

Introduction to Labview

JORDI ANDILLA

March 07, 2022 to March 14, 2022

09:30 to 13:30

Yellow Lecture Room (247)

Labview is a powerful tool to interface instruments, automatize processes and in-place analysis. Many instruments provide drivers and controllers based in this platform. This fact and the programming interface (based in G programming) allow an increase in the efficiency of the development and maintenance of applications for science and engineering. In this course we will introduce the basics of Labview programming, its interface and the basis of good programming practices. The aim of the course is to provide the attendants a stable starting point to develop Labview readable, reusable and scalable applications in an efficient way.

Dates: March 7th and 14th, from 09:30 - 13:30

Target Group:

? PhD Students, Post-doctoral researchers and Research Engineer

s Priority will be given to PhD students and to those Researchers who needs to use Labview for their research projects

Available places: 10

Requirements:

Basic knowledge in programming is needed for this introductory course

Interest in instrumentation control and analysis is required to properly integrate the concepts of the course

Training content:

Main topics:

Instrumentation and analysis programming introduction

Good practice in programming

Labview IDE introduction

Data Flow programming introduction

Labview programming elements

Errors

Cases and events

Modularity

Data acquisition examples



Trainer: Dr. Jordi Andilla

Jordi is an ICFO SLN Engineer

Hosted by: Academic Affairs