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

Introduction to Estimation and Kalman Filtering

Agenda (1-day Course)

08.45	REGISTRATION
09.00	Introduction to Probability, Stochastic Processes and Signals (Basic Theorems, Disturbances & Noise Representation)
09.45	Hands-on Session: Implementation of Disturbance & Noise in State-Space Model
10.45	TEA/COFFEE
11.00	Introduction to Kalman Filter (Continuous and Discrete Time)
12.00	Discrete Time Kalman Filter (Derivation, Properties, Riccati Equation and Tuning)
12.45	LUNCH
13.30	Hands-on Session: Application of Observers & Building the Kalman Filter
14.30	Introduction to Time Varying and Nonlinear Systems
15.00	TEA/COFFEE
15.15	Parameter Estimation using Extended Kalman Filters (Condition Monitoring, Model Based Fault Detection Methods)
16.00	Hands-on Session: Kalman Filtering for Parameter Estimation
17.00	CLOSE





