



Principal Engineer for 3D Electromagnetic Simulation (f/m/div)*

Job description

Are you looking for a new challenge? Are you used to work proactively and interdisciplinary? Are you ready to bring your know-how into an innovative, future-oriented company? Then Infineon is the place to be for you!

In your new role you will:

- Be **responsible for methodology development** as well as the **improvement of the RF design flow** and **drive methodology projects in collaboration with internal partners** at different product lines
- **Closely cooperate with analog circuit and physical design engineers**
- **Drive best practices, lessons learnt from evaluations/benchmarks and customer interactions back into Methodology development**
- **Closely collaborate with our post silicon validation team to ensure a good correlation between simulation and measurement**
- **Proactively consult design projects to ensure proper and efficient usage of working environment, software tools and related methodology**
- **Support Infineon RF product development teams with full 3D electromagnetic simulation including the package/PCB models and RF expertise showing optimization potentials for future technologies or products**
- **Align thermal and mechanical simulation methodologies with the packaging organization**

Profile

You are best equipped for this task if you have:

- **A Master degree in Electronic/Electrical Engineering**, or a similar field of studies
- **More than 5 years of professional experience with RF electromagnetic simulation tools**, such as Keysight Advance Design Studio (ADS), Ansys High Frequency Structure Simulator (HFSS) and Cadence Virtuoso chip design environment
- **Multi-die and multi-technology (MCM) RF system integration experience**
- **Knowledge of simulation, modeling and characterization of microelectronic packages, printed circuit boards, passive components and/or antennas**
- **Proven expertise in developing methodologies and extrapolating own ideas**
- **Fluent in English**, German is a plus

At a glance

Location: **Villach (Austria)**
Job ID: **332432**
Start date: **Oct 01, 2022**
Entry level: **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: **332432**
www.infineon.com/jobs

Contact

Carmen Wernle
Talent Attraction Manager



Your strong communication and interpersonal skills support your ability to establish close cooperation with cross-functional internal teams and external EDA vendors. In addition, you promote a strong team cohesion through your communicative nature and quickly establish a trusting, constructive cooperation.

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry, employment group I (<https://www.feei.at/wp-content/uploads/2022/05/minimum-salaries-white-collar-workers-2022.pdf>). A higher payment is negotiable depending on your expertise and skills. Furthermore, Infineon offers additional employee benefits.

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.

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.

The central R&D organization „**Design Enabling and Services**“ (DES) provides the design environment to the different Infineon product development teams. With state-of-the-art design methods, building blocks and a wide range of product development services DES supports Infineon's advanced IC development from early high level system models to verified products ready for manufacturing.

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. Its unique landscape combines mountains and valleys, lakes and rivers, city and countryside. In addition to the favorable geographic location, 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. So it's no surprise that the city on the Drau is considered the “home of work-life balance”.

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.*

