DRAFT PAPER SUBMISSION

Draft and final paper submission is performed via the conference managing system EDAS. If you don't have your own EDAS account yet, please create one at http://www.edas.info. 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 2014** 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 PDF file
- Paper abstract in plain text (between 10 and 100 words)
- Paper category (please indicate your preference: Oral Presentation or Poster Presentations, and if applicable Student Paper Award)
- 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 may be carried out any time after the paper has been registered, but no later than the draft paper submission deadline

October 31, 2013.

Note: Only submissions in PDF format are accepted.

Each draft 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. The 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 assistance, please contact **eusar2014@dlr.de**.

FINAL PAPER SUBMISSION

Authors will be asked to submit their final paper after their submitted draft paper has been accepted by the reviewers. The final paper in PDF format will be published in the proceedings of **EUSAR 2014** To be included in the proceedings at least one author has to register and pay the registration fee, at the latest by

April 1, 2014.

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.

IMPORTANT DATES

- Deadline for draft paper submission: October 31, 2013
- Notification of paper acceptance: January 15, 2014
- Deadline for final paper submission and for authors conference registration: April 1, 2014
- Tutorials: June 2, 2014
- Conference **EUSAR 2014**: June 3 - 5, 2014
- Technical Tour: June 6, 2014
- CEOS SAR Workshop: June 6, 2014

ABOUT Berlin

Berlin is a trendsetter: whether its museums or galleries, gastronomy or entertainment, music or fashion – there's always something going on in the scene capital. Variety is guaranteed, but Berlin also offers plenty of opportunities for those who just want to relax and take it easy. Green parks like Tiergarten, the Tempelhof Fields or Grunewald improve the quality of life and offer the chance of a small break in nature. Certainly the legendary night life, the attractive and unusual possibilities for shopping, but also Berlin's unique history enthral guests from near and far. Another enormous plus for the city is its outstanding price-quality ratio – in Berlin visitors simply get more for their money.

GENERAL INFORMATION

The conference will be opened by a Plenary Session. It is intended to invite speakers from agencies, ministries and research institutions. During the international technical program about 250 oral contributions will be presented including several invited papers and special sessions. There will be also an interactive poster session. The Best Paper, Best Poster and Best Student Awards will be presented on the last day of the conference. A special event program will be organized following the tradition of the **EUSAR** conferences.

AWARDS

Awards are planned 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 paper registration process or later in the EDAS system this circumstance has to be indicated by checking the Student Paper Competition check box, if the paper shall be considered for the Student Award. All Awards will be presented on the last day of the conference.

TUTORIALS

EUSAR 2014 will offer full-day tutorial courses covering different aspects of SAR techniques and applications. The tutorial courses will be held on Monday, June 2, 2014 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 provided with the advanced program to become available early in 2014.

COMMERCIAL EXHIBITION

For additional information concerning the commercial exhibition contact: **vde-conferences@vde.com**

INFORMATION AND ORGANIZATION

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

- For questions related to the conference organization (registration, hotel reservation, etc.), please contact:
  Ms. Hatice Altintas
  EUSAR 2014 - Conference Office c/o VDE
  Stresemannallee 15
  60596 Frankfurt, Germany
  Phone: +49 (0) 69 63 08 477
  Fax: +49 (0) 69 63 08 144
  E-mail: hatice.altintas@vde.com

- For questions concerning abstracts, papers, conference program, please contact:
  Mr. Jens Fischer (DLR)
  EUSAR 2014 Executive
  Oberpfaffenhofen
  82234 Wessling, Germany
  Phone: +49 (0) 8153-28-3057
  Fax: +49 (0) 8153-28-1449
  E-mail: eusar2014@dlr.de

CALL FOR PAPERS

EUSAR 2014

10th European Conference on Synthetic Aperture Radar

02-06 June 2014
Maritim Hotel, Berlin

Organized by

ITG/VDE

DLR · CASSIDIAN · Fraunhofer FHR · ASTRIUM

Technically sponsored by

EUREL • URSI • DGON • IEEE GRSS • IEEE AESS

10th European Conference on Synthetic Aperture Radar

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 2014** 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 2014** to be held in Germany's capital Berlin, a world city of culture, politics, media and science.

