



# Hands-on Campus Workshop

## Acquiring Measurements with NI LabVIEW and NI DAC Hardware

### Date:

12/03/2015

### Time:

09:00 a.m. - 12:00 p.m.

### Location:

CEI Building,  
University of Windsor  
Room 3000  
401 Sunset Avenue  
Windsor, ON N9B 3P4

### Space is limited

To reserve your seat,  
Register in:

<http://sine.ni.com/nievents/app/offering/p/offeringId/2323410/site/nic/country/ca/lang/en>

IEEE Windsor Section and National Instrument are presenting:

Get started with NI LabVIEW System Design Software to easily acquire, analyze, and record data from any sensor using the industry-leading NI CompactDAQ modular hardware platform. Learn how to generate reliable results within budget on this flexible, expandable set of tools.

### Who Should Attend:

Graduate Students and Researchers who need to log data from a sensor.

### Topics Covered:

- Data acquisition (DAQ) theory
- Choosing a DAQ system
- Setting up a DAQ system
- Programming in LabVIEW
- Data logging and signal processing



# Hands-on Campus Workshop

## An Introduction to Software Defined Radio With LabVIEW Communications System Design Software and NI USRP

### Date:

**12/03/2015**

### Time:

**01:00 p.m. - 04:00 p.m.**

### Location:

CEI Building,  
University of Windsor  
Room 3000  
401 Sunset Avenue  
Windsor, ON N9B 3P4

### Space is limited

To reserve your seat,  
Register in:

[http://sine.ni.com/nievents/  
app/offering/p/offeringId/23  
27404/site/nic/country/ca/la  
ng/en](http://sine.ni.com/nievents/app/offering/p/offeringId/2327404/site/nic/country/ca/lang/en)

IEEE Windsor Section and National Instrument  
are presenting:

Attend this three-hour seminar for a hands-on introduction to software defined radio. During this seminar, NI field engineers will show you how to use the USRP with the LabVIEW development environment and offer assistance as you perform a variety of tasks.

### Who Should Attend:

Graduate Students and Researchers who need to log data from a sensor.

### Topics Covered:

- Introduction to software defined radio
- LabVIEW programming fundamentals
- Building a simple spectrum analyzer
- Demodulate over-the-air broadcast FM radio
- Investigate the elements of digital communications system