## Process Control Academy 2005 27<sup>th</sup> – 29<sup>th</sup> September 2005, Leicester, UK

9.00am	DAY 1 – Tuesday, 27 <sup>th</sup> September "Getting the Basics Right"	DAY 2 – Wednesday, 28 <sup>th</sup> September "Turning Advanced Control into Applied Control"  9.00am Keynote: "Model Predictive Control - Past, Present and Future"	DAY 3 – Thursday, 29 <sup>th</sup> September "Realising Improvements to Your Process"  9.00am Keynote: "Big Benefits from Optimisation and Fault Detection"
9.30am •	The Process and Dynamics where and how dynamics arise different process types obtaining dynamics from plant tests	9.45am "Applying DeltaV MPC to Furnace Control" Adrian Johnstone, Huntsman Tioxide	9.45am "Strategies for Performance Evaluation and Comparison of Fault Monitoring Techniques for Industrial Applications" Prof. Ron Patton and Dr Faisal Uppal, Hull University
	10.30am Tea / Coffee	10.40am Tea / Coffee	10.30pm Tea / Coffee
10.50am	Applying Control to the Processes proportional, integral and derivative control PID structures and parameterisation	11.00am "Applications of Model-Based Predictive Adaptive Control in Continuous Processing Industries" Duncan Meade, IDEAS Simulation & Control	10.50am "Process Control Benchmarking" Prof. Mike Grimble, ACTC
	Tuning Methods Real-Life Tuning Example	11.45am "Application of MPC and PLS in the Paper Industry" Dr. Jonas Balderud, University of Strathclyde	11.35am "Process Plant: How to look like a Hero" Harvey Dearden, TDSL
	12.45pm Lunch	12.20pm Lunch	12.20pm Lunch
1.45pm •	Real-Life Process Control Problems  Example problems of filtering, stiction, nonlinearities and sampling  How problems can be spotted and corrected	1.30pm "AutoPilot in Action – Combined Technologies, a Batch Example" Ernie Lamza and Michael Keaton, Optima Powerware	1.30pm "System Life Planning – How to Get More from your Existing Plant"  Jim Houston, Emerson Process Management
		2:15pm "Equationless Modelling of the Operating Envelope for Batch & Continuous Processes" Dr. Robin Brooks, Curvaceous Software Ltd.	2.15pm "How Will You Pay For Automation in the Future?" Nick Taylor, Emerson Process Management
	2.40pm Tea / Coffee	3.00pm Tea / Coffee	3.00pm Tea / Coffee
3.00pm • •	Enhanced Process Control  Ratio and split range control, averaging level control  Feed-forward compensation, cascade control  Smith Predictor for dead-time dominant processes  Decoupling control	3.20pm "Introduction to Process Nonlinearities and Control" Dr. Andy Clegg, ACTC	3.20pm "Get More from your Process using Modelling and Simulation" Dr Andy Clegg, ACTC
		3.50pm "A Simple Nonlinear Controller for Process Control" Prof. Mike Grimble, ACTC	4.10pm Academy Synopsis Travis Hesketh, Emerson Process Management
	4.30pm Questions and Close (5pm)	4.40pm Questions and Close (5pm)	4.30pm Questions and Close (5pm)
		7.00pm Academy Dinner (Terracotta Chinese Buffet, central Leicester)	