Conference Board

General Chairman	M. Zink	DLR
Vice Chairman	R. Zahn	Cassidian
Program Chairman	G. Krieger	DLR
Program Board	J. Ender	FHR
	C. Heer	Astrium
	M. Kirscht	Cassidian
	A. Reigber	DLR
Tutorials	I. Hajnsek	DLR
Awards Chairman	W. Wiesbeck	KIT
Finance Chairman	V. Schanz	VDE
Exhibition Chairman	M. Lörcher	Cassidian
Conference Organization	C. Groß	VDE
	H. Altintas	VDE
EUSAR Executive	J.Fischer	DLR
	M. Weiß	FHR
Honorary Members	W. Keydel	DLR
	R. Klemm	FHR
International Advisory Committee	K. Kulpa	Warsaw Univ./PL
	P. Lombardo	Univ. of Roma/IT
	P. Rosen	JPL/USA
	G. Seguin	CSA/CAN
	M. Shimada	JAXA/JP
	M. Williams	CRC-SI/AU
	M. Zhu	CAS/CN

Image: DLR Germany

Conference Topics

(A) SAR Systems and Sensors
- A1 Spaceborne SAR Systems and Missions
- A2 Airborne SAR Systems and Missions
- A3 Ground-Based SAR
- A4 Inverse SAR (ISAR)
- A5 SAR System Simulation and Modeling
- A6 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

(C) SAR Signal Processing
- C1 SAR Image Generation, Motion Compensation and Geocoding
- C2 ISAR Signal Processing
- C3 Image Filtering, Correction and Enhancement
- C4 Interferometry (Cross-Track, Along-Track, Differential, PS, …)
- C5 MTI, GMTI and STAP
- C6 Tomography, Holography and 4-D SAR
- C7 Advanced Processing Techniques (Compressive Sensing, Multi-Aperture, …)

(D) SAR Data Evaluation and Modeling
- D1 Electromagnetic Modeling
- D2 Polarimetry
- D3 Feature Extraction and Analysis
- D4 Classification
- D5 Polarimetric Interferometry
- D6 Product Validation, Data Fusion and Value Adding

(E) SAR Applications
- E1 Land Use and Land Cover
- E2 Urban Areas
- E3 Soil and Vegetation
- E4 Maritime and Ocean
- E5 Snow and Ice
- E6 Topography and Solid Earth
- E7 Surveillance and Disaster
- E8 Other Applications

