



PÓLO DO I.S.T

MCMC'2006

7th IFAC Conference on Manoeuvring and Control of Marine Craft

September 20-22, 2006
Lisbon - Portugal

Organizer

Instituto Superior Técnico /
Institute for Systems and Robotics
Lisbon, Portugal
<http://mcmc2006.isr.ist.utl.pt>

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CALL FOR PAPERS

The 7th IFAC Conference on Manoeuvring and Control of Marine Craft (MCMC'2006) will be held in Lisbon, Portugal, from September 20-22, 2006. The conference will provide an excellent opportunity for the presentation and discussion of research and development work in the general area of automatic control with applications to the maritime field. Motivated by recent, fast paced developments in the area, special attention will be given to a number of topics that include navigation, guidance, and control of robotic marine platforms and systems, including autonomous surface and underwater vehicles.

The topics include, but are not limited to:

- Ship autopilots
- Surface ship track control
- High speed vessels
- Offshore systems modeling and control
- Information systems and methods
- Intelligent marine control systems
- Thrusters and propulsion systems
- Marine Navigation systems
- ROV/AUV guidance and control
- Underwater vision-based control
- Autonomous surface craft
- Multi-vehicle navigation / control
- Mission control of marine vehicles

PAPER SUBMISSIONS: An extended abstract of the paper must be submitted via e-mail using the Conference Website. The length of the extended abstract should be four pages, including figures, as a ready document.

VIDEO SUBMISSIONS: Authors are encouraged to submit a short digital video with the final version of their technical paper, upon acceptance. The videos should not exceed 6 Mb and 3 minutes and are intended to enhance the understanding of the technical papers. The collection of videos will be linked to the papers and distributed to all participants on the conference CD.

INVITED SESSIONS: The organization of Invited Sessions is strongly encouraged. The goal of an invited session is to provide a forum for focused discussions on new topics or innovative applications of established approaches. An invited session consists of four or five papers, which should be specialized in some particular theme or consists of the work carried out in the scope of a particularly relevant multi-partner project. Each invited session proposal must include the session title, a statement of importance and novelty of the topics included, a list of the contributing authors, and a brief biography of the session organizer(s), together with contact information.

BEST PAPER AWARDS: The following prizes will be awarded to selected participants of the MCMC'2006 during the closing ceremony: *best student paper* and *best regular paper*.

IMPORTANT DATES:

Extended Abstracts (new date) :	April 10, 2006
Invited Sessions Proposals (new date) :	April 10, 2006
Decision on Paper Acceptance	May 31, 2006
Final Papers	July 14, 2006
Conference Dates	September 20-22, 2006