

Technical Assistant (Teaching Labs and Electronics) - KU Leuven

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Company: KU Leuven

Location: Mechelen

Category: other-general

Diploma of secondary education with a basic electronics component, or equivalent knowledge acquired by experience

Able to apply basic knowledge of electronics effectively, read schematics and recognise electrical components

Able to work in a team, but also independently with a demonstrable proactivity and punctuality

Able to communicate in English and in Dutch, or willing to improve the latter.

Interested in working with students, facilitators and academic staff

Highly organised and good ability to plan.

Flexible, with willingness to either start early (7h30) or finish late (18h30) during no more than ten weeks across the academic year to support the timetables teaching labs. Willing to travel to other teaching facilities across Leuven to set-up and break-down demonstration experiments on approximately 15 occasions per academic year.

Able to prioritise and handle multiple tasks with competing deadlines

Familiarity with schematics software (e.g. Altium) or knowledge of software such as Labview is an advantage, but if you don't have this we'll teach you.

As Technical Assistant (Teaching Labs and Electronics), your role will cover two areas:

1. Supporting our teaching labs and our demonstration experiments

To prepare experimental set-ups used by our students to learn to apply their theoretical physics knowledge

To prepare demonstration experiments used in our lecture theatres to enrich our teaching and learning

To maintain and repair all equipment used in our teaching labs and in our demonstration lectures

To provide technical support to students and facilitators when conducting experiments in our teaching labs

To use our existing planning tool for scheduling our teaching labs and demonstration experiments

2. Providing a basic electronics support service

To mount electronic components onto PCBs

To make bespoke cables

To assemble and install electronic equipment

To carry out straightforward repairs to electronic lab equipment

Ontwerp van eenvoudige schakelingen

Tekenen van schema's in Altium

Technische ondersteuning van de onderzoekers bij problemen (helpdesk)

Je maakt deel uit van een innovatie-gedreven team waarin ieder zijn verantwoordelijkheid opneemt.

Are you fascinated by technology and electronics? Would you be happy to see instruments and experimental set-ups work to perfection? And can you see yourself working with students to support their teaching labs and demo sessions? Then you would be our perfect Technical Assistant Teaching Labs and Electronics! The Department of Physics and Astrophysics is part of the Faculty of Science within the Science and Technology Group. We are a dynamic, international and diverse community of some 400 researchers and

professionals. Our goal is to learn to understand the fundamental laws of nature, from the smallest possible particles to the very largest systems. We collaborate with organisations such as CERN in Geneva, contribute to space missions such as the James Webb telescope, develop sensors to detect bacteria, research acoustics, semiconductors, quantum physics, nuclear physics and radiation physics, gravitational waves and much more. To find out more about our department, go to:

We are offering a contract of indeterminate duration (open contract).

If you can take up all responsibilities from the start, you will be appointed in Grade 5. If you're a promising colleague who can't quite take up the full list or needs initial training, you'll be appointed in Grade 4.

In addition, we will also enable you to invest in your professional development. We'll give you every chance to develop your talent and skills.

You'll be joining a great team of technicians supporting a large groups of innovative and stimulating teaching staff and researchers from across the globe.

You will be working in Heverlee, on our easily accessible Arenberg campus.

In addition, KU Leuven offers many extra-legal benefits such as hospitalization insurance, group insurance, additional days of leave, free commuting by public transport, company bicycle, discounts in various shops, etc.

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