Department of Automatic Control & Systems Engineering
would like to announce the following seminar:

Model Predictive Control: Some Recent Developments and Perspectives

Speaker: **Dr** Jan Maciejowski

The Head of Control Group, Department of Engineering, University of Cambridge

Wednesday 17 May 2006 at 14:10

Location: Sir Henry Stephenson Building LT2

Coffee and Biscuits will be served afterwards.

ABSTRACT

I will argue that generic "low-level" control problems, such as servos, autopilots, and process loops, are essentially solved. and that major benefits of further research in Systems and Control are to be found in its application to "high-level" problems, which have hitherto been thought of as "management" or "decision" problems rather than "engineering" problems. Examples include integrated plant-wide control and management, real-time mission re-planning, conflict resolution in air-traffic control, and fault-tolerant control. The idea of Model Predictive Control, namely seems to be a good basis for attacking such high-level problems. I will outline some recent contributions by our Group in Cambridge towards making this a reality.