Trapped-Ion Development Engineer (f/m/div)*

Job description

Are you looking for a new challenge, eager to make quantum computing a reality? Then this is your chance since we are offering a position in the field of trapped-ion technology development! As a trapped-ion development engineer, you will join our highly motivated international team to drive the industrialization of trapped-ion quantum computing in collaboration with our costumers and academic partners. To that end, you will develop and deploy micro-optical components to be integrated into our ion trap modules and define the optical interfaces towards control optics as well as towards the ion trap chip. Use this opportunity and apply now!

In your new job you will:

- Drive the **integration of micro-optics** for trapped-ion quantum processors **on module level**
- **Define interfaces** to experimental control optics as well as the ion trap chip
- Be responsible for **internal technology development projects** as well as **research projects with academic and commercial partners**
- **Supervise master and PhD students**

With this position you will be entering the „technical ladder": our career path for experts. You will be able to focus deeply on technology – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products improve our world a bit more each day.

Profile

Your specialty is the combination of working accurately and maintaining a high degree of flexibility. Furthermore, you bring a structured, efficient working style and know how to independently prioritize accordingly. With your hands-on mentality and your team player mindset, you know how to establish lasting relationships and networks with colleagues and costumers.

You are best equipped for this task if you:

- Are a **highly motivated** individual who wants quantum computing to become a reality
- Have a **PhD in physics, electrical engineering, material science** or similar
- Bring **3+ years of experience** in **micro-optics, micro-assembly or integrated optics**
- Additionally bring experience in the field of or **trapped-ion quantum computing** as a plus

At a glance

Location:	**Villach (Austria)**
Job ID:	**349979**
Start date:	**as soon as possible**
Entry level:	**3-5 years**
Type:	**Full time**
Contract:	**Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: 349979
www.infineon.com/jobs

Contact

Manuel Krebs
Talent Attraction Manager

- Are **fluent in English**, German skills or willingness to learn it as additional advantage

We offer competitive salaries and additional benefits based on your performance, experience and qualification. The employment is in accordance with the collective salary and wage agreement for employees of the electrical and electronics industry, employment group G-H (https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2022.pdf). The monthly salary is paid 14 times p.a. We offer a higher compensation depending on your expertise and skills.

Benefits

- **Villach:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home office options; Part-time work possible (also during parental leave); Sabbatical; Child care in Villach & Klagenfurt; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Accessibility, access for wheelchairs

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

– Power & Sensor Systems (PSS) drives leading-edge power management, sensing, and data transfer capabilities –

Infineon **PSS** semiconductors are enabling intelligent power management, smart sensitivity, and fast, reliable data processing in an increasingly digitalized world. Our state-of-the-art power and connectivity devices make chargers, servers, mainboards, power tools, and lighting systems smarter, smaller, lighter, and more energy-efficient. In addition, our trusted sensors give things an intuitive sensing capability to make them contextually aware, and our RF chips support fast and reliable data communications. Click here for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

At **Infineon in Villach** you shape the technologies of tomorrow and work in an international environment with more than 3900 colleagues from over 70 nations. Your personal contribution will be valued and appreciated as the cornerstones of our success. And all that in beautiful surroundings which guarantee a high quality of life.

The **City of Villach** is located in the center of Carinthia, Austria's southernmost province, in close proximity to the Italian and Slovenian border. Due to its particular geographic location and the outstanding natural beauty of the region, Villach and the whole province of Carinthia have for generations been popular holiday destinations for people from all over the world. Living in Austria also has many social, health-care-related and economic perks. The country's social and health care system is among the best in the world and for decades numerous international surveys have singled out Austria as a particularly safe and wealthy country with a high quality of life. Villach benefits from its status as a "small town", offering everyday living at affordable prices in an outstanding setting.

Find out what you like most about Villach and join us:
https://www.welcome2villach.at/

** The term gender in the sense of the General Equal Treatment Act (GETA) or other*

national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.