

## DRAFT PAPER SUBMISSION

For draft and final paper submission EDAS - a conference managing system - has to be used. If you don't have your own EDAS account yet, please create one at <http://www.edas.info>. Ensure that your complete affiliation including your postal address, phone number, and e-mail address are up-to-date. To register and submit your draft paper, log onto EDAS and press "Submit Paper". Paper submission consists of two steps: paper registration and draft paper submission. During paper registration you will be asked to indicate:

- the paper title and all co-authors
- a short paper abstract (between 10 and 100 words)
- the paper category (please indicate preference: Oral Presentation or Poster Presentation and if applying for the Student Paper Award)
- the most suitable topic area from the list of conference topics.

Draft paper submissions or draft paper updates may be carried out any time after the paper has been registered, but not later than

**21 August 2011.**

**Note: all submitted papers must be in PDF.**

Each draft paper should clearly and concisely state the problem addressed, describe the methodology used (e.g. including images), contain the current results and summarise the central conclusions. The title of the paper should clearly convey the essence of the work. Please avoid unusual acronyms. The submitted draft paper must be AT LEAST TWO PAGES but should not exceed four pages.

Authors will be kept informed via e-mail once they have registered their papers in EDAS. For help, please send an e-mail to [info.eusar2012@cassidian.com](mailto:info.eusar2012@cassidian.com).

## PAPER SUBMISSION

Authors will be asked to submit their final manuscripts after their submitted abstract has been accepted by the reviewers. The final paper in PDF format will be published in the proceedings of **EUSAR 2012**. Papers will be included in the proceedings only if at least one author has registered and paid the registration fee by

**30 January 2012.**

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

## IMPORTANT DATES

Draft paper submission deadline:	21 Aug. 2011
Notification of paper acceptance:	18 Nov. 2011
Final paper submission deadline	
and authors conference registration:	30 Jan. 2012
Tutorials:	23 Apr. 2012
Conference <b>EUSAR 2012</b> :	24-26 Apr. 2012
Technical Tour:	27 Apr. 2012

## ABOUT THE CONFERENCE VENUE

Nürnberg is a well developed modern city, located in the southern part of Germany, with a tinge of the medieval feel. It is a lively city which will never bore its visitors. Not only packed with urban landscapes and modern architectures, at each corner of the city lie the remains of monuments which shows the historical past of the city.

A variety of places of interests can easily be spotted throughout the city which range from the Egg of Nürnberg, a modern high raise broadcasting tower, to what remained from the Imperial castle (Kaiserburg). It was one of the most important imperial palaces of the Middle Ages and is definitely the greatest landmark which should not be missed by anyone visiting Nürnberg. Not only that, the city also offers an endless list of places to be seen like the Germanische Nationalmuseum, Our Lady's Church, Albrecht Dürer's House and the Hospice of Early Spirit. Or you can just enjoy the splendiddness of the natural river meadows of river Pegnitz.



## GENERAL INFORMATION

As in previous years, at the **EUSAR 2012** Conference about 300 contributions will be presented. The program committee will evaluate papers for technical quality, merit, novelty and clarity of presentation.

## AWARDS

There will be Awards for the Best Paper, Best Poster and for the three Best Student Papers. For the Student Awards the paper must not exceed two authors and the first author must be a student or a PhD candidate. During the registration process this circumstance has to be highlighted, if the paper is submitted for the Student Award. All Awards will be presented on the last day of the conference.

## TUTORIALS

**EUSAR 2012** will offer full-day tutorial courses including topical areas as polarimetry, interferometry, Pol-InSAR and bi-/multistatic SAR. The tutorial courses will be held on Monday, 23 April 2012 at the conference site and will include principles and basic theory, overview of applications and sensor systems. The tutorials are addressed to all **EUSAR** participants who are interested in these topics, with rudimentary to advanced technical knowledge in the particular field. Final information about the tutorials will be given as the advance program becomes available (end of 2011).



