



## CONTACT

### TO THE WORKSHOP AST 2017

#### Conference Chairs

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#### Conference Co-Chair

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#### Conference Secretariat

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#### Important Dates

**Sep. 30, 2016**

- **Deadline for abstracts (max. 1 page):** ~~September 15, 2016~~ **September 30, 2016**
- **Notification of acceptance:** October 15, 2016
- **Deadline for early registration:** December 15, 2016
- **Deadline for final paper:** December 15, 2016
- **Registration deadline:** February 15, 2017

#### Registration

Registration will be possible after July 01, 2016 via the web page of the workshop. The registration fee includes the full scientific program, one set of printed proceedings (including a CD-ROM), coffee breaks, lunches, and dinner on the first day. For further information about the workshop as well as detailed instruction for submitting the final paper, please visit our web page at:

<http://ast.tuhh.de>

## WELCOME

### TO THE WORKSHOP AST 2017

Continuing a series of conferences that has been firmly established since the first AST in 2007, the Hamburg University of Technology invites for the 6th International Workshop on Aircraft System Technologies AST 2017. The event, taking place once more in Hamburg, is organized in close cooperation with the Institut National des Sciences Appliquées de Toulouse. It will provide an ideal platform to the worldwide family of aviation engineers for fruitful discussions about scientific and technical issues in their field.

During the workshop, high level presentations by leading experts will allow each participant to get an in-depth view on the status of systems and components in numerous fields of aviation. Aspects of current applications as well as future research and developments will be exchanged.

All international experts are invited to present their latest research results, discuss technical experiences, and communicate new ideas.

The event will take place in the unique atmosphere of the Hotel Hafen Hamburg, known for its marvellous view on the harbour area.

  
Otto von Estorff  
Frank Thielecke

## CALL FOR PAPERS

# AST 2017

## 6<sup>TH</sup> INTERNATIONAL WORKSHOP ON AIRCRAFT SYSTEM TECHNOLOGIES

**FEBRUARY 21-22, 2017  
HAMBURG, GERMANY**

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## MAIN TOPICS

### AIRCRAFT SYSTEM TECHNOLOGIES 2017

The international workshop will focus on research and new developments in the field of aviation and aircraft systems. The main topics are:

#### 1. Airframe Systems and Equipment

- System Design and Integration
- Power Systems
- More Electric Aircraft Technologies
- Actuation System Technologies
- Automation and Diagnostics in Systems
- System Impact on Operating and Life Cycle Cost

#### 2. Cabin and Comfort

- Cabin Systems and Equipment
- Environmental Control and Cooling Systems
- Thermal Comfort and Air Quality
- Noise and Vibration
- Inflight Entertainment

#### 3. Materials and Production

- Design and Manufacturing
- Assembly and Joining Technologies
- Inspection, Maintainability and Testing
- Advanced Materials
- Surface Technologies

#### 4. Information and Communication Technologies

- System Architecture
- Component Based Systems Engineering
- Process Oriented System Design
- Integration Process for Embedded Systems
- Wireless Communication

## PROGRAM

### PAPER SUBMISSION

Authors are invited to submit their abstract (max. 1 page), including the author's full contact information (name, mail address, and telephone), using the online submission facility on the congress website <http://ast.tuhh.de> no later than September 15, 2016.

### COMMITTEE

Claus Emmelmann, Otto von Estorff, Bodo Fiedler, Ralf God, Volker Gollnick, Wolfgang Hintze, Dieter Krause, Benedikt Kriegesmann, Thomas Rung, Gerhard Schmitz, Thorsten Schüppstuhl, Christian Schuster, Frank Thielecke, Andreas Timm-Giel, Volker Turau, Jörg Wollnack

Wolfgang Gleine, HAW Hamburg,  
Jean-Charles Maré, INSA Toulouse,  
Delf Sachau, HSU Hamburg

## COMMITMENT AND COOPERATION

### HAMBURG – THE PLACE FOR AVIATION

The Northern German metropolitan region ranks alongside Seattle and Toulouse as one of the world's leading centres for civil aviation. Airbus Deutschland, Lufthansa Technik, and Hamburg Airport are the biggest employers of skilled workers, but if one includes the roughly 300 small and medium-sized companies that supply aviation parts, the total number of jobs in the industry rises to over 30,000. The range of available industrial apprenticeships and university places in the field of aviation is continually expanding and every effort is made to nurture young talents. This commitment has its own reward, having contributed to the Northern German aviation industry's world-class reputation.

### COOPERATION WITH INSA TOULOUSE

Considering that Hamburg and Toulouse are well established as two key aerospace cities in Europe, the organizers of the AST and R3ASC (Recent Advances in Actuation Systems and Components, Toulouse) conferences have decided to associate their events. The AST and R3ASC conferences alternate, AST being held every odd year while R3ASC takes place every even year. In such a way, scientists and engineers have the opportunity to communicate or to get informed on the latest developments in aircraft systems every year.