

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

VEHICLE DEVELOPMENT IS NOT JUST YOUR JOB, BUT YOUR CALLING? YOU LOVE A CHALLENGE AND SET AMBITIOUS GOALS FOR YOURSELF? AT THE FRAUNHOFER IVI, WE CAN OFFER YOU AN INTERESTING POSITION AS A

**RESEARCH ASSOCIATE (F/M) FOR
GERMAN – US-AMERICAN PROJECT
IN THE FIELD OF AUTOMATED DRIVING
IN DRESDEN, GERMANY / RENO, USA**

The majority of the significant innovations relate to vehicle electronics and software. Initially, new features need to be tested prototypically before further development and implementation. Within the department »Vehicle and Transport System Engineering«, you will design, develop and dimension novel transport systems, fully electric or hybrid powertrains as well as complete vehicle prototypes.

Strengthen our team in the field of development and testing of automated driving functions. You can accompany exiting projects from the very idea to the final tests on the street. Your position includes an overseas stay of 15 months in the USA, where you will develop, apply and test various functions of a highly automated vehicle. Gain intercultural experience within the framework of a transatlantic cooperation project with great potential for the future!

What we expect from you

- Master's degree or Ph.D. in Electronic Engineering, Automotive Engineering or similar subjects
- an interest to develop solutions in the following fields: function development for automated vehicles, systems in the automotive industry and programming of vehicle steering systems
- a high level of commitment and flexibility
- refined organizational skills and reliability
- good language skills in English and German

Ideally, you already have experience in

- developing software for vehicle control systems
- applying functions in passenger cars or utility vehicles

What you can expect from us

- an overseas stay of 15 months in Reno
- exciting tasks in the field of development and testing of automated driving
- a wide range of interesting and challenging tasks
- motivated teams in an open and cooperative working environment
- well equipped technical infrastructure
- flexible working hours

Apart from your 15 month-stay overseas, you will work at the premises of the Fraunhofer IVI in Dresden. After an initial induction phase of three months in Dresden, you will move to Reno/USA for 15 months, where you will work in the binational project team at one of our partner universities.

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD).

In case of identical qualifications, preference will be given to severely disabled candidates.

The Fraunhofer-Gesellschaft is committed to providing equal career opportunities for men and women.

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

The Fraunhofer Institute for Transportation and Infrastructure Systems IVI employs over 100 researchers in four departments. The institute collaborates closely with the universities TU Dresden and TU Bergakademie Freiberg.

The University of Nevada, Reno (also UNR) is a public research university. Founded October 12, 1874, UNR is the sole land grant institution for the state of Nevada. According to the Carnegie Classification of Institutions of Higher Education, the University of Nevada is a research university with high research activity. The campus is home to the large-scale structures laboratory in the College of Engineering. The Nevada Terawatt Facility, located on a satellite campus of the university, includes a terawatt-level Z-pinch machine and terawatt-class high-intensity laser system – one of the most powerful such lasers on any college campus in the country.

The campus of the University combines the original 10-acre physical footprint of the University when it was re-established in Reno in the 1880s with a modern high-impact research university setting. The flow of the 290-acre campus starts with an historic precinct of built landscape features and late 19th and early 20th century buildings which were added to the National Register of Historic Places in 1987, a mid-campus area characterized by fall/spring foliage areas and modern architecture, and a northern quadrant featuring the University's newest and most technologically advanced buildings.

For more information, visit UNR on line at: <http://www.unr.edu>

If you have any further questions, please contact:

Dr. Frank Steinert

Phone: +49 351 / 4640 846

frank.steinert@ivi.fraunhofer.de

Please send your electronic application including all relevant documents and referring to the job reference no. to

Kornelia Brüggert:

bewerbung@ivi.fraunhofer.de.

Job Reference: IVI-2017-20

The Fraunhofer Institute for Transportation and Infrastructure Systems IVI, Dresden



The University of Nevada, Reno

