

Workshop on Hybrid Vehicle Modeling and Control on June 12, 2007, Istanbul

Aims and Scope

This is the last of the three annual workshops in automotive control being organized by the European Union (EU) Framework Programme 6 (FP6) funded AUTOCOM Automotive Controls and Mechatronics Research Center at Istanbul Technical University. The main aim of the workshop is to gather the leading experts in the Hybrid Vehicle Modeling and Control area to discuss the latest developments in an atmosphere suitable for networking and exchange of ideas. The latest results in this area will be disseminated to the public through this workshop. A special session in the workshop will be organized to discuss and exploit future RTD (research and technology development) cooperation in the area of hybrid vehicle modeling and control. Representatives from the EU FP6 office responsible for SustDev priority area will also be invited to present information on funding opportunities. While the first priority will be given to papers on Hybrid Vehicle Modeling and Control, papers on all subdisciplines of automotive control are welcome. The regular technical program will be complemented with several invited talks.

Also, Workshop on Hybrid Vehicle Modeling and Control held on June 12, 2007 is going to be followed by IEEE Intelligent Vehicle Symposium in Istanbul, June 13-15, 2007. Interested workshop attendees may register and attend also to IV'07 in Istanbul (<http://www.iv2007.itu.edu.tr/>) starting the next day of the workshop.

Venue

The workshop will be held in Istanbul in the conference facilities of Istanbul Technical University. Istanbul is a historical city that links continental Europe and Asia through the Bosphorus strait.

Topics

- Hybrid Vehicle Modeling and Control with special emphasis on
 - Optimal Control Methodologies
 - Dynamic Programming and Its Applications
 - Hybrid Vehicle Design and Architecture
 - Hybrid Vehicle Power Electronics Design and Architecture
 - Hybrid Vehicle Special Engine Design Techniques
 - Battery Technologies, Modeling and Control Methodologies
 - Test-bed vehicle or Hardware in the Loop developments

Papers on other automotive control topics (Ex.: vehicle modeling for control,

- ESP, rollover avoidance, adaptive cruise control, attention monitoring, active safety, powertrain control) are also welcome
- Tutorial papers and state-of-the-art reviews are also welcome.

It is planned to publish selected papers in a book (with the permission of the authors).

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Paper Submission and Correspondence

Please send full papers upto 12 page in IEEE format

(<http://www.iv2007.itu.edu.tr/authorinfo.php>) by e-mail to: acarman@ieee.org

Information about paper format will be available in the website:

<http://www.iv2007.itu.edu.tr/workshop.php>

Important Dates

Submission of Extended Abstracts : May 15, 2007

Notification of Acceptance : May 25, 2007

Final Manuscript Due : June 4, 2007

Registration Fees : 165 Euro

Organization Committee

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