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EuCAP 2018 Best Paper Awards and ESoA-EuCAP Best Student Paper Awards

The EuCAP 2018 Best Paper Awards have been created to contribute to the recognition of scientific quality of research and engineering in four thematic domains:

- Electromagnetics and Antenna Theory
- Antenna Design and Applications
- Propagation
- Measurement

The Best Student Paper Awards are not related to a specific thematic domain.

Awards committee

The Awards have been chaired by Prof. Stefano Maci and Zhipeng Wu and the juries, constituted by three distinguished researchers in the corresponding fields, are the following:

- **Electromagnetics and Antenna Theory**

A. Neto

R W Ziolkowski

J. Mosig

- **Antenna Design and Application**

C. Balanis

M. Ando

Y Vardaxoglou

- **Propagation**

W. Wiesbeck

C. Oestgest

Thomas Kuerner

- **Measurement**

Le Coq (UR1, Fr)

L. Foged

M. Havrilla

- Best student papers

Lee Ford

Eva Rajo

A Capozzoli

Hybrid Thin Film Multilayer Antenna for Automotive Radar at 77 GHz

Osama Khan, Johannes Meyer, Klaus Baur and Saeed Arafat (Robert Bosch GmbH, Germany); Christian Waldschmidt (University of Ulm, Germany)

Wideband Single Pixel Radiometer in 28 nm CMOS Technology for Low-Cost Imaging Applications

Sven van Berkel, Satoshi Malotaux, Daniele Cavallo, Marco Spirito, Andrea Neto and Nuria Llombart (Delft University of Technology, The Netherlands)

A High-Efficiency Broadband WR3 Bond Wire On-Chip Antenna

Daniel Müller, Jochen Schäfer, Andreas Lipp and Thomas Zwick (Karlsruhe Institute of Technology, Germany); Arnulf Leuther (Fraunhofer Institute for Applied Solid State Physics, Germany); Ingmar Kallfass (University of Stuttgart, Germany)

Millimetre-Wave FMCW MIMO Radar System Development Using Broadband SIW Antennas

Cristian Alistarh, Pascual Hilario Re, Thomas Ströber, Samuel Rotenberg, Symon K. Podilchak, Carolina Mateo-Segura, Yan Pailhas and George Goussetis, Yves Peilliot and John Thompson (University of Edinburgh, United Kingdom); Jaesup Lee (Samsung Electronics Co., Ltd, Korea)

28 GHz 5G Dual-Polarized End-fire Antenna with Electrically-Small Profile

Junho Park and Wonbin Hong (Pohang University of Science & Technology, Korea); Dooseok Choi (Samsung Electronics, South Korea)

Best paper award in Electromagnetics and Antenna Theory sponsored by

Design of High-Performance Antenna Systems with Quasi-Periodic Surfaces

Min Zhou, Erik Jørgensen, Niels Vesterdal, Oscar Borries, Stig Sørensen and Peter Meincke (TICRA, Denmark); Massimiliano Simeoni and Giovanni Toso (European Space Agency, The Netherlands)

Design Criteria of X-wave Launchers for Millimeter-Wave Applications

Walter Fuscaldo, Davide Comite and Alessandro Galli (Sapienza University of Rome, Italy); Santi Conetto Pavone and Matteo Albani (University of Siena, Italy); Guido Valerio (Sorbonne Universités UPMC, France)

The Stochastic Electromagnetic Theory of Antenna-Antenna Cross-Correlation in MIMO Systems

Said Mikki (University of New Haven, USA); Jocelyn Aulin (Huawei Technologies Sweden AB, Sweden)

Influence of System Aspects in Propagation Based Evaluation of Beam-forming at mm-Waves

Diego Dupleich, Eric Schäfer, Giovanni Del Galdo and Reiner S. Thomä (Ilmenau University of Technology, Germany)

Versatile and Accurate Electromagnetic Analysis of Piecewise Homogeneous Composite Objects

Ivan Sekulic, Eduard Ubeda and Juan M Rius (Universitat Politècnica de Catalunya, Spain)

Best paper award in Measurement sponsored by

Accurate Determination of Radiation Patterns from Near-Field Measurements in Highly Reflective Environments

Josef Knapp and Thomas F Eibert (Technische Universität München, Germany)

Evaluation of an Unmanned Aerial System for Antenna Diagnostics and Characterization

María García Fernández, Yuri Álvarez and Fernando Las-Heras (Universidad de Oviedo, Spain)

3.5-THz Quantum-Cascade Laser Emission from Dual Diagonal Feedhorns

Brian Ellison, O Auriacombe, T Rawlings, N Brewster, M Oldfield and L Li (STFC Rutherford Appleton Laboratory, United Kingdom); Elena Saenz (European Space Agency, The Netherlands); Alex Valavanis, Y Han, E Linfield, Alexander Davies (University of Leeds, United Kingdom)

