



## Staff System Simulation Engineer for Automotive Power Systems (f/m/div)\*

### Job description

You want to be part of a creative and innovative cross-country team and shape the future of mobility? You have a passion for Simulation, Emulation, Algorithms, Systems, Automotive? This role will give you the chance to be part of a brand-new development area in the Bucharest Automotive environment with a focus on system level integration. This is part of Infineon's strategic "Product to System" approach and expands the existing team in Munich.

In your new role you will:

- **Create system simulations** for automotive applications to support customer feasibility studies, e.g. for power converters (traction inverter, on-board charger), power distribution, E/E-architecture
- **Develop, investigate & verify application models** for analog and digital circuitry simulation
- **Support system architects and application engineers** when it comes to simulation and emulation topics
- **Evaluate** internal and external **customer requirements** and derive feasible solutions
- **Provide technical documentation, support and training** for internal and external customers

### Profile

You are ambitious and drive tasks to completion. You constantly strive to make things better, faster, more efficient. You are a team player and able to quickly establish successful cooperation. You tackle problems actively and go in-depth to understand root cause. You remain focused on solutions, open, flexible in uncertain situations.

You are best equipped for those tasks if you have:

- A degree in **Electrical Engineering, Physics or a related field of study**
- Ideally **3-5 years of practical experience in the development of electronics** (eg: automotive power converters like DCDC, OBC, traction inverter) and the ability to collect and understand the market requirements on system level
- Good experience on **analog circuit simulations (SPICE-based preferred)** and **electro-thermal co-simulations**

### At a glance

Location: **Bucharest (Romania)**  
Job ID: **336752**  
Start date: **as soon as possible**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

**Tiago Novais**  
Talent Attraction Manager



- Knowledge with **system simulation tools** e.g. **MATLAB/Simulink** for physical system modelling, **control algorithm development**. Automated code generation is a plus
- **Basic SystemC know-how** and embedded programming would be desired
- Basic skills on the PCB-design **is a plus**
- Fluent English skills

## Benefits

- **Bucharest:** 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 hours at many sites; Home office options; Medical coverage; Health promotion programs; On-site gym with special rates; On-site canteens; Wage payment in case of sick leave based on applicable law; Corporate pension benefits for engineers; Performance bonus options; 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 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.*

