

CONTROLO 2002

**5th PORTUGUESE CONFERENCE
ON AUTOMATIC CONTROL**

Call for Papers

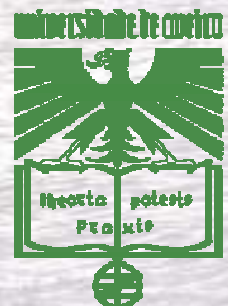
September 5-7, 2002

Aveiro Portugal

Organized by **APCA**
Portuguese Association of Automatic Control
(IFAC National Member Organization)

and supported by

Universidade de Aveiro



<http://www.ieeta.pt/controlo2002.html>

SCOPE

The conference is intended as an international forum where an effective exchange of knowledge and experience amongst researchers active in various theoretical and applied areas of systems and control can take place. This is also an excellent opportunity to promote the portuguese control community and stimulate the establishment of new international links. Participation of engineers and other scientists from industry is particularly welcome. The program will include an ample space for promoting the implementation of new technologies, emphasizing simultaneously the real-world challenges in their applications.

This edition of the event will include an industrial forum to address recent applications of control theory and new systems architectures in industry. The program also includes a special event for students, with emphasis in the area of mobile robotics.

LANGUAGE

The working language of the conference is English.

SCIENTIFIC PROGRAM

Plenary lectures by invited speakers, contributed lectures and work in progress. Contributed papers are solicited in all areas consistent with the conference themes. Authors are asked to submit electronic versions of original papers.

TOPICS

Contributions are welcome in both theoretical developments and practical implementations in all areas involving systems and control. Such topics include, but are not limited to:

- o linear and nonlinear control
- o adaptive control
- o optimal control
- o robust control
- o stochastic control
- o fuzzy and neuro-fuzzy systems
- o control education
- o neural networks
- o agricultural processes
- o genetic algorithms
- o robotics and automation
- o industrial automation
- o emerging control technologies
- o biotechnological and environmental systems
- o modelling, simulation and identification
- o distributed control
- o industrial networking
- o process control
- o behavioral systems
- o manufacturing systems and scheduling
- o real time systems architectures
- o control technology, sensors and actuators
- o control architectures
- o control applications
- o instrumentation
- o discrete time systems

INSTRUCTIONS FOR AUTHORS

The length of each paper should not exceed 6 two columns, single spaced pages. The cover page should contain title, author's name, affiliation, address and e-mail address, as well as, a brief abstract and five keywords. Detailed format information will be provided after paper's selection.

IMPORTANT DEADLINES

March 10, 2002 - Submission of full papers

May 31, 2002 - Notification of acceptance

June 30, 2002 - Final version of the papers accepted and pre-registration

SPECIAL EVENT ON MOBILE ROBOTICS

A special event focusing on Mobile Robotics is organized for students. It will include lectures by leaders in the field, a special poster session, where the students can describe their original projects and main achievements and a live competition.

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