

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

Modelling, Identification and Parameter Estimation Methods

Agenda (2-days Course)

Modelling and System Identification
Modelling and System Identification for Linear Systems
TEA/COFFEE
Hands-On Session: System ID with Least Squares Algorithm
Hands-On Session: System ID with a Kalman Filter to Estimate an Offset
LUNCH
System Identification Implementation Issues and Model Validation
Hands-On Session: Estimation of Parameters in Physics-based Models
Tea/Coffee
Self-Tuning Control
CLOSE
Parameter Estimation using Grey-Box and Multiple Linear Models Grey Box Models - The System Structure and Escential Elements
Grey-Box Models – The System Structure and Essential Elements
Parameter Estimation for Grey-Box Models TEA/COFFEE
Hands-On Session: Grey-Box Model Identification
LUNCH
Non-linear system Modeling through Multiple Linear Models
Hands-On Session: Multiple-Model Approach
TEA/COFFEE
Neural Networks as Universal Approximators:
Static and Dynamic Models
Hands-On Session: Neural-Network Model Identification Procedure
CLOSE





