



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

Wissenschaftlich-Technische Vereinigung

## Call for Papers

**Deutscher Luft- und  
Raumfahrtkongress 2001**

German Aerospace Congress 2001

in  
Hamburg  
17. bis 20. September 2001

English Version  
(English lectures are welcome)

## CALL FOR PAPERS

The DGLR 2001 Aerospace Congress will be held in Hamburg from 17 to 20 September 2001 under the heading

### **Aerospace Systems - Made in Germany German Technology in International Competition**

After the immense challenges and triumphs of recent years, German aerospace technology has become firmly established on the world market, both in terms of research and industry in Europe.

The foundation of EADS and Astrium represent milestones in restructuring the European aerospace industry. Attractive and competitive programmes, such as Eurofighter, A3XX, A400 M, Ariane launchers and Tiger helicopters have also made a substantial contribution towards securing its future.

European and international co-operation is essential for these and numerous other successful products. It is the only way to meet future challenges, such as increased traffic, user optimisation, environmental compatibility or economic efficiency.

The same applies to aerospace research, where new standards are being set through close co-operation with industry and research facilities like DLR institutes, CNES, ONERA or NLR, as part of the EREA collaboration.

This type of co-operation with European and other international partners builds on the innovative and working strength of German scientists and engineers. However, even at this stage, it is clear that we are going to need more young aerospace engineers than seem to be currently available on the labour market. It follows that the challenges facing education and university courses in aerospace technology are equally as important as those facing research and industry.

In keeping with the motto of our congress, the 2001 German Aerospace Congress focuses on the above topics in conjunction with individual projects. The intention is to relate these topics to subjects concerning the users and operators of aerospace products as well as to industrial leading concepts. In addition, we are inviting experts from other important fields of aerospace technology to submit their contributions.

DGLR solicits abstracts for conference contributions on the following topics:

- Environmental aspects
- Safety aspects in aviation and astronautics
- Air traffic systems and infrastructure
- Air transport systems, such as, for instance, Megaliner, Regioliner, rotorcraft, airships
- Propulsion for aircraft and spacecraft
- Space transport systems, orbital systems and space missions
- Satellite communication and navigation
- Earth observation and research satellites
- Flight physics, aeroelasticity and aeroacoustics
- Flight control, avionics and man-machine integration
- Aerostructures and structural technologies, materials
- Multi-disciplinary simulation and optimisation
- Mechatronic systems and artificial intelligence

According to its motto, it is the objective of the German Aerospace Congress 2001 to place its main emphasis on the topics

mentioned above related to specific projects or programs. In particular, reference will be made to the leading industrial aerospace concepts. Nevertheless, technical papers covering other essential aerospace disciplines are also invited.

The DGLR asks for contributions particularly to the following main topics:

### **Deadline for receipt of abstracts: March 16, 2001**

Abstracts of the proposed papers should be sent to the **DGLR Office, Godesberger Allee 70, 53175 Bonn, Germany** (see attached form).

The Programme of the German Aerospace Congress (oral presentations and posters) will be structured by the Programme Committee according to the criteria of scientific originality under consideration of the above topics.

Besides the usual oral presentations, a Poster Session will also be offered giving the authors the opportunity to introduce their accepted Poster Contributions in short presentations (five minutes each). The scientific quality of these contributions should not be inferior to the papers presented in the technical congress sessions. The DGLR asks all authors to use this forum for the presentation of their contributions as well, for example in combination with small exhibits.

All authors will be informed about the acceptance of their contribution by **May 14, 2001**.

With receipt of the paper, the DGLR will be granted the copyright. The oral presentations and posters will be published in the "DGLR-Jahrbuch 2001" and on CD-ROM. For this purpose, the authors are asked to prepare their papers resp. their poster presentations as camera-ready manuscripts in DIN-A4-Format. The submitted manuscripts shall not exceed 10 single-space, two-column DIN-A4 pages. Guidelines for the preparation of a camera-ready version for offset-printing as well as details regarding file formats for electronic processing will be provided by the DGLR Office in due time.

The manuscripts must be available at the DGLR Office until **July 5, 2001**.

The **Programme Committee** consists of the following Members:

Dr.-Ing. J. Szodruich, Hamburg, Vorsitzender  
Prof. Dr.-Ing. U. Apel, Bremen  
Dr.-Ing. R. Benz, Friedrichshafen  
Dipl.-Ing. K. Berge, Bonn  
Dipl.-Ing. R. Henke, Bremen  
Prof. Dr.-Ing. H.G. Hönlinger, Göttingen  
Prof. Dr.-Ing. J. Hourmouziadis, Berlin  
Prof. Dr.-Ing. W. Koschel, Lampoldshausen  
Dr.-Ing. J. Krammer, München  
Prof. Dr.-Ing. D. Schmitt, München  
Dr.rer.nat. P. Vits, Bremen

### **Remarks:**

Please note that - as practised internationally - payment of the Conference Fee applies also to Authors and Session Chairmen as the financing of the Congress has to be covered solely by this budget.

Please send to:

**Deutsche Gesellschaft für Luft- und  
Raumfahrt - Lilienthal-Oberth e.V. (DGLR)  
Godesberger Allee 70  
D-53175 Bonn**

Deadline: **March 16, 2001**

Topic Category for submitted paper:

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The Paper is submitted for Oral Presentation

as Poster   
(with short five-minute presentation)

Please mark Visual Aid Requirements :

Data Beamer

Overhead Projector

Video Projector (VHS)

Slide Projector   
(usual 5 x 5 cm format)

Any other Requirements:

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Name

Organisation

Address

Phone/Fax

E-Mail


**With the acceptance of the submitted contribution as oral presentation/poster the authors oblige themselves to participate in the Congress and to give the presentation.**

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Date

Signature

**Abstract of submitted paper** (Please do not exceed one DIN-A4 Page and adhere to the following Outline:)

Title	>
Author presenting the paper	>
Co-Author(s)	>
Organisation	>
Abstract	>

Please add 1-2 characteristic diagrams to illustrate the scientific quality of the contribution and to help the Programme Committee with the selection process.