

EPICS Aug 2010 Day 1

EPICS Asyn

Class Day 1

Schedule

0900-1230	ASYN Talk
	Modbus Talk
1230-1315	Lunch Break
1315-1700	dac128V
	Modbus

Quicktime Videos of Lectures

- [Part 1](#) (runtime 01:18:00)
- [Part 2](#) (runtime 01:12:29)
- [Part 3](#) (runtime 00:34:02)

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

Lab Agenda

Lab TAs: Zen Szalata (ARD-TestFacilities-CTRLS), Kukhee Kim (SLAC-CTRLS)

- Communication with message based devices using asynOctet interface (Ethernet, serial)
- Python simulator Serial device available?
- Modbus device available?
- Other Ethernet device available?

Attendees

1. Dayle Kotturi (SLAC-CTRLS)
2. Harvey Rarback (SSRL-CTRLS)
3. Shantha Condamoor (SLAC-CTRLS)
4. Arturo Alarcon (SLAC-CTRLS)
5. Alison Chaiken (ARD-TestFacilities-CTRLS)
6. Matt Boyes (SLAC-CTRLS)
7. Ravi Mirakhur (SLAC-PPA)
8. Richard Neill Dabney (SLAC-PPA)
9. John Wagner (SLAC-PPA)
10. Stephanie Allison (SSRL-CTRLS)
11. Kristi Luchini (SLAC-CTRLS)
12. Sandeep Babel (PCD)
13. Qiao Geng (SLAC-CTRLS)
14. Bruce Hill(SLAC-PPA)