

## Research Associate (f/m/d) in the research group “Battery Production Management”

### ➤ Our profile

We at the “Production Engineering of E-Mobility Components” (PEM) chair of RWTH Aachen University research and develop product and production innovations that enable the manufacture of electrified drivetrains and their individual components in a cost-effective and sustainable manner. Together with our partners from industry and research, we develop solutions for the mobility of the future – from the initial idea to industrial application.

### ➤ Research group “Battery Production Management” (BPM)

PEM’s research group “Battery Production Management” deals with topics related to technologies for the production of batteries of the current and next generations. The spectrum ranges from process planning and design to the design of plant-side optimization and the development of innovative production technologies for the battery of tomorrow. In addition to researching new technologies in its own pilot line – the “CELLFAB” – in the Electromobility Laboratory (eLab) of RWTH Aachen University, the team also focuses on implementing consulting and industrial projects in order to be able to quickly transfer the knowledge and results to industry.

### ➤ The environment

You will work closely with executives and employees of leading OEMs, automotive suppliers, machine and plant manufacturers as well as with other renowned industrial partners in multiple, challenging subject areas. The scientific work together with other research institutions enables you to pursue your own dissertation topic and to regularly publish your own work results. The combination of methodical work with an eye for the big picture and “technical deep drilling” offers our employees a unique environment for personal and professional development.

### ➤ Your profile

- ✓ You have a successfully completed university degree (Master or comparable) in the technical field (e.g. mechanical engineering, electrical engineering, industrial engineering).
- ✓ Ideally, you have already gained some practical experience in the field of consulting, development, production or electric mobility.
- ✓ You have the self-demand to develop new topics and you use creative freedom.
- ✓ You work in a structured and binding manner, you think creatively and pragmatically, you are curious and motivated to always learn something new.
- ✓ You have a high willingness to travel and you are flexible.
- ✓ You speak and write German and English fluently.

# YOUR JOB WITH US



Prof. Dr.-Ing. Achim Kampker MBA | Head of institute

## ➤ **Your tasks**

- ✓ You play a decisive role in shaping projects with industry partners from acquisition through planning to execution (e.g. in production and process planning, prototyping, and strategy development in the field of electric mobility).
- ✓ You investigate exciting issues in the fields of “battery production”, especially innovative process technology development for today’s and next-gen batteries.
- ✓ You develop prototypes and new manufacturing as well as test procedures within the framework of research and industrial projects.
- ✓ You supervise students in their final theses and you conduct courses.
- ✓ You are given budget and management responsibility at an early stage and you can shape topics on your own responsibility.

## ➤ **We give you...**

- ✓ room for personal development and shaping of own topics and ideas in the field of production of electric vehicle components;
- ✓ an environment where ambitious colleagues work towards a common goal: making the world more sustainable;
- ✓ the establishment and continuous development of your own network – in one of the most important subject areas of our time.

## ➤ **Our offer**

The position will be filled on an employee basis. The position is to be filled as soon as possible and is limited to three years. An extension of at least one year is planned. The temporary employment takes place within the framework of the fixed-term possibilities of the “Wissenschaftszeitvertragsgesetz”. The position is full-time. There is the possibility of a doctorate. The grading is based on the TV-L. The position is rated EG 13 TV-L.

## ➤ **About RWTH Aachen University**

RWTH Aachen University is certified as a family-friendly university and offers numerous health, counseling and prevention services (e.g. university sports) as part of its university health management program. In addition to an extensive continuing education program, a job ticket is also offered. The job advertisement is addressed to all genders. In the interest of equal treatment, we ask that you refrain from submitting an application photo. Information on the collection of personal data in accordance with Articles 13 and 14 of the General Data Protection Regulation (DSGVO) can be found on the Internet at the following link (*German*):

<https://www.rwth-aachen.de/dsgvo-information-bewerbung>