



Third International Conference on
Advances in Control and Optimization of Dynamical Systems
ACODS-2014
March 13-15, 2014
Indian Institute of Technology Kanpur, India



INVITED SESSION CALL FOR PAPERS ACODS-2014 INVITED SESSION ON

Distributed Control of Autonomous Multi-Vehicle Systems

http://www.iitk.ac.in/acods2014/Home_ACODS-2014.html

Invited Session Chair

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Background: A team of multiple autonomous vehicles working in cooperation offers many advantages compared to a single vehicle mission. There are many military and civil applications such as surveillance, security, space and underwater exploration where such systems are proved to be more efficient. The essence of this research lies in the distributed nature of control and communication. Distributed control is a rapidly growing research area. This special session aims to highlight the current state of art research in this field and to exchange and stimulate research ideas.

Topics : Potential topics of this invited session include, but are not limited to:

- Formation Control;
- Consensus strategies;
- Distributed control and planning;
- Distributed cooperative action;
- Distributed decision making;
- Control issues in multi-vehicle systems;
- Performance metrics for team of vehicles;
- Multi-vehicle applications in exploration, inspection, coverage, search and rescue, service, environmental monitoring, etc.

Important Dates :

31st October 2013: Deadline for submission of full-length papers

15th December 2013: Acceptance/rejection notification

15th January 2013: Final camera-ready papers due in electronic form.

Papers for the Invited Session should be submitted through **papercept**. Please visit the conference website for more information.