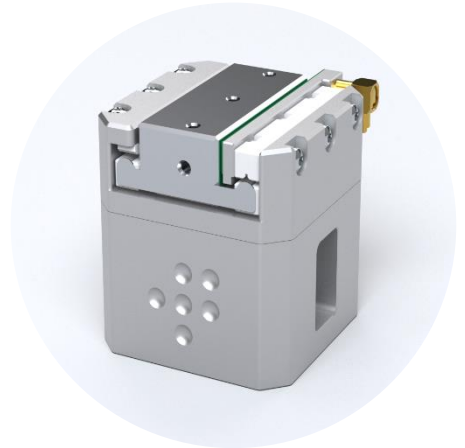# (Lead) Electrical Engineer

ABOUT ONNES

At Onnes Technologies we are working towards a Quantum Scanning Probe Microscope (qSPM) at cryogenic temperatures to enable single-spin resolution imaging of (quantum) materials and biological samples. We have launched a novel cryogenic nanopositioner product (arQtika) – a dedicated instrument for physics research at milli-kelvin temperatures and the starting component of any low temperature microscope.

Our team is composed of +10 people with various backgrounds in quantum physics, cryogenic engineering, nanotechnology, hardware and more. We work in close collaboration with leading scientists from the Leiden University and the Leiden School of Research Instrumentation.

ROLE OVERVIEW

Onnes Technologies is looking for an electrical engineer to take lead in the development of electronic products, for example related to the cryogenic nanopositioning systems. These developments range from making electronic designs, testing electronic components and setups, assist in outsourcing of the production, to writing supporting software to operate electronics. For this role, you'll have access to our workshop where you will be a vital part of the hardware team. Here, you will work on multiple and varied projects in collaboration with physicists, research instrument makers and mechanical engineers.

RESPONSIBILITIES

As Onnes' Electrical engineer you enjoy working hands-on with high-tech products and advanced instrumentation. You can translate engineering concepts into designs, build test setups and assist in organizing the production, including the certification of electronic products. You are well-organized person that is highly self-starting and enjoys working in a small team with little hierarchy and lots of room for new initiatives related to the fields of nano-mechanics, mechatronics, vacuum and cryogenic engineering.

YOUR PROFILE

- 2+ years of experience working in a professional environment as electrical engineer
- Experience with PCB design, signal generation & amplification, hardware testing
- Experience with software: hardware control with microcontroller, API/UI development
- Experience with python, C(++), Labview, ZeroMQ or equivalent

REMUNERATION

- Dynamic and inspiring high-tech environment
- Plenty of opportunities for professional development
- Competitive remuneration
- Fulltime or parttime employment with hybrid working options

APPLY NOW

Please send your resume (CV) and cover letter to info@onnestechnologies.com.

COMMITMENT TO DIVERSITY AND INCLUSION

Onnes Technologies is committed to creating a diverse and inclusive working environment. All qualified applicants will receive consideration for employment without regard to cultural, religious and/or ethnical background, gender, sexual orientation, disability or age.