Workshop on Optimal and Predictive Control
Organisers: Robin Hill, Liuping Wang and Iven Mareels

Date: Saturday November 17th, 2007.

Venue: The Australian Mathematical Sciences Institute Headquarters, Ground Floor, North Corridor, 111 Barry St, Carlton, Victoria.

Sponsorship is provided by

1. The Australian Mathematical Sciences Institute
2. NICTA, University of Melbourne
3. RMIT University

Everyone is welcome to attend. However booking is essential, and should be e-mailed to r.hill@rmit.edu.au or liuping.wang@rmit.edu.au

Speaker	Title	Time
Jan Maciejowski, Cambridge University, U.K.	Reverse-engineering existing controllers for MPC design	9.00-9.30 am
Robin Hill, RMIT University, Australia	Dual periodicity in the one-norm minimisation problem	9.30-10.00 am
Ian Petersen , UNSW at ADFA, Australia	Robust H infinity Control of an Uncertain System via a Stable Positive Real Output Feedback Controller	10.00-10.30am
		10.30-10.45 Coffee break
Andrew Eberhard, RMIT University, Australia	Convergence of the solutions of truncated optimization problems in l^1 optimal feedback control	10.45-11.15 am
Graham Goodwin, Newcastle University, Australia	Scenario generation for closed loop stochastic optimal control	11.15-11.45 am
Liuping Wang, RMIT University, Australia	Model predictive control using exponential data weighting	11.45-12.15 pm
		12.15-12.45 Lunch break
Sasha Fradkov, Boris Andrievsky, Rob Evans, University of Melbourne, Australia	Observer-based synchronization under communication constraints	12.45-1.15 pm
Jerzy Filar, University of South Australia, Australia	Asymptotic analysis of perturbed mathematical programs via Grobner bases	1.15-1.45 pm
Iven Mareels, University of Melbourne, Australia	Systems Engineering for Irrigation Systems	1.45-2.15 pm
		2.15-2.30pm coffee break
Phil Howlett, , University of South Australia, Australia	Applications of optimal control	2.30-3.00 pm
Peter Gawthrop, University of Glasgow, U.K.	Intermittent Model Predictive Control	3.00-3.30 pm
Yanqun Liu, RMIT University, Australia	Numerical solution of continuously constrained LQ optimal control problems by semi-infinite programming	3.30-4.00 pm