TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world’s most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Mechanical Science and Engineering, Institute of Manufacturing Science and Engineering**, the **Chair of Laser-based Manufacturing** offers a position as

**Research Associate (m/f/x)**

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **December 1, 2023** limited until September 30, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification. Balancing family and career is an important issue. The position is generally suitable for candidates seeking part-time employment. Please indicate the request in your application.

**Tasks:** The main focus of the activity is in the field of laser-based surface functionalization, in particular using the method of direct laser interference patterning. In addition to the fabrication of structured surfaces at the laser laboratories, the work also includes characterization of the generated topographies using scanning electron microscopy, confocal microscopy, and methods to determine and quantify various surface properties. The successful candidate will work closely with partners from industry.

**Requirements:** university degree appropriate to the range of tasks; experience in the field of laser technology, material sciences; experience in carrying out scientific projects in cooperation with partners from industry; coordination of projects; flexibility with regard to tasks; knowledge of the English language (spoken and written).

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents by **November 8, 2023** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, Fakultät Maschinenwesen, Institut für Fertigungstechnik, Professur für Laserbasierte Fertigung, Herrn Prof. Dr.-Ing. Andrés F. Lasagni, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TUD SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf file to [lisa.becher@tu-dresden.de](mailto:lisa.becher@tu-dresden.de). Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.