

SETLabs Research GmbH is specialised in developing software-intensive systems and innovative domain-open solutions by bringing software, simulation and the respective HW/SW integration together. This results in the development of application-oriented solutions that are used in the automotive or rail domain and will be further extended to robotics, logistics, energy and healthcare. Our vision is to advance domain-open Software Enabled Technologies. SETLabs represents a subsidiary of VIRTUAL VEHICLE, an internationally leading research organization.

The objective of this role is to contribute to the **development of a next-generation open, decentralized data ecosystem** to support the **virtual development of Automated Driving**. Together with national and international partners from research and industry, you will revolutionize the development of automated driving functions based on **Digital Twins** in joint research projects and contribute to enabling **transparent data-driven business models**.

We are **currently** looking for a

Junior Researcher Automotive Simulation (m/f/d)

TASKS

- Contribution to the development of an open, decentralized data ecosystem for Digital Twin development in the field of Automated Driving.
- Virtual integration of components (e.g., sensor models) in vehicle simulation environments for the simulation of Automated Driving functions
- Integration of methods for quality assessment and certification processes for models and data in simulation
- Analysis, semantic classification and use of data for simulation
- Continuous development of a Digital Twin of the virtual value chain of Automated Driving components
- Technical management and responsibility for tasks, work packages and projects

OFFER

- Possibility to write a PhD thesis
- Challenging activities in a prestigious international network
- Contractually secured home office models and flexible time management
- Collaboration and contributions in a young dynamic team
- Mentoring programme for new employees'
- Personal and professional development opportunities on any career level
- Flat hierarchies and freedom for taking responsibility and own ideas
- Regular participation in scientific conferences
- Team building and company events on a regular basis

PROFILE

- Master's degree in Informatics, Computer Science, Automotive Engineering (with a focus on Automotive Software) or related STEM degree with according track record
- Practical experience in the field of vehicle simulation and/or modelling
- Knowledge in the area of ADAS/Automated Driving
- Experience with data sets used and applied in Automated Driving
- Experience in the development of software for the automotive industry and/or its interfaces is a plus
- Enjoy working scientifically in applied research (preparation of publications, presentations at national and international conferences etc.)
- Basic knowledge of German required

APPLY NOW and JOIN OUR TEAM

Your Contact:

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