



ESyst iLab Demo



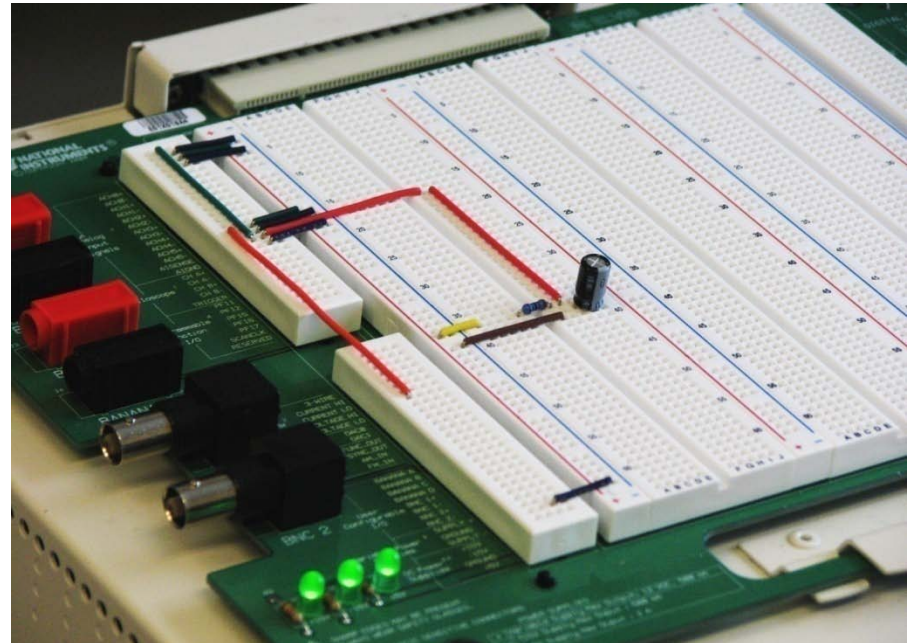
1st iLab Europe Workshop
November 16 - 18, 2009



NI ELVIS

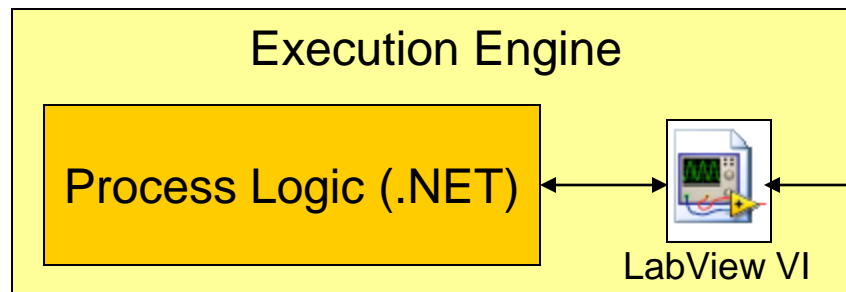
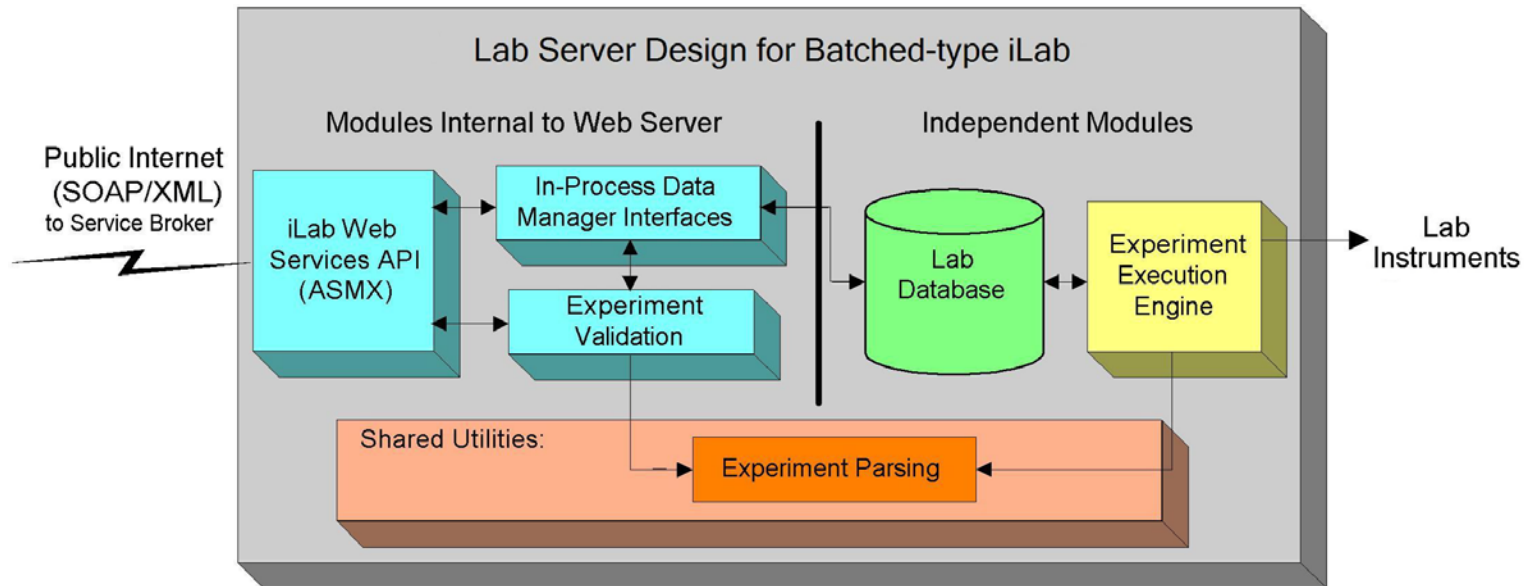
- ▶ All-in-one electronics workbench
- ▶ Performs variety of basic functions
- ▶ Readily software controllable (LabView)
- ▶ Compact
- ▶ Cost-effective

