



Mixed-Signal Physical Design Engineer Quantum Computing (f/m/div)*

Job description

Do you want to work in the emerging field of quantum computing? Are you passionate about Mixed-Signal Physical Design and its physical implementation on Silicon? Then our growing quantum computing team is looking for you. Join us to make large scale quantum computing a reality!

With this position you will be entering our „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.

As Mixed-Signal Physical Design Engineer you will be **responsible for the layout** as well as for the **design and verification** of cryogenic mixed-signal ICs.

In your new role you will:

- Be responsible for **full custom layout** of analog and mixed-signal ICs including **floor planning**
- Perform **design** and **pre-silicon verification** of cryogenic analog and mixed signal circuit blocks
- **Work closely** together with **concept & system engineering** as well as ion trap fabrication
- Generate **design documentation**
- Supervise and support **PhD- and Master students**
- Support **tape-out activities** and act as **interface to chip fabrication**

Profile

You describe yourself as a highly enthusiastic team player who thinks and acts cooperatively, being able to quickly establish successful collaborations. You are receptive to other ways of thinking and have the passion to develop new ideas and to solve complex problems. With your structured working style, you are able to demonstrate high quality standards for yourself and other people.

You are best equipped for this task if you:

- Bring a degree in **Electrical Engineering, Microelectronics** or a similar field
- Gathered at least **3-5 years of experience** in **layout** and **mixed signal design**
- Have experience with **cadence design tools** (such as Virtuoso, Spectre etc.)

At a glance

Location: **Munich (Germany)**
Job ID: **342566**
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: **342566**
www.infineon.com/jobs

Contact

Christian Miller
Talent Attraction Manager



- Are a **team player** who wants to make **quantum computing a reality** together with an **interdisciplinary team** of engineers and physicists
- Have fluent English skills, German is a plus

Prior experience in the field of **cryogenic circuit design** or **quantum computing** is not mandatory but definitely a plus.

Benefits

- **Munich:** 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; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; Access for wheelchairs

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

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

Infineon **PSS** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world. Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

[Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

** 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.*

