

2016 European Radar Conference (EuRAD 2016)

**London, United Kingdom
5-7 October 2016**



**IEEE Catalog Number: CFP16590-POD
ISBN: 978-1-5090-1513-9**

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IEEE Catalog Number:	CFP16590-POD
ISBN (Print-On-Demand):	978-1-5090-1513-9
ISBN (Online):	978-2-87487-045-3

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EuRAD02 : Radar Performance in Complex Environments

Chair: Mateo Burgos Garcia, Polytechnic University of Madrid

Co-Chair: Laith Danoon, Manchester University

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- 9 **EM Modelling of Radar Signatures of Targets Behind Wind Farms — A Time-Gating Ray Tracing Approach**
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Chair: Chris Baker, Aveillant

Co-Chair: Jacco de Wit, TNO

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Chair: Alexander Yarovoy, Delft University of Technology

Co-Chair: James Brown, DSTL

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Co-Chair: Malcolm Stevens, Thales UK

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¹Open University, UK; ²AWI, Germany

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Chair: Willem Hol, Thales Netherlands

Co-Chair: Stephen Harman, QinetiQ

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¹TOBB University of Economics and Technology, Turkey; ²University of Strathclyde, UK
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Co-Chair: Mateo Burgos Garcia, Polytechnic University of Madrid

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Chair: Anthony Brown, Manchester University

Co-Chair: Manuel Sierra Castañer, Universidad Politécnica de Madrid

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¹ASI, Italy; ²MoD, Italy; ³Thales Alenia Space, Italy
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¹Airbus Group Innovations, Germany; ²Airbus Defence & Space, Germany; ³Escuela Politécnica de Cuenca, Spain; ⁴Universidad Politécnica de Valencia, Spain
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¹Universidad Politécnica de Madrid, Spain; ²Universidad Técnica Particular de Loja, Ecuador; ³Universidad Carlos III de Madrid, Spain

EuRAD10: Radar Applications

Chair: Pierfrancesco Lombardo, University of Rome

Co-Chair: Mayazzurra Ruggiano, Thales Nederland

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¹University College London, UK; ²Defence Academy of the United Kingdom, UK
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Chair: Laith Danoon, Manchester University

Co-Chair: Mayazzurra Ruggiano, Thales Netherlands

Venue: Room 4, Time 09:00-10:40, Friday 7th October 2016

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Chair: Felix Yanovsky, National Aviation University of Ukraine

Co-Chair: Mike Cherniakov, University of Birmingham

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¹Hochschule Ulm, Germany; ²Universität Ulm, Germany; ³FAU Erlangen-Nürnberg, Germany
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¹CNR-ISAC, Italy; ²CNIT, Italy; ³Università di Firenze, Italy
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Chair: Andy Stove, Stove Specialities

Co-Chair: Krzysztof Kulpa, Warsaw University of Technology

Venue: Room 4, Time 11:20–13:00, Friday 7th October 2016

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- 217 **A Fast ELINT Receiver Design**
Altan Alparslan¹, Korkut Yegin²
¹TÜBİTAK BİLGEM, Turkey; ²Ege University, Turkey
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¹XLIM, France; ²Thales Communications & Security, France
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Chair: Christian Waldschmidt, University of Ulm

Co-Chair: Chris Duff, University of Manchester

Venue: Room 14, Time 11:20-13:00, Friday 7th October 2016

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¹Universität Ulm, Germany; ²Daimler, Germany
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¹Delphi Deutschland, Germany; ²Delphi Automotive, USA
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¹Technische Universität München, Germany; ²perisens, Germany
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¹Robert Bosch, Germany; ²Universität Stuttgart, Germany

EuRAD15: EuRAD Closing Session

Chair: David Daniels, EuRAD 2016 Chair

Co-Chair: Albert Huizing, EuRAD 2016 Co-Chair

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Chair: Laith Danoon, University of Manchester

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¹Chang'an University, China; ²Xidian University, China
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¹Naval Marine Academy, China; ²Tsinghua University, China; ³CAST, China
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¹University of Bath, UK; ²Navtech Radar, UK
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¹Scuola Superiore Sant'Anna, Italy; ²CNIT, Italy
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¹University College London, UK; ²Politecnico di Milano, Italy
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¹Technische Universität München, Germany; ²ALTEN, Germany; ³Infineon Technologies, Germany

