

Day 1: (8:30 AM to 4:30 PM)

Transfer function definition

Fast and slow processes

Different methods of characterizing process dynamics

Characterizing high order transfer function models

Step response coefficient models

ARMA models

Pros and cons of various dynamic models

Open loop step tests, closed-loop tests, gradual changes in input

3G disturbance rejection technology

Geometric, Gradient and Gravity options

Isolating noise from process data

Dead time estimation tips

Model prediction and correction procedures

Industrial examples using real plant/process data

Identification examples using many real and simulated conditions

Zooming on the real transfer function in cases of multiple solutions

Practical tips for successful closed-loop transfer function identification