S. Glisic, M. Elkhouly, T. Kraemer, I. Ostermay, C. Meliani, B. Tillack, V. Krozer, W. Heinrich  
A 164 GHz Hetero-Integrated Source in InP-on-BiCMOS Technology

**2012 Amsterdam**, C. Bredendiek, N. Pohl, T. Jaeschke, S. Thomas, K. Aufinger, A.Bilgic  
A 24GHz Wideband Single-Channel SiGe Bipolar Transceiver Chip for Monostatic FMCW Radar Systems

**2011 Manchester**, C. Fritzsch, F. Giacomozi, O. H. Karabey, F. Goelden, A. Moessinger, S. Bildik, S. Colpo, R. Jakoby  
Continuously Tunable W-Band Phase Shifter Based on Liquid Crystals and MEMS Technology

**2010 Paris**, A. Santarelli, V. Di Giacomo, R. Cignani, S. D'Angelo, D. Niessen, F. Filicori  
Nonlinear Thermal Resistance Characterization for Compact Electrothermal GaN HEMT Modelling

**2009 Rome**, N. Somjit, G. Stemme, J. Oberhammer  
Phase error and Nonlinearity Investigation of Millimeter-Wave MEMS 7-Stage Dielectric-Block  
Phase Shifters

**2008 Amsterdam**, E. Öjefors, U. Pfeiffer  
A 94-GHz Monolithic Front-End for Imaging Arrays in SiGe:C Technology

**2007 Munich**, A.Z. Markos, P. Colantonia, F. Giannini, R. Giofrè, M. Imbimbo, G. Kompa:  
A 6W Uneven Doherty Power Amplifier in GaN Technology

**2006 Manchester**, M. van Heijningen, F.E. van Vliet, R. Quay, et al.  
Design and Analysis of a 34 dBm Ka-Band GaN High power Amplifier