



**IEEE Control Systems Society
UK&RI Chapter PhD Colloquium
Imperial College London
14 September 2007**

9:30	<i>Registration, tea and coffee</i>	
10:00	<i>Welcome</i>	
10:10	Distributed Particle Filtering for Nonlinear Stochastic Systems over Sensor Networks	Adrees Ahmad, Kings College London
10:30	A novel discrete-time controller design method for parametrically uncertain non-linear plants	Monte MacDiarmid, Oxford
10:50	Optimization of Airport Taxi Operations	Gillian Keith, Bristol
11:10	Development & Flight Test Experience of a UAV Guidance Controller for a Pre-planned Continuous Trajectory	Andrew Berry, Leicester
11:30	Path-Planning with Avoidance using Nonlinear Branch-and-Bound Optimisation	Alison Eele, Bristol
11:50	Distributed Model Predictive Control	Paul Trodden, Bristol
12:10	<i>Lunch</i>	
12:40	Iterative Learning Control	Zhonglun Cai, Southampton
13:00	Iterative Learning Control Algorithms for the Control of the Upper Limb	Iain Davies, Southampton
13:20	Relay Feedback Identification Method for Unstable Processes with Time Delay	Danying Gu, Leicester
13:40	Minimum Lap-time Optimisation for Race-Cars	Mark Thommyppillai, Imperial College London
14:00	Problems in the modeling and control of incremental sheet forming	Ankor Raithatha, Oxford
14:20	Strong stability of internal systems descriptions	Athanasios Papageorgiou, City University
14:40	<i>Afternoon tea and coffee</i>	
14:55	Structural Identification Problems: An Approach Using Integer Matrices	Vangelis Sagianos, City University
15:15	Nonlinear Formation Guidance Synthesis with Robust Disturbance Observer	Hyo-Sang Shin, Cranfield
15:35	Experimental testing and modelling of a mechanical steering compensator	Jason Z. Jiang, Cambridge
15:55	A Behavioural View of Play in Mechanical Networks	Frank Scheibe, Cambridge
16:15	Stability of Two-Wheel Road Vehicles under Acceleration and Deceleration	Amrit Sharma, Imperial College London
16:35	Simulation and Control of a Single Spool Turbojet Engine	Naveed ur Rahman, Cranfield
16:55	<i>Closing</i>	

Registration: £10, including lunch and drinks - cheques made payable to *Imperial College London*

Venue: Room 254, Department of Aeronautics, Roderic Hill Building. For a map and details of getting to the South Kensington Campus of Imperial College London, please visit

<http://www.imperial.ac.uk/contactsgettinghere/travelguidesandmaps> - the main entrance for the Department of Aeronautics is on Prince Consort Road.

IEEE Control Systems Society UK&RI Chapter website: ewh.ieee.org/r8/ukri/css/