Zurich Instruments AG
Technoparkstrasse 1
8005 Zürich
Switzerland

Phone   +41 44 515 04 10
Fax   +41 44 515 04 19
Email   info@zhinst.com
Web   www.zhinst.com

Zurich, 20.07.2017

Zurich Instruments is the technology leader for advanced test & measurement instruments for dynamic signal processing. Our products are used in many application fields by demanding researchers all over the world. Zurich Instruments' vision is to revolutionize instrumentation by incorporating the latest analog and digital technology into powerful measurement systems for unprecedented functionality and performance.

For our Research and Development team in Zurich we are looking for a

FPGA and Embedded Design Engineer

You are fascinated by measurement devices that provide 160dB signal-to-noise ratios and you have talent in contributing to a team all focused on getting things up and running? You want to develop the building blocks of tomorrow's quantum computer? This is your chance of working inside a high-end R&D team striving for the best-on-market measurement hardware and software solutions.

In this position you will be responsible for

- Conceptualization, modelling (MATLAB, Simulink), specification and verification of digital signal processing systems
- FPGA firmware design, simulation and implementation
- Embedded software development on multi-processor system-on-chip architectures
- Bring-up of hardware and firmware
- Close collaboration with software and hardware development teams
- Design documentation

Your Profile

Are you a result-oriented, intrinsically motivated person who loves to tackle challenges in a cooperative fashion? Do you feel inspired to work in a multicultural, high-tech environment?

- MSc or PhD in Electrical Engineering or Computer Science
- Expert for FPGA-VHDL workflows comprising all stages from modelling to timing closure, testing and verification strategies using modern tools (MATLAB, Python, Vivado, ModelSim)
- In-depth understanding of digital signal processing and algorithm development
- Experience in the definition and design of complex system-on-chip FPGA architectures
- Good knowledge of C and C++
- Proficient in English, additional languages are a plus

We offer

Zurich Instruments offers a diverse work environment with an open, sporty company culture where people develop and form the base of our joint success.

We are looking forward to receiving your resume and motivation letter at career@zhinst.com.