Influence of On-Wafer Probes in Mm-Wave Antenna Measurements

Qiang Liu, Ad Reniers, Ulf Johannsen, Martijn van Beurden and A B Smolders (Eindhoven University of Technology, The Netherlands)

Optimized near Field with an Optimized Controller

Amedeo Capozzoli, Laura Celentano, Claudio Curcio, Angelo Liseno and Salvatore Savarese (Università di Napoli Federico II, Italy)

Best paper award in Propagation sponsored by

IEEE 802.11P Performance for Vehicle-to-Anything Connectivity in Urban Interference Channels

Thomas Blazek and Christoph F Mecklenbräuer (TU Wien, Austria); Golsa Ghiaasi (Technical University of Vienna, Austria); Christian Backfrieder and Gerald Ostermayer (FH Upper, Austria)

Characterization and Enhancement of the Environment for 5G Millimetre-wave Broadband Mobile Communications

Aldo Petosa, Nicolas Gagnon, Cesar A Amaya, Ming Li, Shailesh Raut, Jonathan Ethier and Reza Chaharmir (Communications Research Centre Canada, Canada)

Cross-Channel Sounding for HF Geolocation: Concepts and Experimental Results

Ankit Jain, Pascal Pagani, Rolland Fleury, Michel Ney and Patrice Pajusco (IMT Atlantique, France)

Modeling of Intra-Cluster Multipaths for 60 GHz Fading Channels

Naveed Iqbal, Jian Luo (Huawei Technologies, Germany); Diego Dupleich, Christian Schneider, Robert Müller, Stephan Häfner, Giovanni Del Galdo and Reiner S Thomä (Ilmenau University of Technology, Germany)

Measurements and Model for the Satellite-to-Aircraft Channel in L-Band

Thomas Jost and Wei Wang (German Aerospace Center (DLR), Germany); Martin Schwinzerl and Michael Schonhuber (Joanneum Research, Austria); Fernando Pérez-Fontán (University of Vigo, Spain); Nicolas Floury (ESA, The Netherlands)

Best Student Paper sponsored by the ESoA (European School of Antennas)

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12 February 2018 Early bird registration deadline	
12 February 2018 Author registration deadline	
24 January 2018 Revised paper to be submitted	
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FERNANDO LUIS LAS HERAS ANDRES

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Asunto: APS/URSI 2018: Student Paper Competition results

Dear Maria Garcia-Fernandez,

Regarding your APS/URSI 2018 submission #2514, titled 'GPR system onboard a UAV for non-invasive detection of buried objects'

I am pleased to inform you that your paper, submitted to the 2018 IEEE AP-S Student Paper Competition, has been selected as an ***HONORABLE MENTION***. This year we had 171 papers submitted to the competition. Three independent blind reviewers from around the world were assigned to each paper and the total scores were then used to rank the papers. The reviews, the recording of the scores, and the selection of the finalists and honorable mentions were organized and monitored by the Student Paper Competition Committee as charged by the AP-S Society Education Committee.

As an ***HONORABLE MENTION***, you will receive a \$1500 stipend to be used to offset some of your expenses to attend the Symposium. In order to receive this travel award, you must attend the Symposium and present the paper yourself in the assigned regular or special session to which your paper was originally accepted. The date and time of your presentation will be listed in the Advance Program. Please check the conference website (<https://2018apsursi.org/>) for details and updated information. Note that although you will not be presenting your work in the Student Paper Competition Interactive Forum (this is reserved for finalists), your name and paper will be listed in the Technical Program Booklet as an honorable mention in the Competition.

In addition, you must also complete a United States Internal Revenue Service Form W-8 (for non-US citizens) or W-9 (for US citizens). Both forms are referenced at the end of this message. Please fill out the applicable form (please type directly into the form and save), print and sign (digital and printed signatures are NOT acceptable), scan and return to spc@2018apsursi.org by ***June 1, 2018***. Upon receiving your form, your check will be processed and will be presented to you at the conference. Please note that failure to submit your tax form by the specified date could result in a voiding of your award.

On behalf of the IEEE Antennas and Propagation Society, we congratulate you on this achievement and thank you for the time and effort spent in preparing the paper. We look forward to meeting you in Boston!

Sincerely,

The 2018 AP-S Student Paper Competition Committee (M. Abouzahra, L. Basilio, J. Bernhard, J. Kralovec, M. Newkirk, S. Yong)

W8 Form, for Non-US Persons
https://2018apsursi.org/W8_2018.pdf

W9 Form, for US Persons
https://2018apsursi.org/W9_2018.pdf