

Call for Papers

30 years of EUSAR

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EUSAR 2026

16th European Conference on Synthetic Aperture Radar

June 08 – 11, 2026

Kongresshaus Baden-Baden, Germany



EUSAR, the European Conference on Synthetic Aperture Radar, is the world leading international conference dedicated to SAR techniques, technology and applications.

EUSAR has accompanied the worldwide evolution of high-resolution imaging radar, both airborne and spaceborne, and has helped to establish an international community of SAR engineers and scientists. As in previous years, EUSAR 2026 will provide a forum for exchanging information and discussion on a wide variety of SAR topics, representing the latest SAR developments. You are cordially invited to participate in EUSAR 2026 to be held in Baden-Baden, Germany.

The draft paper submission deadline is **26. October 2025**.

Organized by

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Conference Topics

(A) SAR Systems and Sensors

A1 Spaceborne SAR Systems and Missions
A2 Airborne SAR Systems and Missions
A3 UAV-based SAR Systems
A4 Ground-Based SAR
A5 Inverse SAR (ISAR)
A6 SAR System Simulation and Modeling
A7 Next Generation SAR Systems and Missions

(B) SAR Technology and Calibration

B1 Antennas
B2 Components and Subsystems
B3 Technology Demonstrations
B4 Advanced SAR Modes and Techniques
B5 Calibration and Verification
B6 Digital Beamforming
B7 Photonic and Quantum Radar

(C) SAR Signal Processing

C1 SAR Image Generation, Motion Compensation, and Geocoding
C2 ISAR Signal Processing
C3 Image Filtering, Correction, and Enhancement
C4 MTI, GMTI, and STAP
C5 Interferometry (Cross-Track, Along-Track, Differential, PS, ...)
C6 Tomography, Holography, and 4-D SAR
C7 Advanced Processing Techniques (Compressive Sensing, Multi-Aperture, ...)
C8 Artificial Intelligence/Machine Learning in SAR processing (on-board & on-ground)

(D) SAR Data Evaluation and Modeling

D1 Electromagnetic Modeling and Wave Propagation
D2 Polarimetry
D3 Polarimetric Interferometry
D4 Segmentation, Feature Extraction, and Analysis
D5 Product Validation, Data Fusion and Value Adding
D6 Machine Learning and Artificial Intelligence assisted automatic data evaluation
D7 Quantum Computing

(E) SAR Applications

E1 Land Use and Land Cover
E2 Urban Areas
E3 Soil and Vegetation
E4 Maritime and Ocean
E5 Snow, Ice and Glaciers
E6 Topography and Solid Earth
E7 Surveillance, Security and Disaster
E8 Other Applications

(F) Other SAR-Related Subjects

F1 Other SAR Related Subjects

Draft Paper Submission

Draft paper submission, review process (single blind) by the Technical Program Committee (TPC) and final paper submission are performed via the conference managing system EDAS. Ensure that your complete affiliation including postal address, phone number and e-mail address are up-to-date. To register and submit your draft paper, log into EDAS, press "Submit Paper" and then the **EUSAR 2026** submit button. Paper submission consists of two steps: paper registration and paper upload. During paper registration you will be asked to indicate:

- Title of the paper
- Keywords, separated by semicolons
- Add all authors as indicated in your draft paper
- Paper abstract in plain text (10 ... 100 words)
- Paper category (please indicate your preference: Oral / Poster Presentation, and if applicable Student Paper Competition)
- At least one and up to three most suitable topic areas, to be chosen from the list of conference topics.

Draft paper submissions or draft paper updates can be made any time after the paper has been registered, but no later than the draft paper submission deadline:

26. October 2025.

Each submitted paper should clearly and concisely state the problem addressed, describe the methodology used (e.g. including images), contain the current results and summarize the central conclusions. The title of the paper should clearly convey the essence of the work. Please avoid unusual acronyms.

Note: The draft paper must be **at least 3** pages but should not **exceed 6** pages. Only submissions in **unprotected** PDF format, fully **embedded** fonts, and size **below 10 MB** are accepted!

Authors will be kept informed via e-mail once they have registered their papers in EDAS. For assistance, please contact eusar2026@airbus.com

Final Paper Submission

Authors will be asked to submit their final paper after their draft paper has been accepted by the reviewers. Final papers can have up to six pages (PDF size < 10 MB) and will be published in the proceedings of **EUSAR 2026**, uploaded to IEEE Xplore and indexed in Elsevier's Scopus and Clarivate's Web of Science. To be included in the proceedings at least one author has to register and pay the registration fee, at the latest by

01. April 2026.

One author may register up to two papers. For additional papers a surcharge must be paid. In case of late registration or late final paper submission the paper will be excluded from the conference proceedings.

Awards

Awards are planned for the Best Paper, Best Poster and for Best Student Papers. For further information see our website.

Important Dates

- Deadline for draft paper submission:26. October 2025
- Notification of paper acceptance:16. February 2026
- Deadline for final paper submission and for authors conference registration:01 April 2026
- Tutorials:08. June 2026 (Monday)
- Conference EUSAR 2026:09. – 11. June 2026 (Tuesday – Thursday)

Baden-Baden - Gateway to the Black Forest

Fall in love with the European capital of the art of living - Baden-Baden! Here, luxurious wellness oases, historic architecture, lush nature and modern lifestyles merge into an unrivalled experience.

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For up-to-date conference information visit our web site: www.eusar.de

- For questions concerning abstracts, papers, conference program, please contact our team:
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- For questions related to the conference organization (registration, hotel reservation, etc.), please contact:
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