EuRAD/EuMC01 : Novel Radar Front-End Concepts

Chair: Alexander Kölpin, FAU Erlangen

Co-Chair: Alessio Balleri, Cranfield University

Venue: Room 7, Time 09:00–10:40, Thursday 6th October 2016

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¹Universität Ulm, Germany; ²Endress+Hauser, Germany
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¹FFI, Norway; ²University of Oslo, Norway
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¹Silicon R&D, Korea; ²Kwangwoon University, Korea; ³SeoulTech, Korea; ⁴LIGNEX1, Korea
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Stefan Trummer¹, Gerhard F. Hamberger², Uwe Siart², Thomas F. Eibert²
¹ASTYX Communication & Sensors, Germany; ²Technische Universität München, Germany

EuRAD/EuMC02 : Terahertz Radar, Sensing and Imaging

Chair: Marina Gashinova, University of Birmingham

Co-Chair: Peter Gardner, University of Birmingham

Venue: Room 8, Time 09:00–10:40, Thursday 6th October 2016

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¹China Academy of Space Technology, China; ²Beijing Institute of Technology, China
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Paweł Dzwonkowski, Piotr Samczyński, Krzysztof Kulpa, Warsaw University of Technology, Poland

EuRAD/EuMC03: Antennas and Front Ends I

Chair: Peter Knott, Fraunhofer FHR

Co-Chair: David Daniels, Short-Range Radar Systems

Venue: Room 7, Time 11:20–13:00, Thursday 6th October 2016

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¹Fraunhofer IAF, Germany; ²KIT, Germany
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¹CNIT, Italy; ²Elettronica, Italy
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¹Hitachi, Japan; ²Hitachi Automotive Systems, Japan
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Budhaditya Pyne¹, Prilando Akbar², Hirobumi Saito¹, Miao Zhang³, Jiro Hirokawa³, Makoto Ando³
¹University of Tokyo, Japan; ²JAXA, Japan; ³Tokyo Institute of Technology, Japan

EuRAD/EuMC04: Millimetre-Wave and THz Radar Applications

Chair: Martin Vossiek, FAU

Co-Chair: Volker Ziegler, Airbus

Venue: Room 1, Time 14:20–16:00, Thursday 6th October 2016

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¹Jet Propulsion Laboratory, USA; ²Technische Universiteit Delft, The Netherlands
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¹University of St Andrews, UK; ²Wasa Millimetre Wave, Sweden
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Michael Caris, Stephan Stanko, Winfried Johannes, Stefan Sieger, Nils Pohl, Fraunhofer FHR, Germany

EuRAD/EuMC05 : Millimetre-Wave Antenna Arrays

Chair: Werner Wiesbeck, Karlsruhe Institute of Technology

Co-Chair: Parbhu Patel, HMGCC

Venue: Room 17, Time 14:20–16:00, Thursday 6th October 2016

- 409 **Double Circularly Polarized On-Chip Antenna for a 120–130GHz Amplitude Monopulse Radar**
Benjamin Goettel¹, Jochen Schaefer¹, Heiko Gulan¹, Wolfgang Winkler², Thomas Zwick¹
¹KIT, Germany; ²Silicon Radar, Germany
- 413 **Lens Array Antenna for 71–76/81–86GHz Point-to-Point Applications**
Andrey Mozharovskiy, Alexey Artemenko, Oleg Soykin, Roman Maslennikov, Radio Gigabit, Russia
- 417 **76–81GHz Fully Planar and Array Compatible LTCC Antenna Element for Automotive Radar Sensors**
Frank Sickinger, Ernst Weissbrodt, Valeo Schalter und Sensoren, Germany
- 421 **The Development of a Wideband ‘Rocket’ Phased Array Feed**
Alex Dunning, Mark A. Bowen, Douglas B. Hayman, Jeganathan Kanapathippillai, Henry Kanoniuk, Robert D. Shaw, Sean Severs, CSIRO, Australia
- 425 **Millimeter-Wave TX Phased Array with Phase Adjusting Function Between Transmitters for Hybrid Beamforming with Interleaved Subarrays**
Toshihiro Shimura, Takenori Ohshima, Hiroshi Ashida, Shohei Ishikawa, Shunsuke Fujio, Atsushi Honda, Zhengyi Li, Kenichi Nishikawa, Chikara Kojima, Kazuyuki Ozaki, Masahiko Shimizu, Yoji Ohashi, Fujitsu Laboratories, Japan