

Tuesday 22nd January 2008 - Control issues

11.30-12:00

Alessandro Raimondo: Rapid Application Development Environment based on LabVIEW

The present CO application development environment for the accelerator operation, is covering all aspect related to the machine control. However, for machine development and during the commissioning of the accelerators, a different tool with specific qualities for fast applications development will be the most suitable solution.

CO proposes to cover this need by a LabVIEW based environment. The scope and functionality of this framework in terms of application templates, libraries to access parameters, devices and databases will be discussed.

Typical use-cases of LabVIEW in the AB department (test stands and expert tools) will be given, with a particular attention to the present applications in the CCC (OASIS analyser and PostMortem analysis). A description of the environment with its access libraries (JAPC, CMW, ORACLE, SDDS) and the strategy for the future developments will be presented.