

WELCOME

TO THE WORKSHOP AST 2011

After the great successes in 2007 and 2009, the Hamburg University of Technology invites for the 3rd International Workshop on Aircraft System Technologies AST 2011. 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

CONTACT

TO THE WORKSHOP AST 2011

Conference Chairs

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Conference Co-Chair

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Conference Secretariat

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Important Dates

- **Deadline for extended abstracts (2 pages):** October 15, 2010
- **Notification of acceptance:** November 15, 2010
- **Deadline for early registration:** November 30, 2010
- **Deadline for final paper:** January 01, 2011
- **Registration deadline:** February 28, 2011

Registration

Registration will be possible after August 01, 2010 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.tu-harburg.de>

CALL FOR PAPERS

AST 2011

3RD INTERNATIONAL WORKSHOP ON
AIRCRAFT SYSTEM
TECHNOLOGIES

MARCH 31 – APRIL 01, 2011
HAMBURG, GERMANY

Redaktion: Stephan Lippert, Otto von Estorff, Gestaltung: www.fornlabor.de, Bilder: istockphoto



MAIN TOPICS

AIRCRAFT SYSTEM TECHNOLOGIES 2011

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 a two-page extended abstract, including the author's full contact information (name, mail address and telephone) to the Workshop Secretariat no later than October 15, 2010.

COMMITTEE

Joachim Albrecht, Ralf God, Claus Emmelmann,
Otto von Estorff, Volker Gollnick, Wolfgang Hintze,
Ulrich Killat, Dieter Krause, Gerhard Schmitz, Karl Schulte,
Frank Thielecke, Volker Turau, Uwe Weltin

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 now 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. In the future, the AST and R3ASC conferences will alternate, AST being held every odd year while R3ASC will take place every even year. In such a way, scientists and engineers will have every year the opportunity to communicate or to get informed on the latest developments in aircraft systems.