

## Background and Scope

The field of robust control provides the theoretical principles and the numerical tools used to design engineering control systems that give adequate performance in face of uncertain environment. The robust control theory is built on applied mathematics (mathematical framework), operations research (optimization) and computer science (complexity and algorithms theory). Deeply rooted in rigorous mathematics, the aim of robust control is to develop theoretical and computational tools for versatile practical applications ranging from guidance and control of aerospace systems, to control systems for the manufacturing industries, and control of communication systems.

The **2006 IFAC ROCOND** will bring together experts from different areas (control and optimization theory) with control engineering practitioners to discuss the state-of-the-art in robust control and to present new research results. Particular emphasis will be given to new directions and trends in the field.

## Location

The **2006 IFAC ROCOND** will take place on July 5-7 2006, in the city of Toulouse, France. The technical sessions of the conference will be hosted by the ancient tobacco factory of Toulouse (Manufacture des Tabacs), in the historical center of Toulouse.



## Social events

- Welcome reception at Hôtel d'Assézat, Visit of the foundation Bemberg art Museum
- Cocktail at hôtel de ville, Place du Capitole
- Banquet at Hôtel Dieu
- Visit of the A380 assembly factory



## Important dates

Papers submission: **September 14th, 2005**  
Notification of acceptance: **February 1st, 2006**  
Final paper submission: **March 1st, 2006**

## General information

### Accommodation

A wide range of hotels will be available near the conference site in the historical center of Toulouse.

### Conference Web Site

Up-to-date information is available at the web site mentioned below, including the list of invited speakers, sponsors, registration fee, etc.

[www.laas.fr/rocond06](http://www.laas.fr/rocond06)

Photographs courtesy of P. Langouët



## Second Announcement

**IFAC Symposium on  
Robust Control Design  
(ROCOND)**



**Toulouse, France  
July 5-7, 2006**

## About Toulouse

**Toulouse**, capital of the largest region in France, Midi-Pyrénées, is at once a city of young spirit and ancient tradition. Founded in the third century BC, the city holds more than 2000 years of history. At the crossroads of the Canal du Midi (one of the Unesco world-wide Heritage Inventory) and the paths to Santiago de Compostela, Toulouse is situated 150 km from the Mediterranean sea and 250 km from the Atlantic ocean. The Pyrénées mountain range is only 110 km away. Toulouse is the second largest university city in France after Paris. L'Université de Toulouse was founded in 1229.



Supported by this strong university and academic background, technical innovation, from the 16th century pastel dye to 21st century aviation and space development has always been a tradition of the city of Raymond IV. Since the 1960s, Toulouse has created an image of a very dynamic city: Aeronautic, spatial, electronic, information, biotechnologies are its technological highlights.

However, Toulouse has preserved a high quality of life where culture, good living, science and historical heritage make it a wonderful place for a business meeting.

## Research Topics

- Robust Synthesis and Analysis
- Robust Adaptive Control
- Robust Identification
- Robust Nonlinear Control
- Robust Fault Detection and Isolation
- Randomized Algorithms for Robust Control
- LMI, SDP and Convex Programming
- Computational Methods, CACSD
- Uncertain Modeling and Validation
- Applications of Robust Control Theory

## Plenary Speakers

- B.R. Barmish, University of Wisconsin-Madison (USA)
- A. Ben Tal, Technion (IL)
- A.S. Lewis, Cornell University (USA)
- P. Ménard, Airbus (FR)
- I. Postlethwaite, University of Leicester (UK)
- M. Steinbuch, Eindhoven University of Technology (NL)

## Sponsors

The **2006 IFAC ROCOND** is sponsored by the IFAC TC on Robust Control and co-sponsored by the TC on Control Design and the TC on Linear Systems.

## With the financial support of

CNRS, SEE, GDR MACS, CNES



## Symposium Committees

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### Symposium Secretariat

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