



ELACCO mid-term Review

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EDUCATION 2002-2005

I am...

Bachelor in Electronic and Telecommunication Engineering

Department of Engineering, University of Ferrara, Italy

Master in Electronic and Telecommunications Engineering (23 July 2008)

2005-2008

THESIS: Development of the system test for the LHC tune measurement and abort gap monitoring.

Department of Engineering, University of Ferrara, Italy

CERN EXPERIENCE

2007-2008

SINCE 2008, AUGUST 1st

CERN Technical Programme In Engineering, Computing and Applied Science

- LHC project: development of a system test for the LHC tune measurement and abort gap monitoring;
- Design and development of the system and the SW (Labview) for signal processing

Marie Curie Fellowship Programme, CMS group

Outline

- Compact Muon Solenoid (CMS) Experiment
- Oracle Portal Technology and Development Tool
- First Results and Objectives



CMS

The Compact Muon Solenoid DAQ Baseline Structure



HIGH COMPLEXITY AND LARGE NUMBER OF COMPONENTS



Oracle Portal Technology

SEVERAL DATA **SOURCES**

PORTAL



Standards driven, scalable, secure, and dynamic



WHAT IS A

PORTLET

CMS

Oracle Portal and Portlets

07/11/08 Fri 13:56. Session 30797 [0:32] <toppro> Fri 13:54 | DAQ "Running", Run#69850 EvSize 411.485 kB, Rate 10.443 kHz [4026.854 MB/s]



A portlet is a reusable, pluggable Web component that can draw content from many different sources.



Oracle Java Developer Tool





First Results

Since 1st August until November

Acquisition of a global view of the Oracle Portal Technology

- Training with the Oracle JDeveloper Tool
- Java, HTML and SQL concepts review
- JSP, JavaScript, PL\SQL studying

In practice

CERN Training

• Portlet Development for the Shiftlist Database

Java5 course: new language features

Main focus on the addition introduced with Java version 5

(24 hours, 15 – 17 October 2008)



Further Objectives

Until March 2009

Further CERN Training

2009-2010

Other training courses

Introduction to the project and to the Oracle Portal Technologies

- J2EE Web Application course: JSP developing and new standard libraries
- Oracle courses: development and management in Oracle environment
- Mastering the Oracle JDeveloper tool
- Development of complex web components for portal pages in order to allow a quick and easy management of the CMS monitoring data
- CERN Training: Management and Communication courses
- CERN Training: Language courses French (general and professional)

Training Resume

Technical

Java5 course: new language features (CERN, 15 – 17 October 2008)

Languages

 General and Professional French Course – Intermediate Level (CERN, 06/10/2008 – 12/12/2008)



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