



## SENSORES E INSTRUMENTACIÓN EN TECNOLOGÍAS FOTÓNICAS "SINFOTON-CM"

### Curso de Introducción a Programación en LabView

<b>Fechas</b>	19, 22 y 26 de enero de 2016, 09:00-12:00 hrs.
<b>Lugar</b>	Aula B222, Edificio B, ETSI Telecomunicación. UPM Avenida Complutense nº 30, Ciudad Universitaria

Día	Programa
19/01/2016	<p>Basic programming in Labview:</p> <ul style="list-style-type: none"> <li>• Creating a virtual instrument (.vi)</li> <li>• Types of loops and data in and data out in the loop</li> <li>• Use of sub-.vis, clusters and basic error handling</li> <li>• Creation of graphical interface, use of dynamic data</li> </ul>
22/01/2016	<ul style="list-style-type: none"> <li>• Interfacing with instruments, generally using the DAQ assistant: Students will tour between different instruments (USB generic digital output port, serial interface device (motor or waveform generator), GPIB interface (waveform generator, Oscilloscope), USB controllable Oscilloscope and I/O board from National instruments</li> <li>• Discussion of programming strategy (state-machine or linear programming) and how-to</li> </ul>
26/01/2016	<ul style="list-style-type: none"> <li>• Advanced user interfacing and structures</li> <li>• Use of EVENT structures (mouse click, ctrl+c etc) in Labview</li> <li>• Use of property nodes, references and variables</li> </ul>

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