Keithley Training

Keithley Equipment

K1 (Keithley Station 1) – TWI Station

Keithley 4200-SCS with 4 pre-amps

Keithley 707A Switch Matrix

Keithley 595 Quasi-static Meter

Agilent 81110 Pulse/Pattern Generator

Agilent 4284 LCR Meter

Modified Cascade probe station with 6 Cascade DCM Micromanipulators

K2 (Keithley Station 2) – Long Term Reliability Station

Keithley 4200-SCS with 4 pre-amps

Keithley 707A Switch Matrix – (not installed yet)

Agilent 4284 LCR Meter

Custom built probe station with 8 Cascade Micromanipulators

Keithley Training Modules

For each module teaching time is indicated. Practice time which is necessary, is not include in the time estimate. It is recommended that people practice in groups of two – one practices while the other observes and assists when needed. Before a user is qualified to use either K1 or K2, they must pass a test covering modules *Probe Station Fundaments* and *Keithley 4200-SCS Basic*. Although modules *Keithley 4200-SCS Advanced*, *External Instrumentation*, and *Keithley 4200-SCS Expert* are not required to perform more advanced functions using the Keithley 4200 as these subjects can be learned through the online documentation they are recommended. Taking the additional training modules can dramatically increase the learning curve. **Before the certification test is administered a minimum of 8hrs of practice time is required. After successful certification, periodic oral tests are required to maintain certification**.

Probe Station Fundamentals – 1hr

Manipulator cleaning, removal, and operation

Wafer handling

Tip changing, care and wafer probing

Keithley 4200-SCS Basic – 2hrs

KCON – learn to setup the 4200, perform instrumentation integrity tests.

KITE – create projects, execute tests, interface with the switch matrix

Keithley 4200-SCS Advanced – 2hrs

KITE – Learn to cycle subsites, output test data to subsites, create custom devices and more

KULT – learn to program the Keithley

External Instrumentation – 2hrs

Learn how to interface the following instruments with the Keithley: Agilent 81110, Agilent 4284, and Keithley 595.

Keithley 4200-SCS Expert – 3hrs

KULT – learn to program external instruments over GPIB