



## ABOUT FRAUNHOFER FHR

The Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR has been creating new radar techniques and refining existing ones for more than 60 years. The institute develops concepts, techniques, and systems for electromagnetic sensors in conjunction with innovative signal processing methods and cutting-edge technologies from the microwave to the lower terahertz range. Its internationally renowned and highly appreciated expertise covers nearly all subfields of radar technology. With a budget of €38.4 million (2018) and a staff of more than 350, Fraunhofer FHR is one of the largest radar research institutes in Europe.

With its space observation radars TIRA and GESTRA, comprehensive facilities for digital and analogue circuit board manufacturing technology, measurement capabilities into the terahertz range, several anechoic measuring chambers, vehicles equipped with radar systems and a microlite aircraft for radar surveillance from the air, Fraunhofer FHR offers excellent possibilities – not only for the development of modern electronic sensor systems but also for the training of technical and scientific personnel.

## CONTACT

### **Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR**

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### **Head of the Institute**

Prof. Dr.-Ing. Peter Knott (executive)  
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## YOUR FUTURE AT FRAUNHOFER FHR





## STUDENTS AND GRADUATES

Find the contaminant in the chocolate bar. Detect air pockets in plastics and hollow spaces in adhesions. Or even discover satellites in space. With radar and high frequency techniques, you can make visible what is hidden.

These are some of the many exciting subjects we explore at Fraunhofer FHR. We are always on the lookout for creative minds to join us in our quest to advance high frequency research.

**We look forward to employing the following candidates from the fields of electrical engineering, physics, mathematics, informatics, and comparable areas:**

- Undergraduate assistants
- Students who would like to write their thesis at our institute
- Students who would like to gain experience during an internship semester
- Doctoral candidates
- Scientific staff members

## WHAT WE OFFER

### Practice-oriented research

We research future technologies in collaboration with industry partners to the benefit of society.

### Training opportunities

We support you in a variety of ways so that you can keep growing: seminars, e-learning and individualized continuing training.

### Attractive employer

According to current surveys, Fraunhofer-Gesellschaft is one of the most popular employers in Germany.

### Internationality

Teams, projects, science transfer: Internationality is a key priority at Fraunhofer FHR. You will join scientists from all over the world to work on international projects and visit conferences at home and abroad to promote the exchange of knowledge.

### Work meets recreation

You can only be productive if you have enough time to relax. That is why we welcome a healthy balance between work and recreation. Many colleagues even meet up regularly after work for leisure activities.

## DOCTORAL CANDIDATES

Fraunhofer FHR has an excellent research network and close links to national and international colleges and universities. Both of the institute's directors are professors at the Institute of High Frequency Technology (IHF) at RWTH Aachen University: Prof. Dr.-Ing. Peter Knott holds the Chair of Radar Systems Engineering and Prof. Dr.-Ing. Dirk Heberling the Chair of High Frequency Technology. As doctoral supervisors, they stand by their postgraduates while ensuring a working environment with an optimal balance between science and applied research. Depending on the subject-area, we also support doctoral studies with other professors.

In addition to the direct cooperation with colleges and universities, the doctoral candidates at Fraunhofer FHR also benefit from ideal work and research conditions to further their scientific careers. For the most part, the research work at the institute is generally done on the doctoral project. An internal doctoral program will support you in your endeavors while mentors will provide you with individualized assistance and counseling.