CERN openlab Student Programme 2011

Who should apply?
B.Sc., M.Sc., or Ph.D. students in Computer Science or Physics, interested in working on advanced IT projects for two months during the period June-September 2011, with the possibility of follow-on projects in their home institutes.

How to apply?
The application must be submitted to www.cern.ch/jobs by 31st March 2011 and the following documents should be attached to it: student’s CV, recommendation letter(s) by university supervisor(s) and a motivation letter with an indication of the preferred area of work. Incomplete applications will not be considered. Confirmation of student placement will be made to the students and their supervisors by early May.

Stipend
The stipend for a two-month internship is CHF 5000 for travel, accommodation and per diem, sponsored by CERN and the CERN openlab industrial partners. Students must have their own health and accident insurance.

Students projects
Several projects and groups at CERN will participate in the openlab student programme, including the WLCG (Worldwide LHC Computing Grid). Examples of projects that students undertook in 2010 include:
- Automation for WebLogic servers management
- Monitoring tools for the Grid
- New template engine for Indico
- Virtual machine technology for distributed computing
- Graphics processing units to accelerate data analysis
A report on the work project carried out is to be handed in at the end of the student stay.

Other activities
A series of lectures by experts in various domains of CERN-related High Throughput Computing, and study tours to universities and CERN facilities are part of the programme. The openlab students may also participate in a wide range of physics and technology lectures that are part of the general CERN summer student programme.