

## Program

### Tuesday, 11 November 2008

from 12:00 h Arrival and informal get-together

14:00 h Opening

#### General Aspects

14:30 h P. Hamel,  
formerly DLR Institute of Flight Systems

" A Selected Review of Flying Qualities  
Research at DLR"

15:15 h R. Smith,  
Consultant, NTPS, formerly NASA Dryden

"Handling Qualities Overview - A Practical  
Perspective"

16:00 h Break

16:15 h Discussion

17:00 h End of first day

19:00 h Reception

### Wednesday, 12 November 2008

#### Session I

8:30 h R. Osterhuber, M. Hanel, H.-Chr. Oelker,  
EADS Military Air Systems

"Status of Handling Qualities Treatment  
within industrial Development Processes  
and Outlook for future Needs"

8:45 h H. Duda, DLR Institute of Flight Systems  
"Observations on Air and Road Vehicle  
Handling Qualities"

9:00 h A. V. Efremov, Moscow Aviation Institute  
"Moscow Aviation Institute Experience on  
Pilot-in-the-Loop Investigations"

9:15 h A. Lambregts, FAA  
"Direct Flight Path Control and the Need  
for an Adapted Pilot Model"

9:30h Discussion for Session I

10:00 h Break

#### Session II

10:30 h R. Hess, University of California Davis  
"A Multi-Axis Pilot Model with Applications  
to Aircraft Handling Qualities Assessment"

10:45 h A. Kokolios, S. Naylor, NAVAIR  
"Modelling Pilot Inputs using CASTLE"

11:00 h O. Stroosma, TU Delft  
"TU Delft's Cybernetic Approaches to  
Handling Qualities Research"

11:15 h D. Bieniek, S. Amelsberg, A. Schönfeld,  
R. Luckner, TU Berlin  
„Pilot Models for Wake Vortex Encounter  
Assessment“

11:30 h Discussion for Session II

12:00 h Lunch

#### Session III

14:00 h W. Gray, USAF Test Pilot School  
"Identifying and Modelling Boundary  
Avoidance Tracking"

14:15 h M. Hanel, R. Osterhuber, EADS Military  
Air Systems  
"Discussion of typical Problem Areas in  
Handling Qualities within industrial Aircraft  
Development (Roll Ratcheting, Flight Path  
Display Dynamics)"

14:30 h D. Ossmann, O. Brieger, DLR Institute of  
Flight Systems  
"Development of a Pilot Model for Air-to-  
Surface Tracking from Flight Test Data"

14:45 h M. Turner, University of Leicester  
"Application of a Pilot Model within the  
SAIFE Flight Test Experiment

15:00 h Discussion for Session III

15:30 h Break

15:45 h Final Discussion, Résumé, Closing

16:30 h End of Workshop

### Thursday, 13 November

Factory tours, to be announced later

## Registration/ Participation

Workshop participation is free of charges. For participa-  
tion **prior registration with the organiser is manda-  
tory!** Please send your registration with all of the fol-  
lowing data:

Name, Organisation, Address, Tel. and Fax Nr,  
e-mail Address, Nationality, Nr. of Passport

until **24 October 2008** to

Dr. Hans-Christoph Oelker  
(please see contact data overleaf).

**Admission to EADS Military Air Systems Manching  
Aerospace Centre can only be granted with prior  
registration and presentation of passport.**

**Taking photos onsite is absolutely prohibited.  
Please do not bring cell phones with cameras with  
you!**

## Organising Committees of DGLR

### T5.2 Flugeigenschaften und Flugversuch

Dr.-Ing. Hans-Christoph Oelker  
 EADS Military Air Systems-Flight Test  
 Rechliner Str.  
 85077 Manching  
 Tel.: +49 (8459) 81-64474  
 Fax: +49 (8459) 81-65101  
 eMail: [hans-christoph.oelker@eads.com](mailto:hans-christoph.oelker@eads.com)

Dipl.-Ing. Oliver Brieger  
 DLR Institute of Flight Systems,  
 Flight Test Detachment,  
 c/o GB200, WTD 61, Flugplatz,  
 D-85077 Manching,  
 Tel.: +49 (8459) 80-2523  
 Fax.:+49 (8459) 80-3085  
 eMail: [oliver.brieger@dlr.de](mailto:oliver.brieger@dlr.de)

### T5.1 Flugleistungen und Bahnmechanik

Dr.-Ing. Klaus-Uwe Hahn,  
 DLR-Institut für Flugsystemtechnik  
 Postfach 32 67  
 38022 Braunschweig

### T5.3 Flugregelung und Navigation

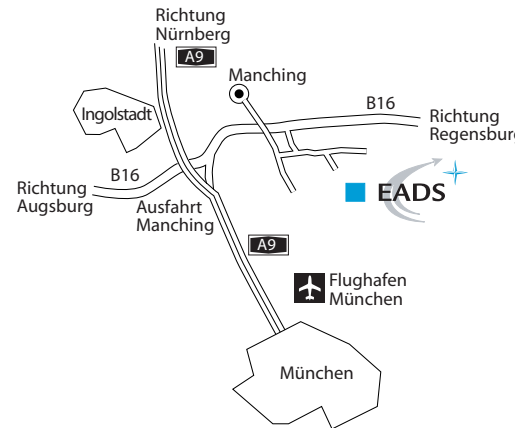
Dipl.-Ing. Harald Buschek, Ph.D.  
 Diehl BGT Defence GmbH & Co. KG  
 Alte Nußdorfer Str. 13  
 88662 Überlingen

## Acknowledgement

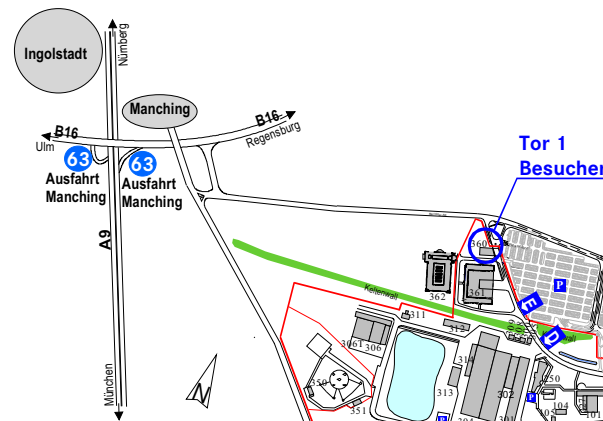
DGLR is grateful for the support given by the Technova-  
 tion Centre of EADS Military Air Systems in getting this  
 event realised!

## Location

### Overview



### Detail



**DGLR  
 International Workshop  
 hosted by  
 EADS Military Air Systems**

## The Role of Pilot Modelling in Evaluation of Handling Qualities

from

**11 to 13 November 2008**

in

**Manching**

at

**EADS Military Air Systems**