

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer IIS.

For the »Positioning and Networking« department in **Nürnberg**, the Fraunhofer Institute for Integrated Circuits IIS is currently seeking

Student Assistants / Interns / Thesis Students for GNSS Receivers and Antennas

In many applications of everyday life (e.g. navigation) and critical infrastructures (e.g. energy, IT or mobile networks) **Global Navigation Satellite Systems (GNSSs)** are used as information sources of position and time. This requires receiver and antenna technologies that provide precise as well as reliable position and time information.

Within the »**Precise GNSS Receiver**« group at Fraunhofer IIS we develop your own GNSS receivers and antennas for a wide range of applications. In order to obtain precise measurements, we continue to improve our receivers and implement the appropriate methods for the respective applications. Therefore, we are searching for a variety of students to work with us on different topics.

You are interested in Global Navigation Satellite Systems, you want to get experiences within a research institute and develop future solutions?

Then we have the right job for you

- You get familiar with GNSS receivers and signals
- You read up on reference documentation
- You take care of the report and the documentation of the work
- You work on one of the following topics:
Sensor fusion (C++, Python), Multipath detection (C++, Python), Test setup preparation and execution (Matlab, Python, Bash Scripts), PVT calculation with Factor Graphs (C++, Python), Record and Replay of GNSS signals (VHDL), decoding of GNSS navigation messages (C++)

Your profile

- You are currently studying electronics and information engineering, computer science, mathematics, geodesy, space engineering or a related field
- You are interested in GNSS and have knowledge in C++, Python, Matlab or VHDL (depending on your task)
- You have basic understanding of Git
- Your knowledge with GNSS, signal processing or Linux is a bonus

What you can expect from us

- An **open** and **cooperative** working environment
- Collaboration in **interesting** and **innovative projects**
- Many opportunities to gain **practical experience** and attend seminars
- **Flexibility** concerning your working hours

If you have any questions about this opening, please contact Katrin Dietmayer (Katrin.dietmayer@iis.fraunhofer.de), Muhammad Saad (Muhammad.saad@iis.fraunhofer.de) or Fabio Garzia (Fabio.garzia@iis.fraunhofer.de).

We can also offer you the opportunity to complete a **student thesis** in conjunction with our institute in one of the aforementioned fields. The thesis will be assigned and carried out in accordance with the rules of your university. For this reason, please discuss the thesis with a professor who can advise you over the course of the project.

Interested?

Please [upload](#) your cover letter, your CV and your latest transcripts of records (as PDF) to apply for this position. Take care to involve which type of employment you prefer, your main interests of the before mentioned tasks and how many working hours and duration you have planned. Applications are possible **in German and English** please quote ID number **63336-LV**. Address your application to Nina Wörlein.

Please let us know how you learned about this job opportunity.

Additional information is available on our website: www.iis.fraunhofer.de/en