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Venue

Rotterdam is the second largest city in the Netherlands situated at the mouth of the river Maas, 20 kilometers from the North Sea, in between Amsterdam and Brussels. It is a very modern city with many cultural and architectonic attractions, besides its major harbour.

Conference Center "De Doelen" is a highly modernized and well equipped conference center, situated in the heart of the shopping center of Rotterdam. It is situated just opposite the central railway station of Rotterdam, providing fast train connections to Amsterdam International Airport (40 minutes). Additionally there are direct international train connections to Brussels and Paris.




SYSID 2003 takes place in conjunction with the 2003 European Control Conference (ECC2003), which is held in Cambridge, UK, September 1-4, 2003.

IPC secretariat SYSID 2003

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Sponsored by:

IFAC Technical Committees on Modeling, Identification and Signal Processing (MISP), and Adaptive Control and Tuning (ACT).

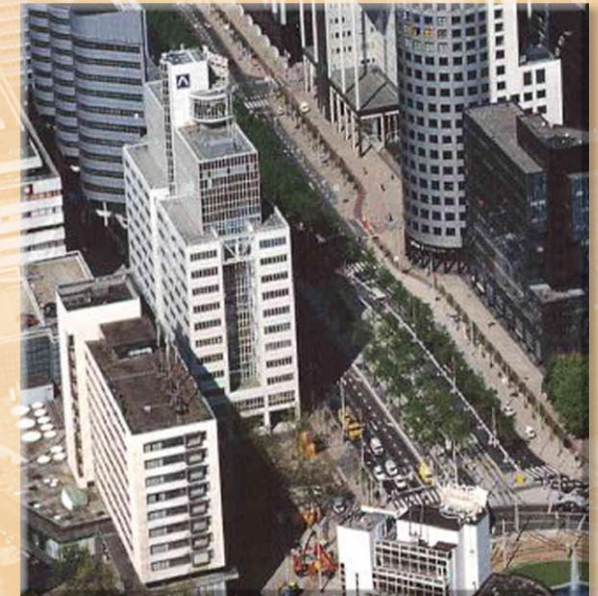
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SYSID 2003

13th IFAC Symposium on System Identification

27—29 August 2003,
Rotterdam, The Netherlands



Announcement and Call for Papers



Invitation

The organizing committee has the pleasure of inviting you to participate in the 13th IFAC Symposium on System Identification, SYSID 2003, to be held in Rotterdam, The Netherlands, August 27—29, 2003.

Scope

The IFAC Symposium on System Identification (SYSID) is organized every three years and aims to promote the research and development activities in the areas of system identification, experimental modeling, parameter estimation, signal analysis and adaptive control. The scope of the symposium covers all major aspects of these areas, ranging from theoretical, methodological and scientific developments to a large variety of (engineering) application areas. It is the intention of the organizers to position SYSID 2003 as a meeting place where researchers and practitioners from several research communities can meet to discuss issues related to these areas.

To enhance the applications and industrial perspective of the symposium, participation from industrial authors is particularly encouraged.

Relevant topics for the symposium program include:

- Identification of linear and multivariable systems
- Identification of nonlinear systems, including neural networks
- Identification of hybrid and distributed (pde) systems
- Identification for control
- Experimental modelling in process control
- Vibration and modal analysis
- Model validation, monitoring and fault detection
- Signal processing and communication
- Parameter estimation and inverse modelling
- Statistical analysis and uncertainty bounding
- Adaptive control and data-based controller tuning
- Learning, data mining and Bayesian approaches
- Sequential Monte Carlo methods, including particle filtering
- Applications in process control systems, motion control systems, robotics, aerospace systems, bioengineering and medical systems, physical measurement systems, automotive systems, econometrics, transportation and communication systems

Program

The scientific program will consist of

- plenary and semi-plenary lectures by invited speakers
- regular (contributed) paper presentations in oral and poster sessions
- invited sessions
- software sessions, presenting and demonstrating industrial, educational and research software.

In particular, case studies and technological contributions integrating theory and practice are encouraged. All contributed papers will be subject to a review process. Accepted papers will be assigned to an oral or poster session according to the author's preference and the IPC decision. For each accepted paper, at least one author is requested to register for the symposium upon delivery of the final paper. All accepted papers will be published in the symposium preprints which will be available at the symposium.

Paper submission

Prospective authors are invited to submit contributions for regular and software sessions electronically through the symposium website www.sysid2003.nl. All submitted contributions must be full papers written in English and must comply with the IFAC format, detailed in the instructions on the symposium website. Submissions can be made in either postscript (ps) or pdf-format, and are limited to 6 pages. The submission deadline for all contributions is **November 20, 2002**.

Prospective organizers of invited sessions are invited to submit a set of six invited papers with a well-defined cohesive focus on a topic relevant to the symposium. Invited sessions may start with a tutorial presentation. Contributions in invited session proposals can be extended abstracts of at least 2000 words showing the principal contribution of the paper so as to allow for an informed peer review. Please consult the symposium website for more details.

Due dates

- **November 20, 2002** Submission of draft papers and invited session proposals
- **February 15, 2003** Notification of acceptance
- **April 15, 2003** Submission of final papers
- **August 27-29, 2003** SYSID 2003 Symposium

International Program Committee

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In cooperation with the Division of Automatic Control of the Royal Institution of Engineers in The Netherlands (KIVI).

Contact Information

For all information, and for adding your name to the distribution list of advance and final program, please consult the SYSID 2003 website: www.sysid2003.nl.