



Principal System Simulation Engineer (f/m/div)*

Job description

Are you passionate about Simulation, Emulation, Algorithms, Systems, and Automotive? Do you want to be part of a creative and innovative cross-country team and shape the future of mobility? Then join us in Bucharest and lead a brand-new development area in the Bucharest Automotive environment.

You want to be part of a creative and innovative cross-country team and shape the future of mobility? And you have a passion for Simulation, Emulation, Algorithms, Systems, Automotive? This role will give you the chance to technically lead 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 this new role you will:

- **Technically lead and shape the vision & direction** of the newly established system simulation team in Bucharest
- **Set the technical direction in terms of methodology, tooling and simulation environments** together with Munich counterparts; **influence technical roadmaps** based on your market analysis and identified customer needs
- **Be the main counterpart for system architects** when it comes to simulation and emulation capabilities; generate value with your ideas and solutions
- **Develop, investigate & verify application models for analog and digital circuitry simulation**
- **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
- **Provide technical documentation, support and training for internal and external customers**

Profile

You enjoy being a technical lead and you are able to motivate your teammates to generate innovative ideas and strive for continuous improvement. Moreover, your communication skills enable you to interact with both management and technical experts. You identify opportunities for improvement and solve problems quickly and

At a glance

Location: **Bucharest (Romania)**
Job ID: **345392**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **345392**
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Contact

Tiago Novais
Talent Attraction Manager



precisely by using different expertise areas of your extensive network of experts.

You are best equipped for those tasks if you have:

- A degree in **Electrical Engineering, Physics or a related field of study**
- At least **7 years** of experience in the **development of automotive power electronics** (eg: DCDC, OBC, traction inverter) and the ability to collect and understand the market requirements on system level
- **Technical lead experience**, preferably in cross-country teams
- Solid know-how on **analog circuit simulations (SPICE-based preferred)** and **electro-thermal co-simulations**
- Broad experience with **system simulation tools** e.g. **MATLAB/Simulink** for physical system modelling, control algorithm development. Automated code generation is a plus
- Basic skills in System **C and embedded programming** 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.*

