

# Introduction to Labview

JORDI ANDILLA

June 07, 2024 to June 12, 2024

09:30 to 13:30

Yellow Lecture Room

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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:** June 7, 10 & 12 from 9:30 to 13:30 at ICFO Yellow Lecture room.?

**Target audience:** PhD students, Postdoctoral researchers and Research engineers

**Available places:** 10

**Trainer:** Dr. Jordi Andilla

Jordi has been a software engineer at Penelope Integrated Textile Solutions since 2023. Prior to this role, he accumulated over 11 years of experience as an R&D Engineer at ICFO in the SLN research facility.

**Training content:**

Instrumentation and analysis programming introduction

Good practice sin programming

Labview IDE introduction

Data Flow programming introduction

Labview programming elements

Errors

Cases and events

Modularity

Data acquisition examples

**Requirements:**

A basic knowledge in programming is needed for this introductory course

An interest in instrumentation control and analysis is required to properly integrate the

concepts of the course

**Hosted by:** Academic Affairs