



EDMS NO.  
**1751628**

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**VALID**

**REFERENCE : NOT REQUIRED**

## 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.