

SETLabs Research GmbH is specialized 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

Senior Researcher Automotive Software (m/f/d)

TASKS

- Contribute to the development of an open, decentralized data ecosystem for Digital Twin development in the field of Automated Driving.
- Identification of requirements and definition of roles in the data ecosystem from the perspective of Automated Driving simulation
- Design and implementation of interfaces to connect vehicle systems and test fields to the underlying infrastructure ecosystem
- Design and implementation of interfaces to connect the data ecosystem to development tools (e.g., driving simulator)
- Implementation of Advanced Smart Services for quality assessment and certification of models and data in simulation
- Coordination of real tests to collect development and validation data for the simulation
- Technical management and responsibility for tasks, work packages and projects

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 automotive software development
- Experience in the area of ADAS/Automated Driving
- Experience with communication systems and data sets for Automated Driving and their interfaces
- Knowledge in the field of vehicle simulation and/or modelling is a plus
- Knowledge in the field of test management and data collection for Automated Driving is a plus
- Enjoy working scientifically in applied research (preparation of publications, presentations at national and international conferences etc.)
- Basic knowledge of German required

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

APPLY NOW and JOIN OUR TEAM

Your Contact:

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