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EUROPEAN MICROWAVE WEEK
EXCEL, LONDON
4th-9th OCTOBER 2026
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EuMW 2026
RADIATING CHANGE

EuRAD
THE EUROPEAN
RADAR CONFERENCE

EUROPEAN RADAR CONFERENCE 2026
LONDON 7TH – 9TH OCTOBER 2026

The 23rd European Radar Conference (EuRAD 2026) will be held from the 7th to 9th October 2026 in London, UK, in the framework of the European Microwave Week 2026. This Radar Conference is the most important European event for the state-of-the-art and the future directions in the field of radar research, technologies, system design, and applications. The EuRAD conference will bring together a global network of researchers, practitioners, and institutes working on radar. The paper submission includes topics clustered around four main categories.

Radar Phenomenology and Modelling comprises a wide range of radar systems and approaches, such as ultra-wide band, noise, quantum, polarimetric, imaging, synthetic aperture, HF and over the horizon, multistatic and networked radar. It also includes aspects of radar electromagnetic phenomenology modelling, such as developing digital twins of radar systems, as well as the characterisation of propagation and scattering through different mediums.

Radar Technologies focusses on the various architectures and modules constituting a wide range of radar systems. Here, innovative research contributions are expected at multiple levels, from RF components, circuits and modules to entire multifunctional and reconfigurable architectures, from phased array technologies designed for long-range applications, to mm-wave and THz systems targeting shorter ranges with high resolution. Part of these topics include research contributions and technologies in the area of waveform synthesis; transmit, receive, passive and multistatic architectures; synchronization and joint sensing and communication, as well as results in the area of sustainable and energy-efficient technologies for size weight and power reduction.

Radar Signal Processing, Algorithms and AI aims to attract research contributions in the context of radar signal processing. This encompasses a wide range of techniques, including but not limited to antenna array, MIMO, detection, compressive sensing, tracking and data fusion, radar sensor management, imaging and super-resolution techniques, radar-based automatic target classification, cognitive techniques and spectrum sharing, as well as quantum computing algorithms applied to radar.

Finally, Radar Applications aims to include the vast number of domains where radar systems and techniques have been recently applied, from defence and security applications such as electronic surveillance and warfare and UAV detection, classification and tracking, to civilian applications of radar in the medical, biological, and industrial fields, such as human activity monitoring and gesture recognition. Moreover, this category aims to attract novel contributions in the field of radar for automotive, industrial and security applications, as well as geoscience, environmental and weather monitoring, and space domain sensing and situational awareness.

EuRAD 2026 CONFERENCE TOPICS

Radar Phenomenology and Modelling

- R01 Ultra-Wideband, Noise, Quantum and Polarimetric Radar
- R02 Radar Imaging, SAR or Video SAR
- R03 Radar Channel Characterization, Scattering and Penetration
- R04 HF and Over-the-Horizon Radar Systems R05 Modelling, Simulation and Digital Twins

Radar Technologies

- R06 Radar RF Components, Circuits and Modules
- R07 Millimetre-Wave, THz and Systems-On-Chip Technologies for Radar
- R08 Joint Sensing and Communication
- R09 Multistatic, Multi-modal, Distributed and Co-Operative Systems, Synchronization
- R10 Passive Radar Architectures
- R11 Multifunctional and Reconfigurable Systems
- R12 Waveform Synthesis, Transmit or Receive Architectures
- R13 Sustainable Techniques, Energy Efficiency and low-SWAP Systems
- R14 Quantum-Enabled and Photonics Radar
- R15 Other Emerging Technologies for Radar

Radar Signal Processing and Artificial Intelligence

- R16 Data Processing and ML/AI Approaches
- R17 Antenna Array and MIMO Processing for Radar
- R18 Detection, Localization and Tracking
- R19 Data Fusion and Information Extraction
- R20 Imaging, High-Resolution Techniques and Target Classification
- R21 Target Characterization using AI
- R22 Cognitive Techniques, Sensor Tasking and Scheduling

Radar Applications

- R23 Defence, Electronic Surveillance and Electronic Warfare
- R24 Radar for Medical and Biological Applications
- R25 Activity, Behaviour and Infrastructure Monitoring
- R26 Automotive Radar and Transportation
- R27 Geoscience, Weather, Environmental and Remote Sensing
- R28 Space Domain and Space Situational Awareness
- R29 Sensing for Unmanned and Robotic Platforms
- R30 Industrial, Security, and Other Novel Applications

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CONFERENCE HIGHLIGHTS

The EuRAD 2026 conference is the ideal event to keep up to date with the latest achievements in the field of radar and to interact with international experts from industry and academia. The conference brings together researchers and radar designers and developers from all over the world to stimulate development of new trends, products, and services. International experts will present keynote papers on topics of current importance and on the latest advances. Tailored short courses and workshops will complement the programme. Furthermore, the conference social events will allow all participants to network with the international radar community.

EuMA RADAR PRIZE

The EuMA Radar Prize(s) is/are awarded by the EuRAD Technical Programme Committee and the EuMW Steering Committee to what they consider to be the best paper(s) at the 23rd European Radar Conference. The value of a EuMA Radar Prize is €3,000. An extended version of the winning paper(s) will be considered for publication in the International Journal of Microwave and Wireless Technologies.

EuRAD YOUNG ENGINEER PRIZE

The EuRAD Technical Programme Committee and the EuMW Steering Committee will award EuRAD Young Engineer Prizes of €2,000 to young engineers or researchers who have presented an outstanding contribution at the European Radar Conference. To be eligible, candidates must (1) have their 31st birthday after the end of 2026, (2) be the first author of the paper, and (3) be the contribution presenter in an oral or a poster session. The first author must have made a major contribution to the work reported which must be described in an electronic statement signed by all authors of the paper (effectively co-authors state that their contribution was merely advisory). This statement has to include the date of birth of the first author and must be submitted together with the original submission. The number of co-authors of the paper is not limited.

REDUCED FEES AND SPECIAL GRANTS 🇺🇦

Reduced registration fees are offered for students (whose 31st birthday is after the end of 2026) and senior persons whose 65th birthday is or was before the end of 2026 and for military personnel (with proof of affiliation). The European Microwave Association will also provide up to five student grants of €750 and free EuRAD registration. Applicants for a student grant must have their 31st birthday after the end of 2026, be a full-time student, i.e., an undergraduate or a Ph.D. student, and they will be asked to provide a supervisor's written confirmation of their current student status. The European Microwave Association will also provide a number of grants for delegates coming from the Newly Independent States and from low-income countries. We are particularly proud to support applications from Ukrainian scholars. The value of the grant is €750 in addition to a free EuRAD registration. Applications should be sent to the EuMW 2026 Grants and Visa Chair by emailing grants.eumw2026@eumwa.org within the deadline (see "Important Dates" section on the second page of this Call for Papers).

22ND EuRAD TEAM

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Chair	David Grieg, Leonardo, UK	eurad.chair.eumw2026@eumwa.org
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