

EPICS Dec 2011 Day 1

EPICS Asyn

Class Day 1

Schedule

0900-1200	ASYN Talk, Modbus Talk, ASYN Port Driver Talk
1200-1300	Lunch Break (On your own)
1300-1400	Demo: Measurement Computing - USB Devices
1400-1600	Lab: Tektronix Scope Driver, Python Simulator

Lecture Agenda

- Overview of asyn - what is it and why do we need it
- asyn architecture and components
- asynManager - the core of asyn
 - Methods for drivers
 - Methods for clients
- Synchronous and asynchronous drivers
- Standard asyn interfaces (asynInt32, asynOctet, etc.)
- Callbacks and interrupts
- Standard asyn device support
- asynRecord
- iocsh commands
- Example drivers: Modbus
- Tektronix Scope Driver, Python Simulator