



In the context of a H2020-Space-2018 project, the spin-off company MAPRAD srl (www.maprad.com) is seeking for an experimental high-energy physicist or electronics engineer with at least 2 years experience in the design, construction and testing of data acquisition systems for particle detectors.

MAPRAD offers a 30-month project contract then to evaluate a possible following contract together.

The work consists in designing and developing new front-end electronics, data acquisition and slow-control systems for particle detectors based on semiconductor (silicon) and scintillation (organic / inorganic scintillators coupled with Silicon Photomultiplier).

The candidate will also participate in the preparation and execution of the irradiation sessions of the innovative components / materials for their radiation hardness susceptibility studies according to the relevant ESA / JEDEC standards.

Requirements:

- C ++ and Verilog || HDL || VHDL experience
- Microcontroller and FPGA experience
- Circuit simulation and PCB Design
- Good knowledge of written and spoken English.
- Experience with radiation detection systems, data taking and analysis is an advantage.
- Experience in digital / analogue electronic simulation, assembly and bench testing is an advantage.

If you are interested in working in a stimulating environment both scientifically and technically, send your CV to curricula@maprad.com