

ABSTRACT FORM

Title: _____

Author(s): _____


Organisation: _____

Text (between 400 and 500 words including key figure(s)):

KATnet II Conference on
Key Aerodynamic Technologies

To Meet the Challenges of the European 2020 Vision

Announcement and Call for Papers

12-14 May 2009 
Hilton Hotel Bremen,
Germany

www.kat-net2009.com

Sponsored by:

EU European Union

Co-sponsored by:

AAAF
Association Aéronautique et Astronautique de France

AIAE
Asociación de Ingenieros Aeronáuticos de España

AIDAA
Associazione Italiana di Aeronautica e Astronautica

DGLR
Deutsche Gesellschaft für Luft- und Raumfahrt
– Lilienthal-Oberth e.V.

FTF
The Swedish Society of Aeronautics and Astronautics

HAES
Hellenic Aeronautical Engineers Society

NVvL
Nederlandse Vereniging voor Luchtvaarttechniek

RAeS
The Royal Aeronautical Society

SVFW
Swiss Association of Aeronautical Sciences

SCOPE

In the European Vision for 2020, the Group of Personalities formulated a clear set of requirements for civil transport aircraft operations which strive for the following specific goals:

- five-fold reduction in accidents
- halving perceived aircraft noise
- 50% cut in the CO₂ emission per passenger-km
- 80% cut in the NO_x emission
- air traffic system capable to handle 16 million flights per year
- 99% of all flights within 15 minutes of timetable.

The theme of the conference is to present and discuss key aerodynamic technologies that open up to meet the challenges of this vision.

OBJECTIVES

To provide a comprehensive survey of the status that has been reached relative to the 2020 goals in the key disciplines of aerodynamics, KATnet II plans to organise a conference on Key Aerodynamic Technologies to meet the Challenges of the 2020 KATnet II European Vision, set up as successor of the thematic networks DragNet, TRA3 and KATnet, covers all relevant aerodynamic technologies for aircraft performance improvement including low and high speed aerodynamics as well as advanced flow control technologies.

This conference builds upon the CEAS/DragNet European Drag Reduction Conference held in Potsdam, Germany in 2000, the CEAS/TRA3 Aerospace Aerodynamics Research Conference held in Cambridge, UK in 2002 and the CEAS/KATnet Conference on Key Aerodynamic Technologies held in Bremen, Germany in 2005.

The main objectives of the conference are:

- to present and discuss novel ideas, RTD results and technology integration and validation experiences of aerodynamic technologies to support the completion of the 2020 goals;
- to provide a forum for the presentation and discussion of RTD results and experiences particularly achieved in EU projects, GARTEUR groups, ERCOFTAC SIG's as well as in national and industrial initiatives;
- to address interdisciplinary aspects of design and system integration, structures, materials, manufacturing, operations and maintenance;
- to bring together aerodynamic professionals from industry, research establishments, and academia with authorities from politics, administration, commerce, and science for a common view on the required aerodynamic efforts in order to shape the priorities and demands for the future aerodynamic research.

MAIN TOPICS

It is proposed that the conference will cover all aspects of research, development and application of aerodynamic technologies that can contribute to the 2020 goals of civil transport aircraft operations.

- **High Speed Aerodynamic Technologies**
- **Low Speed Aerodynamic Technologies**
- **Aerodynamics of Novel Configurations**
- **Separation Control Technologies**
- **Drag Reduction Technologies**
- **Multi-Disciplinary Design Optimisation**
- **Advanced Flow Control Technologies**

CALL FOR PAPERS

The programme committee invites prospective authors to submit abstracts of papers for the presentation at the conference. Abstracts should be written in English and comprise between 400 and 500 words including key figures. Authors submitting abstracts should complete the attached form and direct it, along with the abstract (preferably in PDF format or MS Word), to the conference secretariat by e-mail.

In addition to full length papers, authors are also invited to submit abstracts for poster sessions. During the conference, the opportunity for a five-minute oral presentation of these posters will be given.

On the basis of the submitted abstracts, the programme committee will select papers for the inclusion in the conference programme. Papers emphasising techniques for meeting the 2020 goals will be favoured. The conference proceedings will be edited after the conference. All speakers are requested to provide their paper before the conference. The publication requirements will be announced together with the notification of the authors.

DEADLINES

30 Nov 2008	Deadline for the receipt of abstracts
19 Dec 2008	Notification of authors
30 Jan 2009	Publication of the conference programme
30 Apr 2009	Submission of the papers

PROGRAMME COMMITTEE

Dr. G. Schrauf, Airbus, Bremen	Chairman
Prof. J. Fulker, QinetiQ, Bedford	Co-chairman
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Prof. C. Warsop, BAE SYSTEMS, Bristol	

CORRESPONDENCE

All technical enquiries should be addressed to the conference secretariat:

Prof. Carsten Holze
machtWissen.de AG

Fahrenheitstraße 1
D-28359 Bremen, Germany

Tel: +49 421 2208 266
Fax: +49 421 2208 267
E-Mail: carsten.holze@kat-net2009.com

Call for Papers

KATnet II Conference on Key Aerodynamic Technologies 12 – 14 May 2009, Bremen, Germany

Please complete this form and return it together with an abstract of between 400 and 500 words including key figure(s) to:

machtWissen.de AG
Fahrenheitstraße 1
D-28359 Bremen, Germany

Email: carsten.holze@kat-net2009.com

Fax: +49 421 2208 267

Internet: www.kat-net2009.com

Deadline: 30 November 2008

Title of Paper

For Presentation as

Oral Paper

Poster

Topic Category

Principal Author

Title	First Name	LastName	Middle Initials
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Organisation

Street / Postbox	Postcode	City	Country
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Phone	Fax	Email
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Associate Author(s)

Title	First Name	Last Name	Middle Initials	Organisation
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Requirements for Oral Presentation

Overhead Projector

Video Beamer

Slide Projector

Any Others (Please Specify)

Date:

Signature: