

Anbieter

Universität	Universität Stuttgart
Institut / Einrichtung	Institute of Laser Technologies / Faculty of Engineering Design, Production Engineering and Automotive Engineering
Kategorie	Professuren

Angebot

Titel	Professor (W3) of Laser Technology in Manufacturing
Einsatzort	Pfaffenwaldring 43 70569 Stuttgart Deutschland

Beschreibung

University of Stuttgart
Faculty of Engineering Design, Production Engineering and Automotive Engineering

Professor (W3) of Laser Technology in Manufacturing

INSTITUTE OF LASER TECHNOLOGIES | AT THE EARLIEST CONVENIENCE

The tasks of the professorship include teaching and research in the field of laser technology for manufacturing applications with special consideration of digital manufacturing. A holistic and interdisciplinary research aims at the development of highly dynamic and high-precision laser-based processing systems, which serve the manifold laser applications in production. Based on the developments in the field of lasers and the knowledge on the physical fundamentals of laser material processing (which are part of the research focus of the professorship *Strahlwerkzeuge* (Prof. Graf) at the IFSW), the new professorship for laser technology in manufacturing is dedicated to the system engineering of laser machines, the development of process strategies, process control, sensor technology for process monitoring, system control, the integration of active beam shaping and beam delivery as well as the consideration of laser and machine safety. A comprehensive range of lectures is expected to be offered for the study courses in mechanical engineering, in particular within the specialization subject *Lasers in Material Processing* as well as in the master's course *Photonic Engineering*. The active participation in the implementation of strategic research projects of the European Union, the federal and state governments and the University of Stuttgart is another important task. A strong participation in the Innovation Campus *Mobility of the Future* to implement the strategic goals pursued in its field of advanced manufacturing is desired. The integration in interdisciplinary research cooperations, the acquisition of third-party funds and a successful technology transfer is of great importance.

Anforderungsprofil

We are looking for a personality who is internationally renowned and who can comprehensively represent the above-mentioned topics in research and teaching. In addition to an excellent qualification for independent scientific research, which should be documented by outstanding publications in the research field of mechanical engineering in the area of plant and control engineering, preferably for laser-based production technology, a completed university degree, a doctorate and a habilitation (*venia docendi*) or a habilitation-equivalent performance is required, as well as the proven ability for interdisciplinary work and for cooperation with external partners from science and industry.

The requirements for employment listed in § 47 and § 50 Baden-Württemberg university law

apply.

Applications with the usual documents (curriculum vitae, copies of certificates, a description of the scientific career and teaching activities, a complete, structured list of publications, a list of the third-party funds raised, a brief description of the ongoing projects and a scientific concept) must be submitted by 4th July 2020 to the Chairman of the Appointment Committee, Prof. Hans-Christian Möhring, Dean of the Faculty of Design, Production and Automotive Engineering, University of Stuttgart, Pfaffenwaldring 9, 70569 Stuttgart, exclusively in electronic form (PDF) to dekanat@f07.uni-stuttgart.de. Please be aware of the risks regarding confidentiality and the integrity of your application contents when sending your application via unencrypted e-mail.

The University of Stuttgart is an equal opportunity employer. Applications from women are strongly encouraged. Severely challenged persons will be given preference in case of equal qualifications.

The University of Stuttgart has established a Dual Career Program to offer assistance to partners of those moving to Stuttgart. For more information, please visit the website [https://www.uni-stuttgart.de/en/university/employer/dual career/](https://www.uni-stuttgart.de/en/university/employer/dual%20career/).

The information on the collection of personal data in accordance with Article 13 of the DS-GVO can be viewed at the following link: <https://www.uni-stuttgart.de/en/privacy-notice/job-application/>.

Vergütung	W3
Art der Beschäftigung	Vollzeit
Zeitraum der Beschäftigung	unbefristet, ab Dienstag, 26. Mai 2020
Bewerbungsfristende	Samstag, 4. Juli 2020 - 23:59

Kontakt

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Link zu dieser Stellenanzeige: <https://www.stellenwerk-stuttgart.de/jobboerse/professuren-professor-w3-laser-technology-manufacturing-s-2020-05-26-311948>

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