

Research associate (w/m/x) with the possibility of earning a PhD

Department Elektrotechnik-Elektronik-Informationstechnik (EEI), Erlangen, TV-L E 13, Vollzeit, Befristete Anstellung, Bewerbungsschluss: 30.06.2024

Ihre Aufgaben

Working on research projects to improve the ecosystem around open-source design software for the development of integrated circuits and their packages. This includes the integration of various software packages for modelling and simulation, the development of modern algorithms for extracting the dynamic thermal behaviour of spatial geometries as well as the development of demonstrator ICs and the subsequent experimental verification.

Ihr Profil

Notwendige Qualifikationen:

- ▣ A successfully completed university degree (Master's or comparable) in electrical engineering, physics, computer engineering, mechatronics or a similar technical specialisation.
- ▣ Knowledge of transistor circuit technology and software development as well as a good understanding of physics.
- ▣ Very good analytical and conceptual skills as well as a structured way of working.

Wünschenswerte Qualifikationen:

- ▣ Knowledge of the design and simulation of high-frequency systems and circuits (e.g. with ADS, Cadence Virtuoso, qucs).
- ▣ Knowledge in the field of field simulation (electromagnetic, thermal etc., e.g. HFSS, CST, Momentum etc.).
- ▣ A high degree of independence, initiative and commitment.

Stellenzusatz

Would you like to do research in the field of high-frequency integrated circuits and packages and improve the life of tomorrow? Then the Institute for Electronics Engineering is the right place for you. Our research focuses range from system design and circuit design to individual component characterisation in our own laboratories. Many research activities are carried out in close co-operation with industrial partners and (Bi-)CMOS semiconductor technologies at the cutting edge of technology.

Interessiert?

Die vollständige Stellenausschreibung sowie alle
Infos zum Bewerbungsverfahren finden Sie hier:

