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*5th European Conference on
Antennas and Propagation
11-15 April 2011, Rome*

EuCAP 2011 AWARDS List of Finalists

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BEST PROPAGATION PAPER

Prize:

Estimation of 2X2 MIMO Capacity with Dual- Polarized Antennas Under Received Power Imbalance Through Propagation Measurements
Shinobu Nanba; Yuki Hirota; Yoji Kishi (KDDI R&D Laboratories, Japan)

Honorable mention:

Empirical Time-Spatial Propagation Formula for Outdoor LOS Environments
Teruya Fujii (Softbank Mobile, Japan); Yoshichika Ohta; Hideki Omote (Softbank Telecom Corp., Japan)



BEST ANTENNA MEASUREMENT PAPER

Prize:

**Microwave Non-Destructive Evaluation of Corrosion
in Reinforced Concrete Structures**

**Gemma Roqueta; Luis Jofre (Universitat Politècnica de Catalunya,
Spain); Maria Feng (University of California, Irvine, USA)**

Honorable
mention:

**An Efficient Approach to the Near-Field
Sampling of Electromagnetic Fields**

**Amedeo Capozzoli; Claudio Curcio; Angelo Liseno
(Università di Napoli Federico II, Italy)**

Honorable
mention:

**UWB Wireless Interconnect Scheme for Communicating
Devices Within Small Conducting Enclosure**

**Javier Gelabert; David Edwards; Christopher Stevens
(University of Oxford, United Kingdom)**



BEST ANTENNA THEORY PAPER

Prize: **Planar Antennas Based on Surface-to-Leaky Wave transformation**
G. Minatti, M. Casaletti, F. Caminita (University of Siena, Italy),
P. De Vita (IDS, Italy), S. Maci (University of Siena, Italy)

Honorable mention: **On the Optimal Synthesis of Phase-Only Reconfigurable Antenna Arrays**
Tommaso Isernia, A.F. Morabito (University of Reggio Calabria, Italy);
Andrea Massa, P. Rocca (University of Trento, Italy)

Honorable mention: **Investigation of Stability of Negative Impedances for Use in Active Metamaterials and Antennas**
Eduardo Ugarte-Muñoz, Daniel Segovia-Vargas (University Carlos III in Madrid, Spain);
Silvio Hrabar (University of Zagreb, Croatia)



BEST ANTENNA APPLICATION PAPER

Prize:

**A Compact Dual-Polarized Wideband Patch Antenna Array
for the Unlicensed 60 GHz Band**

Frank Wollenschläger, Ralf Stephan, Lei Xia, Jens Müller, Robert Müller, Alexis Paolo Garcia Ariza, Reiner S. Thomä, Matthias A. Hein(TU Ilmenau, Germany) et al.

Honorable
mention:

Flexible Dipole and Monopole Antennas

**Qing Liu; Kenneth Lee Ford; Richard Langley
(University of Sheffield, United Kingdom), Adam Robinson, and
Stephanie Lacour (University of Cambridge, United Kingdom)**

Honorable
mention:

**Engineered Birefringence Positive-Negative Effective Indices:
Interferometric Techniques and Wedge Experiment**

Miguel Navarro-Cia; Miguel Beruete; Francisco Falcone; Mario Sorolla (Universidad Publica de Navarra, Spain)



BEST STUDENT PAPER

Prize:

**Single Layer Anisotropic Impedance Surface
for Linear to Circular Polarization Conversion in Reflect Mode**
Efstratios Doumanis, George Goussetis, (Queen's University
Belfast, United Kingdom); Jose-Luis Gómez-Tornero (University
of Cartagena, Spain), et al.

Honorable
mention:

**Modeling and Efficiency Investigation of
Arrays of Reflector Antennas for Deep Space Communication**
Marta Cametti; Marco Pasian; Maurizio Bozzi;
Luca Perregrini (University of Pavia, Italy)

Honorable
mention:

**Matching Evanescent Open-Ended Waveguide
Antennas Using the Imaginary Smith Chart**
Peter Ludlow; Vincent Fusco (Queen's University
Belfast, United Kingdom)