



CIT Engineering NV

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LabVIEW Machine Vision

Description: Day 1 - 2

The first two days will be an introduction to the LabVIEW environment, its features, dataflow programming, and common LabVIEW architectures.

This course is the fastest way to become productive with LabVIEW. It prepares you to develop test and measurement, data acquisition, instrument control, data logging, and measurement analysis applications using LabVIEW.

At the end you can create applications using basic design templates and architectures to acquire, process, display, and store real-world data.

Description: Day 3 - 4

This course teaches the fundamentals of machine vision, the components that make up a machine vision system, and the various resources for locating appropriate cameras, lenses and lighting equipment.

After attending this course, you will be able to develop vision applications with greater ease and efficiency, understand the fundamentals of building a complete machine vision system and understand the basics of NI Vision software and image acquisition hardware.

Course details:

- Course material, refreshments and sandwiches included

Course topics:

- Introduction to Machine Vision
- Preparing your imaging environment
- Acquiring and displaying images
- Processing images
- Enhancing acquired images
- Measuring features
- Using machine vision techniques