

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

Introduction to PID Control Design

Agenda (2-days Course)

Day 1:

08.45 REGISTRATION

09.00 Fundamentals of Feedback Control Design

10.00 Transfer Functions Modelling of Linear System

10.45 TEA/COFFEE

11.00 Modelling and Simulation

11.45 Hands-On Session: Modelling and Simulation

12.45 LUNCH

13.30 Frequency Response Analysis using Bode and Nicols

14.30 TEA/COFFEE

14.45 Hands-on Session: Frequency Response Analysis of linear system

16.00 PID Control Technologies

17.00 CLOSE

Day 2:

09.00 Basic PID controller Tuning

10.00 PID Controller Implementation Issues

10.45 TEA/COFFEE

11.00 Hands-On Session: Practical Issues with PID Implementation

12.30 LUNCH

12.45 Enhanced Control Design

13.45 Discrete-Time System and Control Representation

14.30 TEA/COFFEE

14.45 Lead-lag Compensation

15.15 Hands-on Session: Comparison of PID and lead-lag compensator

16.00 Implementation Issues and Time Delay Compensation

17.00 CLOSE