## COMMERCIAL EXHIBITION

For additional information concerning the commercial exhibition contact:

[vde-conferences@vde.com](mailto:vde-conferences@vde.com)

## INFORMATION AND ORGANISATION

For up-to-date conference information use the web site:

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

- For questions concerning organisation (registration, hotel reservation, etc.), please contact:  
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## Call for Papers



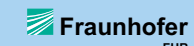
## 9<sup>th</sup> European Conference on Synthetic Aperture Radar



■ 24 - 26 April 2012

■ CCN, Nürnberg, Germany

Organized by  
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9<sup>th</sup> European Conference on Synthetic Aperture Radar

The **EUSAR** is a biennial international conference dedicated to Synthetic Aperture techniques, technology and applications in the area of Radar and Sonar.

**EUSAR** has accompanied the worldwide evolution of high resolution imaging radar, both airborne and space-borne, and has helped to establish an international community of SAR engineers and scientists. As in previous years, **EUSAR 2012** will provide an excellent forum for exchanging information and discussion on a wide variety of Synthetic Aperture topics, representing the latest SAR developments. You are cordially invited to participate in **EUSAR 2012** and visit the beautiful city of Nürnberg.

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Conference Topics

(A) SAR/ISAR Systems and Sensors

- A1 Airborne SAR-Systems and Missions
- A2 Space-borne SAR Systems and Missions (TerraSAR-X, RADARSAT 2, COSMO-SkyMed, TanDEM-X, TecSAR, ALOS, ...)
- A3 Inverse SAR (ISAR)
- A4 SAR System Simulation and Modelling
- A5 Advanced SAR Concepts and Modes (ScanSAR, TOPS, Spotlight, Squint, Bi-/multistatic, Passive)
- A6 Very Low Frequency and Millimeter Wave SAR Systems
- A7 Ultra Wide Bandwidth and High Resolution SAR
- A8 SAR System Modeling and Simulation

(B) SAR/ISAR Technology

- B1 SAR Antennas, T/R Modules, Phased Arrays, Digital Beam Forming, and Real-Time SAR Processing
- B2 SAR Technology (Waveform Generators, High Speed AD-Converters, ...)
- B3 SAR/ISAR Calibration and Verification (Radiometric, Polarimetric, and Interferometric)
- B4 Terrestrial SAR Tools, Artificial Targets, and Transponders
- B5 Waveform Design

(C) SAR/ISAR Signal Processing

- C1 SAR Image Generation, Motion Compensation, and Geocoding
- C2 Signal Processing for Advanced SAR Modes (Spotlight, Squint, Bistatic, Sliding)
- C3 ISAR Signal Processing
- C4 Along and Across-Track Interferometry
- C5 Multiple Pass, Differential Interferometry, and SAR Tomography
- C6 Polarimetry and Polarimetric Interferometry
- C7 SAR/MTI, GMTI, STAP, Change Detection
- C8 Three Dimensional Imaging

(D) SAR/ISAR Data Evaluation and Handling

- D1 Post-Processing Techniques
- D2 SAR Surveillance Urban Areas
- D3 Image Filtering, Correction, and Enhancement
- D4 Feature Extraction and Analysis, Image Classification
- D5 Data Fusion, Data Mining, and Value-Adding
- D6 Data Compression
- D7 Archiving, Data Formats, and Distribution
- D8 Product Validation, DEM Verification

(E) Innovative SAR Concepts and Applications

- E1 Next Generation SAR Systems, Innovative SAR Concepts
- E2 Multimode and Reconfigurable SAR Systems
- E3 Multi-Satellite and Small Satellite SAR Systems
- E4 Three Dimensional SAR Techniques
- E5 MIMO-SAR
- E6 Urban, Land Remote Sensing, Geographical Mapping
- E7 Other Synthetic Aperture Applications

(F) Other SAR Related Subjects

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SAR and optical image from CCN-Nürnberg

TanDEM-X: TerraSAR-X add on for Digital Elevation



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Interferometric SAR image near Hinwil (CH) [MEPHIS - 35 GHz]

