



**Advisory Council for Aeronautical Research  
in Europe, ACARE**



**“What Changes are needed in European Aerospace Engineering  
Education to assure the Quality of the Future Engineering Workforce?”**

**Actions needed to reach the Ambitious Goals of the ACARE Vision 2020”**

# **Invitation to a European Workshop on the Future of Aerospace University Education**

**“What changes are needed in European Aerospace  
Engineering Education to assure the Quality of the  
Future engineering workforce?”**

**14<sup>th</sup> May, 2004**

**from 9.00 - 13.00 hrs**

**At DLR Adlershof in Berlin,  
Germany**

**Deutsches Zentrum für Luft- und Raumfahrt e.V. / German Aerospace Center  
Berlin-Adlershof  
Rutherfordstrasse 2  
12489 Berlin – GERMANY**



**Department of Mechanical Engineering and  
Aeronautics University of Patras**



**Ecole Nationale de Mécanique et  
d'Aérotechnique (ENSMA)Potiers**



**T.U München, ILR Institut für Luft-  
und Raumfahrt**



**Department of Aerospace Engineering**





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### **“What Changes are needed in European Aerospace Engineering Education to assure the Quality of the Future Engineering Workforce?”**

#### **Actions needed to reach the Ambitious Goals of the ACARE Vision 2020”**

The Workshop will be held in Berlin on 14 May 2004 (during ILA) from 9.00-13.00 hrs. There will be ample time provided for discussion with stakeholders from industry, research establishments and academia. The results of the discussion will be used to formulate action items to be included in the ACARE Strategic Research Agenda 2 and to make recommendations for actions to be funded in the 7<sup>th</sup> Framework Programme of the European Union.

#### **Introduction**

A "Group of Personalities" formulated in 2001 the "Vision 2020" setting objectives for the development of the European Air Transport System in the year 2020. Based on this Vision 2020 the Advisory Council for Aeronautics Research in Europe (ACARE) was established. ACARE is in the process of formulating a second Strategic Research Agenda (SRA-2) for Aeronautics in Europe. A first version of this agenda (SRA-1) was published in 2002.

An "Education Study" is being performed on behalf of ACARE that should provide the European Aeronautics sector with a view on the future educational needs of the stakeholders and the ways in which the education community could and should respond to these needs.

The employers to be consulted will comprise the "industry" in a broad sense: such as engine-, equipment- and airframe-industry, SME's, research establishments, airports, airlines, ATM providers, regulators, etc. The primary focus will be on the civil aeronautics requirements and the next framework programme of the European Union.

#### **The Study Group**

The Study Group, set up to prepare recommendations on the theme, is composed of representatives from EASN (European Aeronautics Science Network), PEGASUS (the Partnership for a European Group of Aeronautics and Space Universities), AECMA (European Association of Aerospace Industries), NLR (National Aerospace Laboratory) and DLR (Deutsches Zentrum für Luft- und Raumfahrt e.V.). Co-ordinator of the Study is Prof. Dr.Ir. J.L. van Ingen, emeritus Dean of Delft Aerospace, the Faculty of Aerospace Engineering of Delft University (NL).

In order to obtain the views of academia and future employers (in the broad sense as indicated above) the Study Group developed a questionnaire that was distributed to a wide circle of stakeholders.

#### **Workshop Objectives**

At this Workshop the results and the findings of the study will be presented and discussed with the aim to formulate a set of concrete recommendations. These recommendations should lead to concrete plans to be executed in close co-operation between the "industry" and academia with support from the European Commission

#### **Details on this ACARE Workshop on Aeronautical Education 14<sup>th</sup> May 2004**

Detailed information about the workshop and the organization can be found on the following Websites: <http://www.acare4europe.org> or <http://www.easn.net>.

#### **EASN Workshop on Aeronautical Research 12<sup>th</sup> - 13<sup>th</sup> May 2004**

For more information please refer to the EASN Internet site: <http://www.easn.net>.



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## **Programme, Friday, 14<sup>th</sup> May, 2004**

- 8:00            **Registration, Welcome Coffee**
- 9.00-9.05     **Opening by the Study Co-ordinator and Chairman of the day**  
Prof. van Ingen
- 9.05-9.10     **Word of welcome on behalf of the host organisation DLR**  
Prof J. Szodruich, Member of the Executive Board of DLR
- 9.10-9.30     **Introduction**  
Jack Metthey, Director for Space and Transport, DG Research,  
European Commission
- 9.30-9.45     **Background to the Education Study:  
What does ACARE expect from it?**  
Prof. Dieter Schmitt, Vice President, Research & Future Projects,  
Airbus Toulouse (invited)
- 9.45-10.15   **Preliminary results of the questionnaire and a summary of  
possible recommendations to ACARE**  
Prof van Ingen, Study co-ordinator
- 10.15-10.30   **The reaction of PEGASUS on the preliminary results of the Study  
and its role in the realisation of the educational aspects of SRA-2**  
Prof. Gianfranco Chiocchia, Chairman of PEGASUS
- 10.30-10.45   **The reaction of EASN on the preliminary results of the Study and  
its role in the realisation of the education related research  
aspects of SRA-2**  
Prof. Spiros Pantelakis, Scientific co-ordinator of EASN
- 10.45-11.15   **Coffee Break**
- 11.15-11.30   **Employers' view**  
Speaker to be announced
- 11.30-13.00   **Panel discussion about various topics including interaction with  
the audience**  
**Moderator:** Prof. J. Szodruich, Chairman of the Association of  
European Research Establishment in Aeronautics, EREA

13:30

**Lunch Possibility**



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