



IFAC Conference on Control Applications in Marine Systems CAMS'07

September 19-21, 2007
Grand Hotel Elaphusa, Bol, Croatia

<http://www.cams07.fer.hr>

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Editors: S. Longhi and Z. Vukić

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The IFAC Conference on Control Applications in Marine Systems – CAMS'07 will be held in Bol, island Brač, Croatia from September 19-21, 2007. The conference will provide an excellent opportunity for the presentation and discussion of research results and development in the area of control applications in marine systems. The scope of the CAMS'07 conference is to bring together players in new technologies, methodologies and development of control systems that are significant for surface vessels, floating structures, sub-sea vehicles, and other devices within the marine environment. The aim of the CAMS'07, is to highlight all these topics, present the state of the art and the current research activities and advances in this field, establish the lines of innovative activities and analyze the transfers of innovative solutions to the industrial production of marine systems.

WORKSHOPS/TUTORIALS will be offered later on.

PLENARY SPEAKERS will be known later on.

TOPICS include, but are not limited to:

- *Navigation, guidance & control of marine vessels*
- *Marine traffic systems & intelligent marine transportation systems*
- *Dynamic positioning & position mooring systems for ships & platforms*
- *Automation of ship's systems*
- *Navigation, guidance and control of unmanned marine vessels (surface and underwater)*
- *Fault tolerant control and fault handling for marine vessels*
- *Offshore systems modeling and control*
- *Maritime safety and security for ports and ships and risk assessment*
- *Information systems and methods in marine applications*
- *Intelligent marine control systems*
- *Ship roll stabilization techniques*
- *Thrusters and propulsion systems*
- *Modeling, identification, simulations in marine systems*
- *Cooperative navigation and control*
- *Distributed/decentralized intelligent control*
- *Swarm intelligence, learning and control*
- *System identification for marine systems*
- *Adaptive and robust control in marine systems*
- *Nonlinear and optimal control in marine systems*
- *Applications of autonomous and remotely operated (surface and underwater) marine vessels*
- *Applications of marine vessels and robotics in environmental monitoring, mapping and surveillance, search and rescuing operations, habitat mapping, marine biology and geology, hydrographic explorations*
- *Virtual reality in marine applications*
- *Vision, recognition and reconstruction for underwater applications*
- *Surveillance and supervision systems in marine applications*
- *Web-based control in marine*
- *Actuators and sensors in marine systems*
- ...

PAPER SUBMISSIONS Prospective authors are invited to submit extended abstract of no more than four (4) pages including results, figures and references. Extended abstract will be accepted only by electronic submission through the conference web site. Prospective authors are expected to present their paper at the conference. The final manuscript should not exceed six (6) pages.

PROPOSALS FOR SPECIAL SESSIONS Proposal for special session must include a title, rationale, session outline, contact information for the session chair(s), a list of authors who have agreed to present paper in the session, and abstract (max. 1 page) of each paper. Papers submitted for the special session will be reviewed with the same criteria as those in the main track (peer reviews). Final papers for special sessions should be submitted directly to the Special session Chair.

IMPORTANT DATES

Extended Abstracts:	March 30, 2007
Invited Session, Tutorial/Workshop Proposal:	March 01, 2007
Decision on Paper Acceptance:	May 10, 2007
Final Paper Due:	June 15, 2007
Conference Dates:	September 19-21, 2007

For all information regarding to the CAMS'07 conference please contact:
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