Proceedings of the
2nd International Workshop on
Aircraft System Technologies

March 26-27, 2009, Hamburg, Germany
WELCOME

After the great success in 2007, the Hamburg University of Technology is very pleased to welcome you to the 2nd International Workshop on Aircraft System Technologies AST 2009.

Once more, the event takes place in Hamburg. The North German metropolitan region ranks alongside Seattle and Toulouse as one of the world’s leading centers for civil aviation. On one hand, the range of available industrial apprenticeships and university programs in the field of aviation is continually expanding and every effort is made to nurture young talents. On the other hand, R&D activities are promoted in different ways, for instance, by the joint initiative “Hamburg - The place for aviation”. Only very recently, this initiative has been the starting point for a common application to become one out of five German “Spitzencluster” sponsored by the Federal Ministry of Education and Research. Hamburg has been successful and is currently in the process of starting a unique collaborative network, where industry, universities, and government work together on innovative ideas and developments in the field of future aircrafts. Major objectives are to strengthen the region, to further improve employment, and to support Hamburg’s worldwide recognition.

What is new this year? Considering that also Toulouse is well established as a key aerospace city in Europe, the event is organized in close cooperation with the Institut National des Sciences Appliquées de Toulouse. In fact, 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 the 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.

The proceedings of the present AST 2009 comprise more than 40 selected contributions, which address the fields of Airframe Systems and Equipment, Materials and Production as well as Cabin and Comfort. For practicing engineers and scientists working in one of these areas the proceedings will be a valuable source of information.

As the responsible organizers of the workshop, we would like to thank all the authors for their contributions to the event and their efforts to make the proceedings such a complete work. We also would like to extend our gratitude to the colleagues of the program committee and the organizing team for their great support and cooperation. Finally, we would like to express our sincere appreciation to the sponsoring and supporting companies, institutions, and associations making this workshop possible.

On behalf of the organizers we wish all participants a fruitful meeting, many interesting discussions, and a pleasant stay in Hamburg.

Otto von Estorff – Frank Thielecke
Conference Chairmen AST 2009
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