Wachstumsregion DRESDEN

Barkhausen Institut gGmbH: Student Assistant – Radio Frequency Printed Circuit Boards Design, Fabrication & Measurement (m/f/d)

Arbeitsort: Würzburger Str. 46, 01187 Dresden
Einstellungstermin: nächstmöglich

The Barkhausen Institute performs research on the latest hardware, software and communication technologies and demonstrates their application in tomorrows society. Our goal is to build a flexible and trustworthy IoT platform based on reliable electronics and secure communication methods. The RF Design Enablement group researches and develops dependable IoT systems with focus on three key research topics such as joint radar-communication system, antenna-system design with meta-surface and physical layer security. We focus our research on designing building blocks, while identifying critical hardware parameters for next-generation hardware systems and applications. To help pursue our research agenda, we are looking for a Student Assistant ? Radio Frequency Printed Circuit Boards Design, Fabrication & Measurement (m/f/d) (up to 19 hours/week for 3-6 months) The project The SHK will design application specific radio frequency electronic modules using a combination of simple planar RF-components and off-the-shelf surface mount blocks. The SHK will manufacture the boards with our in-house manufacturing facility or through third party manufacturers and assemble the boards for measurement. Your tasks - Designing and simulating simple planar RF-components (e.g., hybrid couplers) using EM simulation software (AWR, HFSS, etc.) - Multilayer PCB designs with tailor-made RF and off-the-shelf SMT components using software tools (e.g., Altium designer, KiCAD, etc.) - Manufacturing of the boards using LPKF machine or third-party manufacturing services ... Hinweis: Dies ist eine gekürzte Anzeige von MINTsax.de - MINT Stellen aus Deutschlandweit. Alle Details erfahren Sie in der Originalanzeige auf https://www.mintsax.de/jobs/214335/student-assistant-radio-frequency-printed-circuit-boards-design-fabrication-und-measurement-m-strich-f-strich-d-in-dresden. Mit Klick auf die Schaltfläche 'Weiter zur Bewerbung' (oder ähnlich lautend) kann es sein, dass Sie hier erst ein Konto anlegen müssen. Sie finden diese Anzeige auch direkt auf der Karrierewebseite des Arbeitgebers auf Empfehlungsbund.de. Schlagworte: RF, radio frequency, electrical engineering, computer sciences, student assistant, IoT, Simulation.

Kontakt

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www.itsax.de/jobs/125123/gruppenleitung-scalable-computing-hardware-m-strich-w-strich-d-in-dresden?utm_campaign=Feedexport-ff&utm_content=ff&utm_medium=web&utm_source=wachstumsregion-dresden&utm_term=ff-Stelle