Initial ELVIS iLab only
exposes a fraction of full
functionality

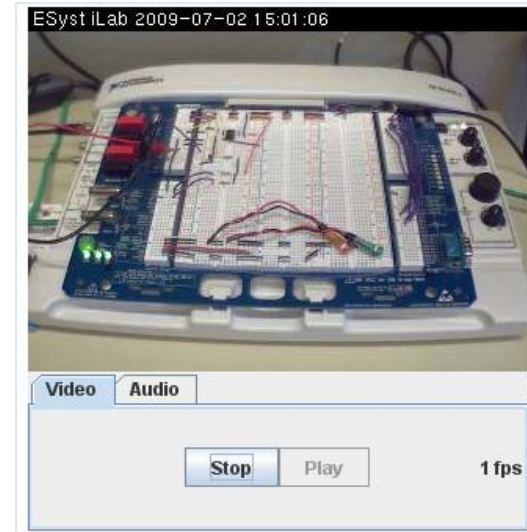
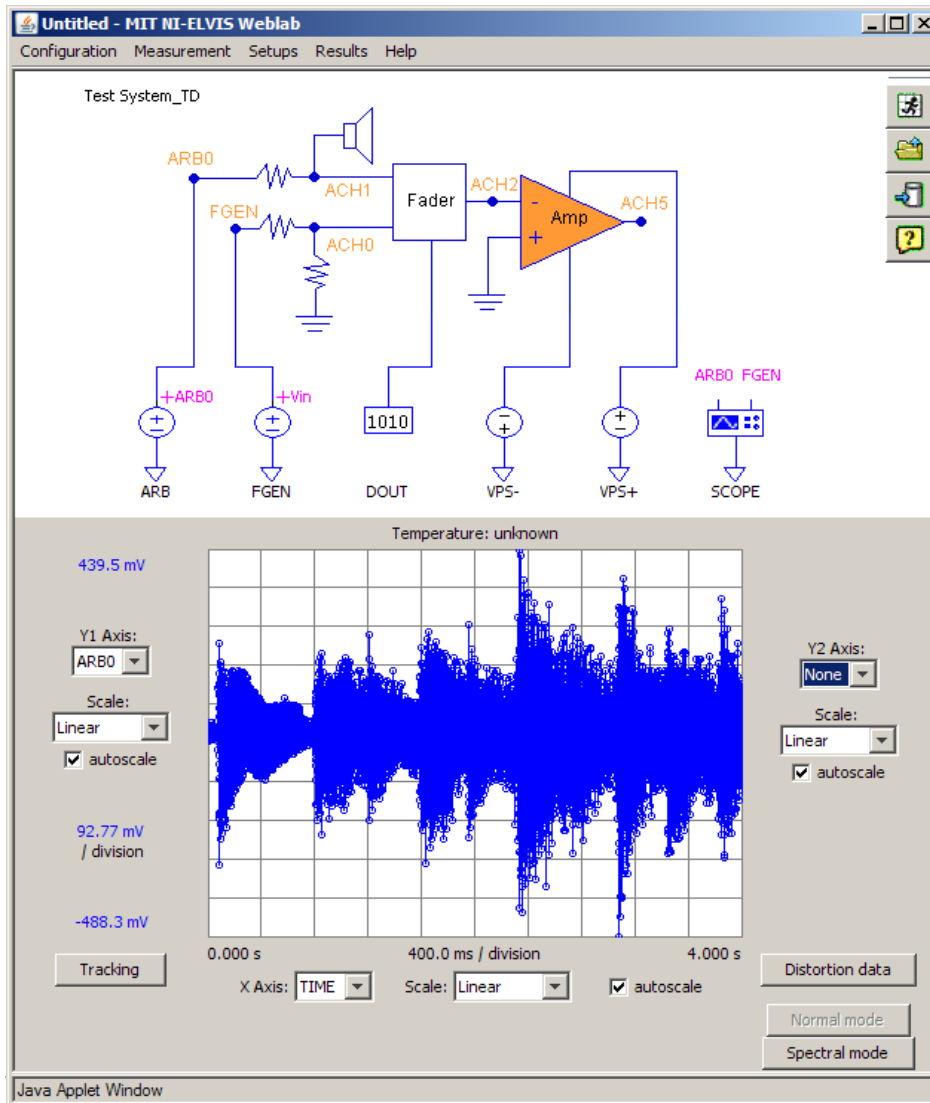


ELVIS-based iLabs: Version 1

► ELVIS integrated into batched-lab architecture



Demo



Future Directions for ELVIS-based iLabs

▶ Current prototypes

- ▶ Simple digital logic experiments
- ▶ “troubleshooting” style experiments using ELVIS DMM, switching

▶ Future directions

- ▶ Further integration of switching to enable more design-oriented experiments
- ▶ Restructuring Lab Server to ease adoption/adaptation of this iLab, increase flexibility

