

Trainee's Project Report

Job Code	PH4447
Department	PH
Discipline	Experimental Applied Physics
Supervisor	BORDALO Paula

Description

The trainee will take an active part in the development of tools for detector control system (DCS) of the COMPASS experiment together with data taking and its control. He/she will work in a team of physicists and engineers. The candidate will develop skills in technologies used in process control applications as SCADA (Supervising Controls And Data Acquisition Systems), concerning both supervision and the process control layer in Fieldbuses and programmable Logic Controllers (PLC). He/she will provide support for the development, updates and maintenance of the system. project will enable all COMPASS collaborators and most of all the detector experts to access the detector conditions world-wide using a web-based graphical user interface, accessing the data from an Oracle database.

Special Requirements

Degree or Master in physics or engineering. Physicist or engineer with knowledge in computing. Knowledge and experience in C programming. Experience with Linux and Windows. Knowledge in C++ will be appreciated.

Training Value

The trainee will gain experience in one of the most advanced computing and physics environments, working in an international collaboration. Hands-on in technologies used in industrial control and their application to large systems control and automation.

