

## LabVIEW - Scilab

How to master both environments, become familiar with LabVIEW and Scilab capabilities and discover the connecting possibilities of Scilab / Xcos with NI devices.

### I already know Scilab

Morning : Courses and practical exercises on PCs  
Duration : 3 h

- Mastering LabVIEW environment
- Development and edition of VIs
- Learning basic techniques
  - Front panels control/indicators
  - Data stream programming
  - While loops, For loops
  - Data visualization
  - Data acquisition / generation
  - Timing

Afternoon : Practical exercises on myDAQ NI device with LabVIEW, Scilab and the gateway  
Duration : 3 h

- Design and setting a guitar tuner
  - Audio acquisition and direct identification of the harmonics
- Design and setting of a temperature control closed-loop control law
  - Acquisition on a temperature sensor and fan control

### I already know LabVIEW

Morning : Courses and practical exercises on PCs  
Duration : 3 h

- Mastering Scilab environment
- Introduction to numerical computation
- Scilab Language
  - Control structures (if, for, while...),
  - Data types.

**Duration**

1 day (9h - 17h)

**Location**

Nanterre or Versailles

**2014 Sessions**

April 25, April 29, June 17, July 3, September 11,  
October 23

**Training Cost**

700 € HT (PN – 910553-01)

**On-site training**

5 people minimum  
Contact us to set a date

**JOINT TRAINING NATIONAL INSTRUMENTS / SCILAB  
ENTERPRISES**