Multi Channel System Commissioning - Course Syllabus

Introduction
A two day course for technical staff and managers involved in commissioning and running multi-channel systems for mechanical testing

Aims
- To learn how to safely approach and commission large fatigue tests
- To understand the challenges of operating large channel count multi-axis tests
- To understand the trade off between speed and accuracy
- To maximise test speed, accuracy & repeatability

You might benefit from this course if:
- You are new to or have limited experience of multi-channel multi-axis tests
- You are unfamiliar with commissioning
- You manage testing staff or programmes and would benefit from an overview of the challenges
- You need to specify or purchase testing equipment

Course content
- Commissioning plans, procedures & checklists
- The basics (system pressure, bleeding, fluid cleanliness, fluid temperature etc.)
- System & channel resolution, accuracy & repeatability, actuator friction
- Channel parameters (including limits)
- Servovalve sizing
- Tuning single channel and multiple channel
- Channel interaction
- Optimisation and limitations of test speed
- Transition times
- Reactive loading, gain profiling
- Calculation channels and their use
- Pressure and return line accumulators
- Glossary of terms

This course requires the use of a training rig or similar for maximum benefit.

Systems Services incorporate the following for each delegate in each training module:
- Full training notes including a copy of the course notes and attendance certificate.
- An additional package of useful information relevant to the course completed.

For more information please contact training@systems-services.com or call 01205 724242

"Everyone came away better equipped to do their jobs"