



APPLY NOW

VIRTUAL VEHICLE

VIRTUAL VEHICLE is an internationally successful research and development center for virtual vehicle technologies. We deal with future vehicle concepts and future development processes. Current developments in the field of powertrains and driver assistance systems are leading to strongly software-based vehicles (software-defined car) and therefore require a rethink and new approaches in vehicle development. With over 300 employees, we are the largest research center for virtual vehicle development in Europe. We are working on safe, environmentally friendly and affordable vehicles of the future.

The objective of this role is to work in the Power & Components team, which deals with research and development around the traction battery and the electrified powertrain of vehicles in order to increase efficiency, range, safety and reduce costs.

We are **currently** looking for a

Researcher in the field of Power & Components (f/m/d)

Your Tasks

- Development activities in the field of electromobility.
- Building up knowledge in the field of lithium-ion batteries.

- Research/pre-development of battery management systems (BMS).
 - SoX algorithms.
 - Further development of BMS hardware.
- Battery modelling (cell/modules/packs).
- Simulation of e-powertrain.
- Collaboration in national/international research projects.
- Preparation of publications/journal papers.

Your Profile

- Degree in Information and Computer Engineering (Telematics)/ Electrical Engineering/ Electronics.
- Interest in electromobility/traction batteries.
- Very good knowledge of MATLAB.
- Good knowledge of electronics/electrical engineering.
- Basic knowledge of Python, Embedded Programming C.
- Interest in and willingness to continue training.

What's in it for You

- A highly varied and diverse range of tasks in an international research center.
- An exciting and interdisciplinary working environment with a lot of creative freedom.
- Possibility of home office and individual time management that offer you the flexibility you need.
- An environment with flat hierarchies that gives you the freedom to take on responsibility and allows for creative collaboration.
- Personal and professional development opportunities on any career level.
- Welcome Day and mentoring program for new employees'.

- Sports and health promotion activities, including weekly yoga, company runs etc.
- Corporate events.

The minimum annual salary, depending on qualification and classification, is **EUR 47,600 gross (fulltime)**. An **overpayment** is possible and depends on qualification and the present special experience.

APPLY NOW and JOIN OUR TEAM

Contact

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