

**PhD Physics course at Bari University ( XXXIV Cycle)**

<b>Title</b>	FPGA programming with LabVIEW
<b>Proponent</b>	Giuseppe Tagliente
<b># CFU (1 CFU = 8 hours)</b>	2
<b>Schedule</b>	September - October
<b>Brief Summary of the course</b>	The purpose of the course is to broaden the knowledge of LabVIEW to program the field-programmable gate array (FPGA). A knowledge of LabVIEW is required
<b>Programme</b>	<b>Lesson 1.</b> Concepts of FPGA <b>Lesson 2.</b> Programming FPGA with LabVIEW <b>Lesson 3.</b> Applications of FPGAs <b>Lesson 4.</b> Laboratory, implementation of a code to control a DAC
<b>Recommended texts</b>	Material will be provided
<b>Assessment methods</b>	The students have to present a code based on FPGA