

# Call for Papers

## EUSAR 2024

### 15<sup>th</sup> European Conference on Synthetic Aperture Radar

23–26 April 2024, Science Congress Center Munich, 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 2024** 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 2024** to be held in Munich, Germany.

The draft paper submission deadline is **30 September 2023**.

#### Conference Board

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|                      |                              |                                  | J. Fischer, DLR                |

#### About Munich

Munich – the capital of Bavaria – is a city with an 865-year history, full of culture, music, natural beauty, charm and hospitality. The city boasts attractive architecture, with palaces and churches, museums, theatres, nearby fairy-tale castles and idyllic mountain resorts in the Bavarian Alps. Munich is also a center of high-tech science as well as home to four universities, several research institutes, software companies, space industries and various international enterprises, making it an ideal location for **EUSAR 2024**. The warmth and hospitality of Munich's citizens will create a unique atmosphere for the symposium participants during their stay in this welcoming city. With a total population of around 1.5 million people Munich is the third largest city in Germany after Berlin and Hamburg. Munich, known as the "Cosmopolitan city with a heart" is indeed very cosmopolitan, as about a quarter of its inhabitants are non-Germans.



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#### Information and Organization

For up-to-date conference information visit our web site: [www.eusar.de](http://www.eusar.de)

- For questions concerning abstracts, papers, conference program, please contact our team:  
Technical Support (DLR): [eusar2024@dlr.de](mailto:eusar2024@dlr.de)
- For questions related to the conference organization (registration, hotel reservation, etc.), please contact:  
Organizer Support (VDE): [nicolas.parisel@vde.com](mailto:nicolas.parisel@vde.com)

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## 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 2024** 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:

**30. September 2023.**

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 [eusar2024@dlr.de](mailto:eusar2024@dlr.de).

## 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 2024**, 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 February 2024.**

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.

## Conference Topics

### (A) SAR Systems and Missions

- 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 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- & Along-Track, Differential, PS...)
- C6 Tomography, Holography, and 4-D SAR
- C7 Advanced Processing Techniques (Compressive Sensing, Multi-Aperture, MIMO, ...)

### (D) SAR Data Evaluation and Modeling

- D1 Electromagnetic Modeling and Wave Propagation
- D2 Polarimetry
- D3 Polarimetric Interferometry

- D4 Segmentation, Feature Extraction and Classification
- D5 Product Validation, Data Fusion and Value Adding
- D6 Machine Learning and Artificial Intelligence
- 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

## Important Dates

- Deadline for draft paper submission: ..... 30 September 2023
- Notification of paper acceptance: ..... 15 December 2023
- Deadline for final paper submission and for authors conference registration: ..... 01 February 2024
- Tutorials: ..... 23 April 2024 (Tuesday)
- Conference **EUSAR 2024**: ..... 24–26 April 2024 (Wednesday-Friday)

## Awards

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

[www.eusar.de](http://www.eusar.de)