

**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 Sustainable AM, who is able to work independently, establish an industrial network, and contribute creatively to collaborative teams.**

## Division Lead for Sustainable Additive Manufacturing (m/f/d)

### Requirements

- Doctoral degree in Materials Science, Metallurgy, Mechanical Engineering, Production Technology, Physics, or comparable fields
- Proven background in additive manufacturing with a focus on metals is mandatory
- Background in materials characterisation and processing techniques
- Background in sustainability and circular economy
- Proven track record of publishing in high-impact scientific journals
- Several years of professional experience in industry is strongly recommended
- Previous post-doctoral experience is favorable
- Determination and independent working style, as well as teamwork and communication skills
- Fluent English and German proficiency
- Capabilities to act as a mentor and the passion to establish a new research division

### Responsibilities

- Division lead for sustainable additive manufacturing within the Bavarian Additive Manufacturing Cluster (in the course of formation) as part of the TUM Industry on Campus Network at Garching (Munich)
- Connect additive-manufacturing value chains with circular economy
- Establish research along the interface between additive manufacturing and its environmental footprint and energy needs
- Build an institutional AM alliance between TUM and industry as a member of a motivated team
- Independent research in the fields of process automation, integration of process automation, process control, sustainability, online monitoring and quality control, with the perspective of leading a research group of several doctoral students
- Successful solicitation of third-party funds, in particular in cooperation with ministries, industry and EU/national funding associations
- Lectures and courses in the field of additive manufacturing
- Communication with industry networks, academic partners, and politics.

### We offer

*Opportunities  
for Talents*

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

## Application

Send us your application documents to [application@mep.tum.de](mailto:application@mep.tum.de) quoting "Division lead SUS" 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.

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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.