

LECTURE CYCLE « OF AIR AND SPACE » - BRUSSELS

organised by AIR AND SPACE ACADEMY

at the Académie Royale de Belgique

Palais des Académies - Salle Prigogine - Rue Ducale 1 [Metro Station Trône]

Wednesday 28 November 2012 at 12:30 pm



## Flying in 2050

By **Alain Garcia**

*Vice-president of the Air and Space Academy and President of its Foresight Commission, former Airbus Executive Vice President of Engineering*

### Abstract

Air transport must face major challenges in order to meet needs in terms of passenger and freight transportation in Europe and worldwide within a 2050 timeframe. For the past three years the Air and Space Academy has been analysing the requirements that must be satisfied in order to meet these challenges. The speaker will present the results of this work.

After identifying market needs as closely as possible by means of an original model, the speaker will go on to analyse the quality of service expected, possible solutions and their consequences on the availability of energy at a reasonable price, the risks of congestion of infrastructures, air traffic management and greater use of space services and the effects on the environment.

### Short biography



#### **Alain GARCIA**

**Aérospatiale** from 1966 to 1994, responsible for propulsion systems then Engineer in chief for the A330-A340 programme.

**Airbus Industrie** from 1994. Senior Vice Président Engineering from 1997 to 2001.

**Airbus SAS**, from 2001-2007, Executive Vice President Engineering, member of Executive Committee in 2006.

Retired from Airbus in 2007.

Former Lecturer in thermodynamics and propulsion at ENAC, Toulouse IUT, SupAéro.

Former member of Onera High Scientific Council.

Currently Managing director of NOVATION AERO Consulting and Administrator of Dassault Aviation.

### Forthcoming event of Air and Space Academy:

**Matériaux aéronautiques  
d'aujourd'hui et de demain**

Amphithéâtre SAGEM - Le Ponant - 27 r. Leblanc - 75015 Paris



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