

- industry cross-fertilisation
- technology transfer
- industry forum
- seminars
- consultancy and case studies
- training

Overview of Modern Control Techniques (1-day Course) Agenda

- 9.00 Overview: The Need for and Approaches to Advanced Control
- 9.30 State Feedback and Pole Placement Controllability and Observability Placement of Eigenvalues, Ackermann's Formula
- 10.30 Tea/Coffee
- 10.45 Optimal Control Quadratic Cost Functions LQR, LQG
- 12.15 Lunch
- 13.00 Minimum Variance Control Introduction to MV and GMV
- 14.15 Tea/Coffee
- 14.30 Predictive Control Principles of Predictive Control Prediction Equations
- 15.30 Intelligent Methods in Control, Fuzzy Logic, Neural Networks, Genetic Algorithms/Programming
- 16.30 Discussion and Close