

Welcome – General Chair

It is my great pleasure to welcome you to the 11th European Conference on Synthetic Aperture Radar (EUSAR) 2016 in Hamburg.

Over the last years, EUSAR has become the leading international conference on SAR technologies and applications, attracting the brightest people in the field not only from Europe but from all over the world. It is this international atmosphere and the high standards that provide the right platform for discussions and information sharing which is so valuable to all participants and that will lead to great outcomes. Personally, I am very excited to see what we all will achieve this year.

As in previous years, the EUSAR 2016 conference program is multifaceted. The first generation of operational space borne SAR Missions have provided a huge amount of valuable data and paved the way for a broad scientific, governmental, and even commercial use of SAR products. The SAR community - we all - are intensively preparing for the next generation. What experience did we derive from the current missions? What are the trends in innovative sensor technology, data processing, new SAR and geo-information products, mission and service concepts for the user domains? The EUSAR 2016 conference will address these topics and will provide substantial answers to these questions. The conference starts with a prominently represented opening session, includes a program of dedicated sessions on various SAR subjects, and several interesting poster sessions. My extended thanks to everyone taking the effort to actively and substantially contribute to this conference, thus making it rich and valuable!

The EUSAR 2016 conference is taking place in the Free and Hanseatic City of Hamburg - my thanks to those who had this brilliant idea and made it happen! Hamburg's long official name reflects its history as a member of the medieval Hanseatic League, it's standing as a free imperial city, representing a city state and one of the 16 States of Germany today. Hamburg is a logistics and transport hub, being the biggest German seaport. In recent years it has also become a media and industrial center, highly developed in the high-tech area with strong representation of the aeronautics, bio-scientific, consumer, information, and media industries. Hamburg is an extremely dynamic city which never sleeps. Hamburg is cosmopolitan, looks eagerly towards the future, offers a broad variety of cultural and profane activities, interesting architecture, parks to relax, and so much more. In short, Hamburg is as multifaceted as EUSAR's program and a great fit for our conference!

I am looking forward to seeing you very soon at EUSAR 2016, to listening to interesting and enthusiastically delivered presentations, to participating in passionate and vivid discussions and exchanges and to breathing the future-oriented, cosmopolitan and dynamic air of our venue, Hamburg.

Eckard Settlemeyer
USAR 2016 General Chairman
Airbus DS GmbH, Germany

Welcome – TPC Chairs

On behalf of the EUSAR 2016 Organisation Committee we would like to welcome you to the Hanseatic city of Hamburg – the second largest city of Germany - worldwide known for its important industry as well as rich history and culture.

This year's edition of EUSAR enjoys a very good response from the academia, industry and institutions from all over the world. The submitted papers cover all important SAR related topics: from systems and missions to technology, processing to data evaluation and modeling, as well as advanced applications. A total number of over 300 papers divided into 15 invited sessions, 35 regular oral sessions and one poster session with nearly 70 posters will be presented. Over 30 countries are represented by the authors in total. The oral sessions are organized in 5 parallel sessions with minimal interference between the session topics. On Tuesday evening, after the traditional piano recital, you will have the possibility to discuss the poster presentations with the authors.

On Monday, prior to the opening of EUSAR 2016, a set of tutorials is given where the interested attendees can get a deep dive into selected technical or application aspects of SAR technology.

The higher level perspectives and future trends in SAR technology will be given by the Keynote Speakers during the opening plenary session on Tuesday. In addition, special invited guests will present on Tuesday afternoon in a Special Session on Space Programs and Roadmaps current activities and future trends in SAR

During the conference an Award Committee under the lead of Prof. Wiesbeck will review the EUSAR contributions and identify the winners of the contest. The awards will be given in three well-established categories: best paper, best poster and best student paper.

The conference dinner will take place on Wednesday evening in a restaurant with a beautiful view of the panorama of Hamburg. Before the dinner there is the opportunity to attend a guided bus tour through the city of Hamburg. The dinner location is also reachable by a 15 min walk from the conference venue.

After the conference, the EUSAR-authors will profit from the visibility of their contributions in ISI and SCOPUS databases, whereas the publications will be made accessible in the conference proceedings and in IEEEExplore.

We would like to express our thanks to the Program Board and to the Technical Program Committee for assuring the highest technical quality of the conference and for support in creation of a very interesting program. Furthermore, we thank the Invited Session organizers for their careful preparation of the invited sessions and the Session Chairs for leading the regular sessions. Last but not least we would like to thank all authors and participants for providing the whole content of this year's edition of EUSAR 2016. Have fruitful discussions and let the conference be once again a successful forum for creation of new ideas and networks.

Grzegorz Adamiuk / Thomas Fügen
EUSAR 2016 Technical Chairmans
Airbus DS GmbH, Germany