(F) Other SAR Related Subjects

Program Committee

Ainsworth, Thomas	Naval Research Laboratory	USA
Baker, Chris	Ohio State University	USA
Bamler, Richard	DLR	Germany
Baumgartner, Stefan	DLR	Germany
Berens, Patrick	Fraunhofer FHR	Germany
Boerner, Wolfgang	UIC Chicago	USA
Boukamp, Joachim	Cassidian	Germany
Braun, Hans	INS University of Stuttgart	Germany
Brenner, Andreas	Fraunhofer FHR	Germany
Broquetas, Antoni	Universitat Politecnica de Catalunya	Spain
Buchroithner, Manfred	Dresden University of Technology	Germany
Cantalloube, Hubert	ONERA	France
Cerutti-Maori, Delphine	Fraunhofer FHR	Germany
Christophe, Florent	ONERA	France
Closa Soteras, Josep	EADS CASA Espacio	Spain
Damini, Anthony	DRDC Ottawa	Canada
Danklmayer, Andreas	Fraunhofer FHR	Germany
Dell'Acqua, Fabio	University of Pavia	Italy
Desnos, Yves-Louis	ESA	Italy
Dubois-Fernandez, Pascale	ONERA	France
Edrich, Michael	EADS Cassidian	Germany
Eineder, Michael	DLR	Germany
Farr, Tom	Jet Propulsion Laboratory	USA
Feldle, Heinz-Peter	Cassidian	Germany
Fernandes, David	Instituto Tecnologico de Aeronautica (ITA)	Brazil
Ferro-Famil, Laurent	University of Rennes 1	France
Fischer, Christian	EADS Astrium	Germany
Fischer, Jens	DLR	Germany
Fornaro, Gianfranco	CNR-IREA	Italy
Garcia Rodriguez, Marcos	INTA	Spain
Gebert, Nicolas	ESA	The Netherlands
Geudtner, Dirk	ESA	The Netherlands
Gierull, Christoph	DRDC Ottawa	Canada
Gomez, Beatriz	INTA	Spain
Gonzalez, Maria Jose	INTA	Spain
Griffiths, Hugh	University College London	UK
Hajnsek, Irena	ETH Zurich, DLR	Germany
Hallikainen, Martti	Aalto University	Finland
Hanssen, Ramon	Delft University of Technology	The Netherlands
Heer, Christoph	Astrium GmbH	Germany
Hensley, Scott	Jet Propulsion Laboratory	USA
Hong, Wen	National Key Lab. of Microwave Imaging Tech.	China
Hoogeboom, Peter	TNO	The Netherlands
Inggs, Michael	University Cape Town	South Africa
James, Kenneth	MDA	Canada
Kent, Sedef	Istanbul Technical University	Turkey
Kirscht, Martin	EADS Cassidian	Germany
Klemm, Richard	Fraunhofer-FHR	Germany
Kolev, Nickolai	Naval Academy	Bulgaria
Krieger, Gerhard	DLR	Germany
Krogager, Ernst	Danish Defence Acq. and Log. Organization (DALO)	Denmark
Kulpa, Krzysztof	Warsaw University of Technology	Poland
Kutuza, Boris	Russian Academy of Sciences	Russia
Lanari, Riccardo	IREA	Italy
Le Chevalier, François	Thales Air Systems	France
Lin, Chung-Chi	ESA	The Netherlands
Lombardini, Fabrizio	University of Pisa	Italy
Lombardo, Pierfrancesco	University Roma La Sapienza	Italy
López-Dekker, Paco	DLR	Germany
Ludwig, Michael	ESA	The Netherlands
Lukowski, Tom	Defence R&D Canada	Canada
Madsen, Soren	Jet Propulsion Laboratory	USA
Mallorquí, Jordi	Universitat Politecnica de Catalunya (UPC)	Spain
Marques, Paulo	ISEL-ISL	Portugal
Martorella, Marco	University of Pisa	Italy
Meadows, Peter	BAE Systems Advanced Technology Centre	UK
Meier, Erich	University Zurich	Switzerland
Mittermayer, Josef	DLR	Germany
Monti Guarnieri, Andrea	Politecnico di Milano	Italy
Mora, Oscar	ALTAMIRA Information	Spain
Moreira, Alberto	DLR	Germany
Morrison, Keith	Cranfield University	UK
Naftaly, Ury	Elta	Israel
Oriot, Helene	ONERA	France
Papathanassiou, Kostas	DLR	Germany
Park, Sang-Eun	Niigata University	Japan
Pottier, Eric	University of Rennes	France
Quegan, Shaun	University of Sheffield	UK
Raney, Keith	Johns Hopkins University	USA
Reigber, Andreas	DLR	Germany
Rieck, Wolfgang	MBDA	Germany
Rocca, Fabio	Politecnico di Milano	Italy
Rohling, Hermann	Technical University Hamburg-Harburg	Germany
Rosebrock, Jens	Fraunhofer FHR	Germany
Rosen, Paul	Jet Propulsion Laboratory	USA
Rott, Helmut	University of Innsbruck	Austria
Sato, Motoyuki	Tohoku University	Japan
Scheiber, Rolf	DLR	Germany
Shimada, Masanobu	JAXA	Japan
Skriver, Henning	Technical University of Denmark	Denmark
Small, David	University of Zurich	Switzerland
Snoeij, Paul	ESA	The Netherlands
Souyris, Jean-Claude	CNES	France
Srivastava, Satish	Canadian Space Agency	Canada
Stacy, Nick	DSTO	Australia
Stangl, Martin	EADS Astrium	Germany
Stilla, Uwe	Technische Universität München	Germany
Suess, Martin	ESA	The Netherlands
Torre, Andrea	Thales AleniaSpace	Italy
Torres, Ramon	ESA	The Netherlands
Touzi, Ridha	Canada Centre for Remote Sensing	Canada
Ulander, Lars	Swedish Defence Research Agency	Sweden
van 't Klooster, Kees	ESA	The Netherlands
Walterscheid, Ingo	Fraunhofer FHR	Germany
Wang, Chao	Chinese Academy of Sciences	China
Wang, Robert	Chinese Academy of Sciences	China
Weiß, Matthias	Fraunhofer FHR	Germany
Werninghaus, Rolf	DLR	Germany
Weydahl, Dan Johan	Norwegian Defence Research Establishment (FFI)	Norway
Wiesbeck, Werner	Karlsruhe Institute of Technology	Germany
Yamada, Hiroyoshi	Niigata University	Japan
Yamaguchi, Yoshio	Niigata University	Japan
Zahn, Rudolf	Cassidian	Germany
Zhu, Minhui	Chinese Academy of Sciences	China
Zink, Manfred	DLR	Germany