

## DRAFT PAPER SUBMISSION

For draft and final paper submission EDAS - a conference managing system - is 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, fax and E-Mail is up to date. To register and submit your draft paper, log into EDAS and press "Submit Paper". Paper submission is in two steps: Paper registration and draft paper PDF submission. During paper registration you will be asked to indicate:

- the paper title and all co-authors
- a short paper abstract (not more than 5 lines)
- the paper category (please give your preference: Oral Presentation, Poster Presentation, Student Paper)
- the most suitable topic area from the list of conference topics (1 to 3 selections possible)

The actual draft paper submission or draft paper updates may be done any time after the paper has been registered, but not later than

**30 Oktober 2009.**

Note that only PDF file format is accepted.

Each draft paper should clearly and concisely state the problem addressed, describe to a certain detail 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. 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 [eusar2010@fgan.de](mailto:eusar2010@fgan.de).

## PAPER SUBMISSION

Authors will be asked to submit final manuscripts of their papers after their submitted abstract has been accepted by the reviewers. The final paper in PDF format will be published in the Proceedings of **EUSAR 2010**, also available as CD-ROM. The conference proceedings will only contain papers that are presented in the conference. Therefore, at least one author must register by

**15 March 2010.**

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

## IMPORTANT DATES

Deadline for draft paper submission: 30 Oct. 2009  
Notification of paper acceptance: 15 Dec. 2009  
Deadline for final paper submission and conference registration: 15 March 2010  
Tutorials: 07 June 2010  
Conference **EUSAR 2010**: 08-10 June 2010  
Technical Tour: 11 June 2010

## ABOUT THE CONFERENCE VENUE

Aachen is love at first sight. It is situated in a virtual valley, surrounded by fields, woods and hills which makes you feel heartily welcome. At its portals - closely where three countries meet, Germany, the Netherlands, Belgium - you find the nature reserves of the Ardennes and the Eifel. And Aachen exhilarates: its warm water springs have been enjoyed for more than two thousand years! The town can be easily reached via the airports of Maastricht/Aachen, Cologne and Brussels, or by fast train from Cologne/Dusseldorf, Brussels, Paris/London.

Aachen unites tradition with progress. Charlemagne has left his mark throughout the city. The cathedral - the first monument in Germany to be included in the UNESCO Cultural Heritage list - and the gothic City Hall in which 32 German kings celebrated their coronations still form the heart of Aachen's old city centre. Aachen is a modern city with its own flair, with nearly 40,000 students attending Aachen's four major colleges and elite universities, open to the world, with political, economic and cultural contacts that reach far beyond Germany's borders. But Aachen has much to offer in respect of quality of life, too.

The scientific competence available in Aachen has attracted famous international enterprises and research institutions including Ericsson, Ford, Philips, and Microsoft, and enabled the successful placing of up-and-coming technology companies. Aachen's colleges and universities develop top technologies for the sunrise industries.

## GENERAL INFORMATION

As in the past years, at the **EUSAR 2010** Conference about 400 oral contributions will be presented. The conference paper selection committee will evaluate papers for technical quality, merit, novelty and clarity of presentation. The Best Paper, Best Poster and Best Student Awards will be presented on the last day of the conference.

## TUTORIALS

**EUSAR 2010** 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, 07 June 2010 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 minor and advanced technical knowledge on the particular field. Final information about the tutorials will be given as the Advance Program becomes available (beginning 2010).



For additional information concerning the commercial exhibition contact:

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

## INFORMATION AND ORGANIZATION

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

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

- For questions concerning organization (registration, hotel reservation, etc.), please contact:  
Ms. Hatice Altintas  
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- For questions concerning abstracts, papers, conference program, please contact:  
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- For questions concerning the EUSAR2010 tutorials, please contact:  
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## Call for Papers



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



■ 07. - 10. June 2010  
■ Eurogress, Aachen, Germany

Organized by  
**ITG / VDE**



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8<sup>th</sup> European Conference on Synthetic Aperture Radar

**EUSAR**, the European Conference on Synthetic Aperture Radar, is a bi-annual international conference dedicated to SAR techniques, technology and applications.

**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 2010** 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 2010** and visit the beautiful city of Aachen.

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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)

A3 Inverse SAR (ISAR)

A4 SAR System Simulation and Modelling

A5 Advanced SAR Modes (ScanSAR,TOPS,Spotlight,Squint,Bistatic)

A6 Very Low Frequency SAR Systems

A7 Ultra Wide Bandwidth and High Resolution SAR
- (B) SAR/ISAR Technology

B1 SAR Antennas, T/R Modules, and Phased Arrays, Digital Beam Forming

B2 SAR Technology (Waveform Generators, High Speed AD-Converters, ...)

B3 SAR Calibration and Verification (Radiometric, Polarimetric and Interferometric)

B4 Terrestrial SAR Tools, Artificial Targets and Transponders
- (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, STAP, Change Detection

C8 On-Board / Real-Time SAR Processing
- (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 Mining and Value-Adding

D6 Data Compression

D7 Archiving, Data Formats and Distribution

D8 Data Fusion

D9 Product Validation
- (E) Innovative SAR Concepts and Applications

E1 Next Generation SAR Systems, Innovative SAR Concepts

E2 Bi- and Multistatic SAR Systems, Passive SAR Systems

E3 Multimode and Reconfigurable SAR Systems

E4 Multi-Satellite and Small Satellite SAR Systems

E5 Three Dimensional SAR Techniques

E6 MIMO-SAR
- (F) Other SAR Related Subjects

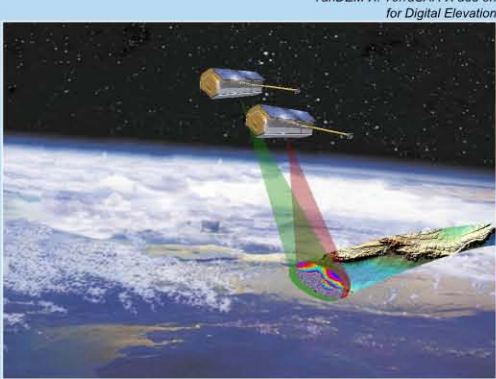
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SAR image showing center of Aachen (D)  
[acquired by PAIMR- 10 GHz]

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