Lehrstuhl für Wekstofftechnik der Additiven Fertigung
TUM School of of Engineering and Design
Technische Universität München

The Munich Institute of Integrated Materials, Energy and Process Engineering (MEP) connects the domains of 4D Materials and additive technologies (M), sustainable energy systems (E), and biomanufacturing and process engineering (P) as interdisciplinary research network. Herein, additive manufacturing plays a pivotal role as enabling technology.

We are building a new alliance between TUM and world-leading AM enterprises for which we are seeking a highly motivated researcher in the field of Materials for AM, who is able to work independently, establish an industrial network, and contribute creatively to collaborative teams.

Division Lead Materials for Additive Manufacturing (AM) (Postdoc, m/f/d)

Requirements

- o Doctoral degree in Materials Science, Metallurgy, Mechanical Engineering, Production Technology, Physics, or comparable fields
- o Proven background in additive manufacturing using directed energy deposition is mandatory
- o Experience in multi-material AM is recommended
- o Experience in materials characterization and qualification is recommended
- o Several years of professional experience in industry is strongly recommended
- o Previous post-doctoral experience is favorable
- o Determination and independent working style as well as teamwork and communication skills
- o Excellent German and English language skills

Responsibilities

- o Building an institutional AM alliance between TUM and industry as a member of a motivated team
- o Independent research in the fields of process automation, integration of process control, online monitoring and real-time prediction, with the perspective of leading a research group of several doctoral students
- o Successful solicitation of third-party funds, in particular in cooperation with ministries, industry and EU/national funding associations
- o Lectures and courses in the field of additive manufacturing
- o Communication with industry networks, academic partners, and politics.

We offer

- o A stimulating, high-pace environment for cutting-edge research in the field of additive technologies
- o Close contact and collaboration with world-leading AM industrial companies and international scientists at top-European engineering universities
- o The unique opportunity to contribute your ideas and concepts to an emerging Bavarian AM cluster
- o Seminars and training in the fields of project management, science communication, entrepreneurship, career planning, leadership qualifications and work-life balance
- o Full-time employment contract, initially limited to 2 years with the possibility of extension
- o Renumeration according to the collective agreement of the federal states (TV-L E14)

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Application

Send us your application documents to **application@mep.tum.de** quoting "Division lead MAT" in the e-mail subject line. We expect to fill the position as soon as possible.

The Technical University of Munich is an equal opportunity employer committed to excellence through diversity. We explicitly encourage women to apply and preference will be given to disabled applicants with equivalent qualifications.

Technical University of Munich
Munich Institute of Integrated Materials, Energy and Process Engineering (MEP)
Lichtenbergstr. 4a, 85748 Garching
Prof. Peter Mayr
application@mep.tum.de
www.mep.tum.de/mep
www.tum.de

The position is suitable for disabled persons. Disabled applicants will be given preference in case of generally equivalent suitability, aptitude and professional performance.

Data Protection Information:

When you apply for a position with the Technical University of Munich (TUM), you are submitting personal information. With regard to personal information, please take note of the Datenschutzhinweise gemäß Art. 13 Datenschutz-Grundverordnung (DSGVO) zur Erhebung und Verarbeitung von personenbezogenen Daten im Rahmen Ihrer Bewerbung. (data protection information on collecting and processing personal data contained in your application in accordance with Art. 13 of the General Data Protection Regulation (GDPR)). By submitting your application, you confirm that you have acknowledged the above data protection information of TUM.