HL-LHC Resources request

Date: 2017-01-21

Project/Activity: WP5

Title Position/Task: Robotics Engineer

Description Project:

To extend its discovery potential, the LHC will need a major upgrade to increase its luminosity (rate of collisions) by a factor of 10 beyond its design value. The HL-LHC is the project that will develop the new technologies and be in charge of the design, production, installation and commissioning of the equipment required to reach this objective.

Task:

You will join the robotics team to:

- Integrate a novel dual robotic arms system equipped with different tools in TIM.
- Integrate sensors and haptic devices for virtual augmented reality.
- Prepare a user friendly master slave bilateral semi-autonomous control of the novel dual arms robotic system using haptic devices.
- Implement a framework to perform robot learning by teleoperation.

Profile: Master degree in robotic controls or industrial automation

Experience:
Experience with the design of industrial process

Specific details: Candidates will be expected to possess a good working knowledge of either English or French and is expected to learn both languages.