



## **Message from the President of the International Council of the Aeronautical Sciences**

Civil aviation is a primary enabler for global wealth creation and it improves the quality of life for many millions of people. It broadens access to existing markets and creates new opportunities. It promotes international awareness, understanding and tolerance. Military aviation helps to maintain world peace, with uninhabited airborne systems playing an ever increasing role in the fight against international terrorism. However, aviation is also one of the sources of the pollution that is producing climate change and, because demand for air transport is growing, the contribution to global warming is growing. Therefore, in order to guarantee that the benefits of aviation can be fully exploited by society and that aviation can grow without limitation, timely, practical solutions are urgently needed to problems in many areas. Amongst these are improvements in aviation safety and security, reductions in noise and emissions and increases in airspace and airport capacity.

Today's challenging global economic situation combined with rapidly growing concerns over climate change is increasing the political awareness of aviation and driving the research agenda. It has never been more important for the aeronautics community to recognize the benefits of aviation and to communicate them to politicians, decision makers, leaders of industry and the general public. Moreover, 21<sup>st</sup> century aviation is a complex system with a worldwide network of stakeholders and, in an intensely competitive world, international collaboration becomes increasingly important and to secure its future the sector must continue to attract the most able engineers and scientists. These people must be educated, trained, motivated and they must be exposed to international issues and to the views and ideas of the wider aeronautics community.

The ICAS Congress provides a unique, global forum for scientists, engineers and students, from industry, government agencies and universities to meet, to learn, to debate and to share ideas and technical information. This helps to create a stronger international network, to develop a collective awareness of the most important issues and to build those relationships that are critically important to the success of our industry, the creation of new knowledge and the advancement of our profession.

The "Call for Papers" for ICAS 2010 produced a record response with over 700 submissions coming from around 40 countries. These were carefully reviewed by the ICAS Programme Committee and approximately 430 papers were selected for oral presentation in a conference with 11 parallel tracks. The programme has also been supplemented with a number of invited "General Lectures" on topics of special significance being delivered by internationally renowned experts. The calibre of the authors and the range and quality of work is outstanding; making ICAS 2010 a major event in the aeronautics calendar.

ICAS is delighted that the Association Aéronautique et Astronautique de France is hosting the 27<sup>th</sup> ICAS Congress in Nice. The city is an excellent venue and, on behalf of the Council, I thank the hosts for accepting this substantial organizational task. Finally, I extend my thanks to all the authors and session chairs, who are bringing their expertise and sharing their ideas.

I hope that you will find ICAS 2010 to be a stimulating, profitable and memorable event.

***Ian Poll, ICAS President***

## **Message from the President of the French Society of Aeronautics and Astronautics (3AF)**

I am very pleased to invite you to attend the 27<sup>th</sup> Congress of ICAS, to be held in France and hosted by the French Society of Aeronautics and Astronautics (3AF).

Celebrating the 27<sup>th</sup> Congress of ICAS, this prestigious event is gaining increasing recognition in the field of aeronautics. We are therefore proud to present a technical programme including around 650 high quality papers and a series of lectures held in 11 parallel session tracks.

The Congress will be held in the Acropolis Convention Centre of Nice. Located in Southern Europe at the south eastern extremity of France, Nice is a privileged crossroads between the Alps, Provence Corsica and Italy. The city occupies an exceptional natural site in the heart of the French Riviera.

I look forward to meeting you in September at the 27<sup>th</sup> ICAS Congress in Nice.

***Michel Scheller, 3AF President***