

# Join our R&D team as **Photonics specialist** in a Deep Tech Scale-Up to work on cutting edge fiber optic sensing systems

## Who we are?

At PhotonFirst, we don't just work; we transform light into valuable data, pushing the boundaries of photonics sensing systems. With our cutting-edge sensing solutions we enable customers across various industries to unlock the benefits of photonic sensing.

In our pursuit, we embrace a pioneering attitude that has been encouraged in the company since its establishment. Combined with the evolution of our cutting-edge technology, we embrace a collaborative and supportive atmosphere where each team member plays a vital role in our collective success.

**We are looking for a **Photonics Researcher** to be part of our R&D team, realizing exciting new photonic sensing solutions, involving the latest findings at the frontiers of integrated photonics, and obtaining the best performance in our sensing solutions. By pushing these limits, we continue to deliver solutions to our customers beyond the state-of-the-art in Fiber Based Sensing technology.**

## What we offer

- Opportunity to join a front-runner in Fiber Sensing & Integrated Photonics in an autonomous role with scope to further develop technical skills
- A practical working environment where very precise sensing systems make a difference for our customers. With access to the latest technologies and lab facilities to push the frontiers in fiber sensing
- An entrepreneurial adventure that will accelerate your development
- Awesome technical environment and colleagues forming a unique team of excellence

## The Role

- You develop and maintain our cutting-edge knowledge and expertise on integrated photonics and fiber sensing, from the fundamental physics and technology to the adapted models and experiments of relevance to enable us new product developments and sensing architectures
- You design, assemble, test experiments and simulations to characterize, improve and demonstrate new research topics and requests
- Operating from our location in Alkmaar
- Temporary position (1 yr) with outlook on long-term position(s)
- A mix of practical work in a lab environment as well as simulations and design work on sensing architectures

## Team and culture

PhotonFirst is a young and maturing professional organization. We have developed a strong pragmatic team mentality in which we work and experiment together to achieve common goals. We are looking for a wide diversity of people coming from different backgrounds to join our team.

If you are someone who thrives in a collaborative and innovative environment, and you meet the qualifications above, we are excited to get to know you! Please send us your CV to [recruitment@photonfirst.com](mailto:recruitment@photonfirst.com)

## You

- A result-driven researcher, problem-solver and creative thinker towards new ideas and an efficient. Ability to comprehend, gather information, and of the solution hands-on, and are able to design, prototype and install, test and validate independently or with colleagues from other expertise
- Have a MSc degree in physics or electrical engineering, and 1 or more years of experience as researcher/engineer in a relevant field, e.g. a PhD or other professional (experimental) research experience
- Have affinity with simulation (Python and/or MATLAB), experimentation (photonics a pre), data processing and comprehensive reporting
- Like the dynamics of a small, fast moving company
- Are living in The Netherlands?