



Second Announcement & Call for papers
1st International Conference on Research
in Air Transportation [ICRAT 2004]
“focused on Young Researchers”
November 22-24 2004, Zilina, Slovakia

Sponsored and organized by:
Eurocontrol Experimental Centre (EEC, France) & University of Zilina (Slovakia)

The European Union is soon to undergo significant changes with the accession of ten new member states, bringing the population to 560 million. The accession of these new member states will vastly enhance the potential mobility of their citizens, offering both new employment and leisure possibilities. As a consequence, significant regional growth in air transport demand can be expected, necessitating improvements to air traffic management procedures and infrastructure.

The trend in Europe, and indeed all around the world, indicates that young graduates are reluctant to invest their time and knowledge in Research and Development, preferring instead the more dynamic career possibilities offered within industry. Research in air transport has not been immune to this situation and consequently there is a necessity to foster certain skill sets and also to improve levels of international collaboration. In so doing, the Research and Development community and particularly those sponsoring the work, will benefit from more targeted research, reduced overlap and optimisation of capital expenditure.

Against this background, the University of Zilina Air Transportation Engineering Department (Slovakia), in collaboration with EUROCONTROL, is organising an international conference to bring together young researchers from Eastern European countries and all over the world in order to share their work in a friendly and

supportive environment. This conference, taking place in the heart of the ‘new Europe’, where significant growth in the volume of air transport is expected in the coming years aims to address a wide range of research topics from the physics of flight through to issues of human factors. The conference will also place considerable emphasis on the development of future concepts and will seek innovative ideas in the domain of future airport developments and more integrated transport networks.

Within such an environment, researchers will be able to share their experiences, expand their professional network and consequently to improve their work. All submitted conference papers will be reviewed by a number of prominent members and decision makers within the air transportation community. All selected papers will be published in the proceedings of the conference.

Who should attend:

To submit and present a paper: young researchers with no more than 10 years of work experience, master and doctoral students,

To attend: engineers and all academics, professionals and practitioners involved in air transport and anyone interested to learn or widen her/his horizon.

General Chair:

George Donohue (George Mason University)

Co-Chair: Antonin Kazda (University of Zilina)

Program chair: Vu Duong (EEC)

Local organiser: Andrej Novak (University of Zilina)

Topics sought:

- Airport design and operations
- CNS / ATM
- Human factors
- Aerostructures, Aerodynamics, Propulsion
- Safety and Security
- Airline operations and marketing
- Decision support tools
- Environment
- Future concepts (innovative ideas)

Program committee (tentative):

Giovanni Andreatta (University of Padova, IT)
Philippe Baptiste (Ecole Polytechnique, FR)
Bernard Miaillier (Eurocontrol HQ, BE)
Kevin Corker (San Jose University, USA)
Philippe Debels (CRDS Budapest, HU)
Nicolas Durand (CENA, FR)
Laurent El Ghaoui (University of Berkeley, USA)
Hartmunt Fricke (University of Dresden, DE)
John Hansman (MIT, USA)
Karel Havel (University of Zilina, SK)
Ian Humphreys (Loughborough university, UK)
Goert Luedtke (DLR, DE)
Jean-Luc Marchand (European Commission, BE)
Dritan Nace (TUCompiègne, FR)
Antonin Pistek (VUT Brno, CZ)
Christian Pusch (EEC, FR)
Jozsef Rohacs (TU Budapest, HU)
Lance Sherry (George Mason University, USA)
Ladislav Smrcek (University of Glasgow, UK)
Monica Tavanti (University of Uppsala, SE)
Callum Thomas (ARIC - Manchester MU, UK)
Vojin Tosic (University of Belgrade, YU)
Rudolf Volner (CVUT Prague, CZ)

Important dates:

15th June 2004 – deadline for submission of extended abstracts (1 page)

15th July 2004 – notification of acceptance

31st August 2004 – submission of final papers (camera ready)

22nd November 2004 – Conference start

Contact:

<http://www.icrat.org> (from 1st of April)
icrat2004@icrat.org

Paper submission:

Authors are invited to submit their extended abstracts, not more than 1 page, written in English, presenting the results of their research, or of their innovative, practical applications relevant to the conference topics.

Extended Abstracts shall be electronically submitted in a printable format (pdf, rtf, doc) to the conference. All papers will be reviewed by the program committee for their originality, relevance and clarity. Selected papers will be published in the conference proceedings ([standard template is mandatory](#)), and referenced in international libraries. Papers have to be sent to icrat2004@icrat.org

Sponsors:

Sky Europe Airlines
Eurocontrol Experimental Centre (France)
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