

Past EuMC YEP Prize

Winners

2016 London, W. Fuscaldo: Efficient 2-D Leaky-Wave Antenna Configurations Based on Graphene Metasurfaces

W. Fuscaldo, P. Burghignoli, P. Baccarelli and A. Galli

2016 London, C. Vasanelli: Design and Experimental Characterization of a Surface with Low Radar Cross-Section

C. Vasanelli, F. Boegelsack and C. Waldschmidt

2015 Paris, C. Molero: Wideband Equivalent Circuit for Non-aligned 1-D Periodic Metal Strips Coupled Gratings

C. Molero, R. Rodriguez-Berral, F. Mesa, F. Medina

2015 Paris, S. Pavlidis: A 5.4WW-Band Gallium Nitride (GaN) Power Amplifier in an Encapsulated Organic Package

S. Pavlidis, A. Cagri Ulusoy, J. Papapolymerou

2014 Rome, D. Markert: Phase-Modulated DSM-PWM Hybrids with Pulse Length Restriction for Switch-Mode Power Amplifiers

D. Markert, C. Haslach, H. Heimpel, A. Pascht, and G. Fischer

2014 Rome, N. Meyne: Quasi-Lumped Coplanar Transmission-Line Sensors for Broadband Liquid Characterization

N. Meyne, W. Müller-Wichards, H. K. Trieu, and A. Jacob

2013 Nuremberg, F. F. Tafuri: Efficiency Enhancement of an Envelope Tracking Power Amplifier Combining Supply Shaping and Dynamic Biasing

F.F. Tafuri, D. Sira, O.K. Jensen, T. Larsen

2013 Nuremberg, J.-C. Kao: A 25-to-45-GHz 45 degree Power Divider

J.-C. Kao, Y.-H. Hsiao, K.-S. Yeh, C.-C. Chiong, Y.-Hsuan Lin, Kun-You Lin, Huei Wang

2012 Amsterdam, M. Durán-Sindreu: Novel Fully-Planar Extended-Composite Right/Left Handed Transmission Line Based on Substrate Integrated Waveguide for Multi-Band Applications

M. Duran-Sindreu, J. Bonache, F. Martián, T. Itoh

2012 Amsterdam, O. Tade: Negative Impedance Converters for Broadband Antenna Matching

O.O. Tade, P. Gardner, P.S. Hall

2011 Manchester, S. Bildik: Reconfigurable Liquid Crystal Reflectarray with Extended Tunable Phase Range

S. Bildik, S. Dieter, C. Fritsch, M. Frei, C. Fischer, W. Menzel, R. Jakoby

2011 Manchester, J. Antes: MMIC Based Wireless Data Transmission of a 12.5Gbit/s Signal Using a 220GHz Carrier

J. Antes, D. Lopez-Diaz, A. Tessmann, A. Leuther, H. Massler, T. Zwick, O. Ambacher, I. Kallfass

2010 Paris, A. Stark: In-situ Probes for Antenna Array Calibration
A. Stark, U. Johannsen, A. F. Jacob

2010 Paris, C. Quindroit: Experimental Setup for the Extraction of Power Amplifier Dynamic Volterra Model and Design of Digital Baseband Predistorter
C. Quindroit, E. Ngoya, G. Neveux, J.-M. Nebus

2009 Rome, A. Shahvarpour: Realization of an Effective Free-Space Perfect Electromagnetic Conductor (PEMC) Boundary by a Grounded Ferrite Slab Using Faraday Rotation
A. Shahvarpour, T. Kodera, A. Parsa, C. Caloz

2009 Rome, M. Oldoni: A Novel Approach to Lossy Filter Synthesis
M. Oldoni, G. Macchiarella, G. Gentili

2008 Amsterdam, A. Kilian: Investigation of the Hot Embossing Technology for Low-Cost Antennas Printed on Polymer Substrates
A. Kilian, J. Weinzierl, L.-P. Schmidt

2008 Amsterdam, S. Bastioli: A Novel Class of Compact Dual-Mode Rectangular Waveguide Filters Using Square Ridge Resonators
S. Bastioli, L. Marcaccioli, R. Sorrentino

2007 Munich, L. Huang: Tunable Antenna Design Procedure and Harmonics Suppression Methods of the Tunable DVB-H Antenna for Mobile Applications
L. Huang, P. Russer

2007 Munich, E. Sbarra: A Novel Rotman Lens in SIW Technology
E. Sbarra, L. Marcaccioli, R.V. Gatti, R. Sorrentino

2006 Manchester, C.-J. Lee: Compact Dual-Band Antenna Using an Anisotropic Metamaterial
C.-J. Lee, K.M.K.H. Leong, T. Itoh

2006 Manchester, C. Siegel: Simplified RF-MEMS Switches Using Implanted Conductors and Thermal Oxide
C. Siegel, V. Ziegler, B. Schönlinner et al.

2005 Paris, S. Mueller: Passive Tunable Liquid Crystal Finline Phase Shifter for Millimeterwaves
S. Mueller, C. Felber, P. Scheele et al.

2005 Paris, A. Ocera: A Novel Technique for Complex Permittivity Measurement Based on a Planar Four Port Device
A. Ocera, M. Dionigi, E. Fratticcioli et al.

2004 Amsterdam, B. Motlagh: High-Q fringing-field-enhanced capacitors (FFE) for deep submicron silicon-MMICs
B. Motlagh, S. Gevorgian, H. Zirath

2004 Amsterdam, A. Saib: Design of a unbiased microwave circulator using a magnetic nanowired substrate

A. Saib, M. Darques, L. Piraux et al

2003 Munich, A. Kryshtopin: Cost-minimized 24 GHz pulse oscillator for short-range automotive radar application

A. Kryshtopin, G. Sevskiy, K. Markov et al.

2003 Munich, B. Schönlinner: Compact multibeam dual-frequency (24 and 77 GHz) imaging antenna for automotive radars

B. Schönlinner, J.P. Ebling, M. Pichler, G.M. Rebeiz