Institute for Machine Tools and Industrial Management
TUM School of Engineering and Design
Technical University of Munich

For our battery production team, we are looking for a full-time scientific associate (m/f/d) in the field of lithium-ion battery production for e-mobility to join our team immediately.

Lithium-ion battery production for e-mobility

About us

The Institute for Machine Tools and Industrial Management (iwb) at the Technical University of Munich is one of the largest production technology institutes in Germany. The main topics include production and logistics, machine tools, assembly technology and robotics, battery production, sustainable production, additive manufacturing and laser technology. The scientific staff of the iwb work in these fields in research, teaching and industry transfer with the aim of obtaining a doctorate.

Requirements

- Master's degree with outstanding grades in mechanical engineering, physics, information technology, chemical engineering, chemistry or production engineering, as well as comparable subjects
- General interest in production engineering issues and their investigation
- Enjoyment of supervising and programming technical systems is a prerequisite
- Purposefulness and independent manner of working
- Creativity and willingness to experiment
- Team and communication skills
- Very good language skills in German and English

Responsibilities

- Independent work on research projects for the production of lithium-ion battery cells with a focus on scaling innovative processes
- Analysis of intermediate products and battery cell characteristics
- Independently working on research and industrial projects
- Guiding and supporting students in their study projects
- Teaching in the field of production technology

We offer

- Full-time position as research associate with the opportunity to pursue a doctoral degree
- Excellent laboratory equipment and newly built plants for solid-state battery production
- Support from research-supporting staff in everyday research activities (project administration, mechanical manufacturing, electrical and measurement technology, IT/system administration, marketing, and graphic design)
- Comprehensive personnel development program covering topics such as self and time management, communication skills, team development, burnout prevention, and structured research work
- Support for the time after your academic career: Test field and office space for startups, job application training, maintenance of an extensive alumni network by the iwb e. V.
- Exciting research and work environment in the midst of a young, dedicated, international team
- Flexible working time model with possibility for home office

Further notes

Employment is with corresponding remuneration according to the collective agreement of the federal states (TV-L). Severely disabled persons will be given preference in the case of essentially equal suitability and qualifications. TUM aims to increase the proportion of women, so applications from women are expressly welcomed.

Application

Please send your informative application documents, preferably summarized in one PDF file, to Ms. Sophie Grabmann (**sophie.grabmann@iwb.tum.de**) by **December 31, 2023** at the latest. The Technical University of Munich does not assume any costs associated with the perception of interviews.

In the case of written applications, we ask that you only submit copies, as we are unfortunately unable to return your application documents once the procedure has been completed.

When applying for a position at the Technical University of Munich (TUM), you will provide us with personal data. Please refer to our data protection information in accordance with Art. 13 of the General Data Protection Regulation (DSGVO) http://go.tum.de/554159 regarding the collection and processing of personal data as part of your application. By submitting your application, you confirm that you have taken note of the TUM data protection information.

Contact information

Technical University of Munich
TUM School of Engineering and Design
Institute for Machine Tools and Industrial Management (iwb)
Sophie Grabmann
Boltzmannstraße 15, 85748 Garching
Phone: +49 (0)89 289 15510
sophie.grabmann@iwb.tum.de
www.mec.ed.tum.de/iwb
www.tum.de