- As a Company, we have earned a reputation of a world leader in the production of infrared detectors We have our proprietary technology as well as the facilities necessary to implement new solutions
- As a Team, we combine passion for scientific achievements with the pursuit for their business applications
- As Employees, we foster a friendly atmosphere and open communication, which help us respond to the needs of even the most demanding Customers
- If you would like to join us, we are currently looking for a person for the position of:

PDK DEVELOPMENT SPECIALIST

Job-related tasks

- Performing R&D works in Process Design Kit development for the mid-infrared integrated photonic platform (MIRPIC)
- Designing and evaluating mid-infrared waveguiding components (waveguides, MMIs, AWGs etc.)
- Developing the library of components for the MIRPIC platform
- Preparing design rule check algorithms and methods
- Preparing PDK technical files and documentation
- Development of the assembly design kit (ADK) for the mid-infrared photonic integration platform
- Co-developing measurement and testing setups
- Directly cooperating with other teams and departments within the company
- Directly cooperating with external research teams

Required skills and/or experience

- MSc degree in photonics or photonics-related fields
- Detailed knowledge of light-matter interactions' physics, light propagation in free space and waveguiding media (dielectric and semiconductor), and relevant numerical methods. Knowledge in nonlinear optics will be considered as an additional asset
- Comprehensive knowledge and practical skills in modeling and designing photonic integrated components and circuits. Experience in utilizing commercially available software and developing in-house/self-made numerical models
- Experience/practical skills in the development of new photonic integration platforms
- Experience/practical skills in the development of process design kits for photonic integration platforms
- Experience in planning experiments to validate numerical outcomes, coupled with practical abilities in data extraction from experiments
- Active command of English
- Strong analytical and communication skills
- Effective teamwork capabilities
- Ability to work under time pressure

Why apply to VIGO?

- We treat every application as an expression of the highest trust and give it the attention it deserves We provide ALL applicants with an update on the application procedure as soon as possible
- The selected person will be offered stable employment, an extensive employee benefits package, and professional training and development opportunities
- We provide an elaborate induction process and make sure that every new VIGO Employee feels a part of our team from the very first day

If you are interested, please send your application documents via the website:
https://vigocompl/en/about-us/career/

Other valuable qualifications and skills

- Knowledge of mid-infrared technologies (light sources, detectors, waveguiding elements)
- Knowledge of mid-infrared communication and sensing techniques
- Experience in the field of heterogeneous/hybrid photonic integration technologies
- Relevant experience in the photonics industry or R&D-oriented institutes
- Experience in working in multilanguage and multicultural R&D teams

Job-related benefits

- KPI-based bonus system
- Private medical care programs
- Selection of life insurance packages
- Business phone for private use
- Employee canteen with free coffee and tea
- Holiday subsidy
- Parking for employees

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