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Engineer in NEMS development (full time)

TU Wien is located in the heart of Europe, in a cosmopolitan city of great cultural diversity. Our identity as a research university means that we build our reputation through our research. TU Wien combines basic and applied research and research-oriented teaching at the highest level.

What we are looking for

As part of a contract research project, we seek an engineer with a strong background in microfabrication and prototyping who has a strong desire to bring a completely new type of nanoelectromechanical system (NEMS) infrared detector out of the lab and into the hands of real users. We offer a **2-year contract starting June 1st, 2022.**

We expect you to participate fully in the whole process, in tight collaboration with our contract partner Invisible-Light Labs, of taking our prototypes from the laboratory into the hands of users in various markets. You will work within a team of engineers and scientists with various backgrounds.

Your responsibilities will include:

- Microfabricate nanoelectromechanical detector prototypes in the cleanroom
- Assemble detector housing including vacuum, optic, and electronic components
- Modify designs based on user feedback and implement changes

We expect you to have:

- A degree in mechanical engineering, electrical engineering, mechatronics, physics or another relevant discipline
- Experience in prototype development
- Experience in 3D modelling and CAD design
- Fluency in English

Additional desirable skills include:

- Cleanroom experience
- Experience with vacuum technology
- Experience with optics
- Experience with materials
- Experience in aerosol technology
- Sensor experience



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We offer

We offer an opportunity to join a collaboration with a start-up with a unique technology based on research performed at the TU Wien. Our sensors offer a plethora of market opportunities where you can drive the business development.

Invisible-Light Labs is a young, dynamic, international and diverse startup which was listed as one of the top spin-offs to watch out for in 2021 in the DACH region by FORBES DACH.

Salary:

Salary of the position are according to collective labor agreement for employees at universities, salary group B1, based on 40 hours per week, a gross salary of currently EUR 42.820,00 per year. Payment in excess of this minimum salary is possible. We cannot sponsor a working permit or Visa so you should be able to work in Austria at the time of application.

Location: Our offices are located at TU Wien in the heart of the 4th district. Flexibility with working hours is possible.

Your Application

Please send us your CV and Letter of Motivation at kinza.arain@tuwien.ac.at

before April 17th, 2022.

Candidates are not eligible for a refund of expenses for travelling and lodging related to the application process. TU Wien intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.