

Senior electrical engineer hardware

We are looking for an experienced electrical engineer with a focus on design of high-end electronics. You will be responsible for the development and production of all our electronics and lead our electronics team. You will coordinate with suppliers and external partners. We have ambitious plans for new and faster readout electronics for which you will be our essential hire.

About us

Amsterdam Scientific Instruments is a fast growing high-tech company based at the Science Park in Amsterdam. We develop imaging detectors for X-rays, electron microscopy and mass spectrometry. Our advanced imaging detectors differ in many ways from conventional cameras. For instance, our cameras can give continuous streams of photon hits with coordinates and nanosecond timestamping information instead of just frames. Our key ingredient is a family of ASICs developed at CERN for fast particle detection. Our customers are researchers in both science and industry that use our detectors in a broad and expanding range of applications

What we need

You will be responsible for the development and production of all our electronics and lead our electronics team. You will coordinate with suppliers and external partners. We have ambitious plans for new and faster readout electronics for which you will be our essential hire.

- Hours: 32-40 hours
- Education: MSc relevant experience
- Background: electrical engineering
- Experience: schematic/PCB design > 5 years
- Skills:
- interfacing 1/10Gb Ethernet, PCIe, USB, I2C.
- Good knowledge of Mentor Graphics design tools (Expedition Enterprise/PADS professional)
- Excellent understanding of the latest FPGA architectures.
- Experience with hardware/software design and testing methodologies.
- Experience with lab instruments such as oscilloscope, signal generator etc.
- Plus: affinity with physics

What we offer

Our technology is state of the art and we constantly improve our products. We learn about new applications all the time. We work in close collaboration with Nikhef, the Dutch National Institute for Subatomic Physics, and CERN on developing our products. Our team is international and diverse and so are our lunch conversations.

In case you are interested, please send your cover letter and Curriculum Vitae to recruitment@amscins.com attn. Fei An Tjan.

In case of questions concerning this vacancy, make use of +31 207235200.

Acquisition calls by recruitment agencies will not be appreciated.

