A.D.A.M SA seeks to appoint a

LabVIEW Real-Time Engineer

A.D.A.M SA (Applications of Detector and Accelerators to Medicine) is working on the R&D and production of accelerators for medical applications. It is a research company, inspired by CERN and a subsidiary of Advanced Oncotherapy plc. A.D.A.M SA is head-quartered in Meyrin/Switzerland and its laboratories are based at CERN. A.D.A.M SA is involved in a hadron cancer-therapy project to build the linear proton accelerator LIGHT (Linac for Image Guided Hadron Therapy). LIGHT's proton energies range from 70 MeV to 230 MeV and its beam properties are ideally suited for the effective treatment of cancerous tumors. We are aiming to provide a clinically superior and cost-effective alternative to conventional radiation therapy solution, ensuring that clinicians and patients have choices, and that proton therapy is available more widely. More information on A.D.A.M. SA can be found on **www.adam-geneva.com** and **www.avoplc.com**.

The successful candidate is expected to contribute to the design and implementation of FPGA based real-time systems for the LIGHT control system and follow-up external FPGA based development.

Job Description

Responsibilities and tasks

- gather requirements and elaborate designs for FPGA based real-time systems
- follow-up and review external FPGA developments
- prepare test cases and to execute commissioning with related systems
- provide documentation such as user manuals
- implement FPGA based real-time systems using LabVIEW Realtime and VHDL

Qualifications

- have a master degree in electronic engineering or equivalent
- 2 years of experience in LabVIEW Realtime development, preferably on PXI or PXIe platform
- Experience in VHDL development
- Knowledge of industrial networks, e.g. RS485, Ethernet, Modbus, Profibus, Profinet
- Spoken and written knowledge of English with the ability to draw up technical texts.

Desirable

- Previous projects to integrate accelerator subsystems
- Experience in (object-oriented) LabVIEW development
- Basic knowledge of version control systems, i.e. git

What we offer

- a competitive salary and contribution to healthcare costs
- 24 days holiday plus the CERN closing days (approx. 6 days per year)
- career progression through training, development and attendance at conferences
- a friendly, international working environment with experts in their field
- the chance to be at the cutting-edge of proton therapy research

Applications

Interested candidates should submit:

- a cover letter
- a curriculum vitae,
- a bachelor's degree certificate or equivalent in a relevant field
- at a minimum, the names of 2 referees, or two letters of recommendation, and/or employment certificate/s
- any other relevant certificates, i.e. LabVIEW certificates

by email to the HR Administrator, Sabrina Lagrimosa: sabrina.lagrimosa@avo-adam.com

For further information please email our Group Leader, Control System Roland Moser, roland.moser@avo-adam.com

Job applications open on 15 May and will close on 31 May or until the position is filled.