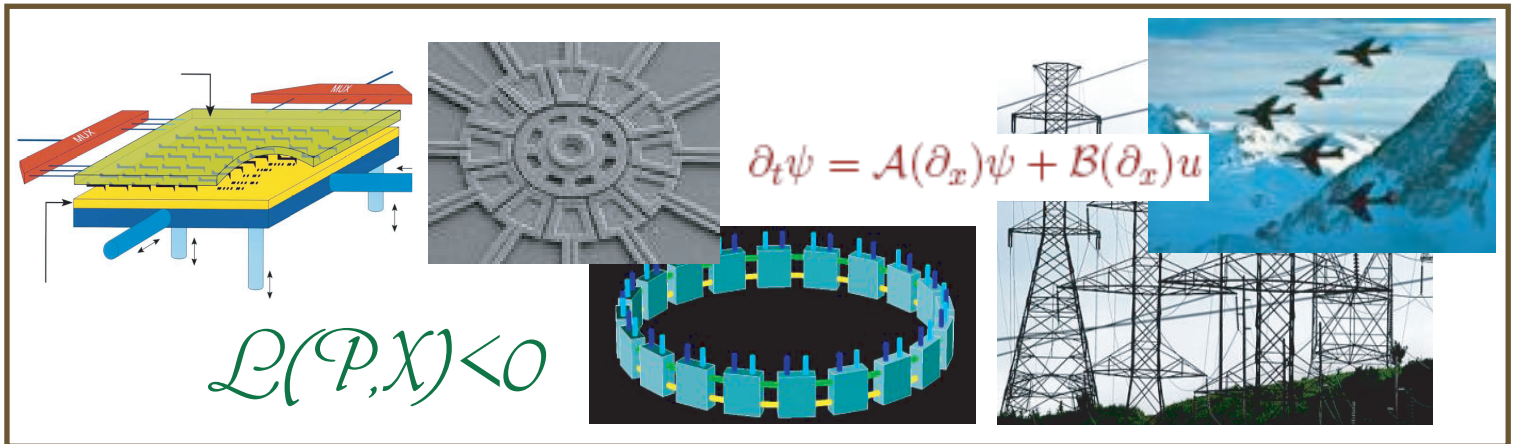


CONTROL, ESTIMATION, AND OPTIMIZATION OF INTERCONNECTED SYSTEMS: FROM THEORY TO INDUSTRIAL APPLICATIONS

A full day workshop at the IEEE Conference on Decision & Control
Sunday, December 11, 2005
Sevilla, Spain



<http://www.umn.edu/~mihailo/cdc-ecc05.html>

Speakers:

Bassam Bamieh UCSB
Raffaello D'Andrea Cornell
Geir Dullerud UIUC
Dimitry Gorinevsky Honeywell/Stanford
Mihailo Jovanovic UMN
Sanjay Lall Stanford
Cedric Langbort Caltech
Fernando Paganini UCLA
Greg Stewart Honeywell

Organizers:

Mihailo Jovanovic UMN
Cedric Langbort Caltech

Motivation:

Large networks of interconnected dynamical systems are becoming prevalent in modern technology, as exemplified by the development of cross-directional control systems for paper machines, power distribution systems, automated highways, formations of unmanned aerial vehicles or arrays of micro-cantilevers for massively parallel data storage... This workshop will present a common framework for analyzing and controlling such systems.

Topics:

Spatially invariant models - Boundary conditions - Tractable distributed control design techniques - Connections with Economics - Examples will be drawn from industry.

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Participants should sign-up for workshop FD-1 when registering for the CDC-ECC'05 conference at <http://www.esi2.us.es/~cdcecc05>.