

WELCOME

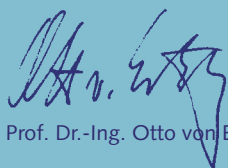
TO THE WORKSHOP AST 2007

Following the demand of many scientists, experts, and leading companies, the Hamburg University of Technology invites for an International Workshop on Aircraft System Technologies AST 2007. The two day event taking place in Hamburg 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.



Prof. Dr.-Ing. Otto von Estorff

CONTACT

TO THE WORKSHOP AST 2007

Conference Chair

Prof. Dr.-Ing. Otto von Estorff

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AST 2007-Workshop Secretariat

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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, 2006.

Important Dates

- **Deadline for extended abstracts (2 pages):** October 15, 2006
- **Notification of acceptance:** November 15, 2006
- **Deadline for early registration:** November 30, 2006
- **Deadline for final paper:** January 05, 2007
- **Registration deadline:** February 28, 2007

Registration

Registration will be possible after August 01, 2006 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 this 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 2007

INTERNATIONAL WORKSHOP ON AIRCRAFT SYSTEM TECHNOLOGIES

**MARCH 29 – 30, 2007
HAMBURG, GERMANY**

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MAIN TOPICS

AIRCRAFT SYSTEM TECHNOLOGIES 2007

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 Management

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

5. Safety and Security

- Airworthiness and Certification
- Reliability, Fault Tolerance and Maintainability
- Man-Machine Interface
- On Board Aircraft Security

6. Airport Traffic Management

- Taxi Guidance and Control
- Airport Process Management
- Airport Surveillance
- Radar Sensors and Communications

Scientific Committee:

Udo Carl, Otto von Estorff, Klaus Rall, Hermann Rohling, Gerhard Schmitz, Karl Schulte, Volker Turau, Friedrich Vogt

COMMITMENT AND COOPERATION

HAMBURG – THE PLACE FOR AVIATION

Hamburg – heading for further success in aviation

The North 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.

Dynamic growth on the river „Elbe“

All the signs point to further growth. Hamburg's aviation industry is to play a major role in the development and construction of the A380, the new flagship Airbus and largest passenger aircraft in the world. Hamburg has developed a range of programmes especially designed to promote and assist aviation companies. 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 talent. This commitment has its own reward, having contributed to the North German aviation industry's world-class reputation.