



Universität Stuttgart



The University of Stuttgart is currently seeking to recruit, as soon as possible, limited to 5 years, a

Junior Research Group Leader (f/m/d) Advanced Manufacturing

The Innovation Campus Future Mobility (ICM) would like to give an excellent young scientist at an early career stage the opportunity to establish herself or himself in science with an own research group at the University of Stuttgart.

Within the Innovation Campus Future Mobility (ICM) the University of Stuttgart and the Karlsruhe Institute of Technology pool their competences in research and innovation. The ICM addresses the transformation process of mobility and creates new technologies with a potentially disruptive character in the strategic fields of "Advanced Manufacturing" and "Emission-free Mobility" through excellent basic research in the areas of mobility and production. For the sustainable integration and further development of the ICM's vision, a cross-locations, interdisciplinary junior research group is planned for each of the two strategic fields, which will be closely interlinked with each other and will complement each other in the overall context of future mobility.

The core element of the junior research group "Advanced Manufacturing" is the vision of a completely digitalized production using a fully flexible manufacturing technology (universal machine). This production technology should enable the manufacturing of virtually any product, regardless of location and starting from "batch size one" with highest efficiency directly on demand. This universally applicable system technology not only enables the integrative production of significantly more complex and functionalized components, but also a permanent reconfigurability of product and production. The vision of the ICM is therefore to realize the entire range of manufacturing processes defined by DIN 8580 on one and the same self-adapting machine. There are various technological possibilities and approaches as well as combinations thereof.

Funding will be provided for an interdisciplinary junior researcher group which is largely independent in its research activities and that identifies and develops new potentially disruptive technologies, whereby working outside the box and away from usual concepts and technology paths is strongly encouraged and desired. The research group can access the equipment of the host institutes and further resources of the two universities. For the position of the research group leader we are looking for a young scientist who has made outstanding scientific achievements in research and innovation during or after finishing the doctorate. Further information on objectives, the subject of funding and scope, positioning of the junior research groups, and the application procedure, which includes a project outline to be submitted, can be found at www.pzs.uni-stuttgart.de/icm

We offer an attractive and modern workplace with access to the excellent facilities of both universities, a varied and responsible activity, a wide range of advanced training opportunities, a supplementary pension with the VBL (Pension Authority for Employees in the Public Service Sector), flexible working time models (compatibility of work and family), a subsidy for the job ticket (BW) and the canteen. The Universität of Stuttgart is pursuing a gender equality policy (f/m/d) and therefore particularly encourages qualified women to apply. Handicapped persons are given priority if they are equally qualified.

Please apply exclusively by email until April 30th, 2020 to the Managing Director of the Innovation Campus Future Mobility, Dr. Max Hoßfeld, Pfaffenwaldring 43, 70569 Stuttgart, max.hossfeld@ifsw.uni-stuttgart.de. We will be happy to provide you with further information in advance, Tel. +49 711 685 60947. Further information can also be found on the Internet at www.uni-stuttgart.de.

The University of Stuttgart with its vision "Intelligent Systems for a Sustainable Society" and its special profile with the "Stuttgart Way" stands for the consistent interdisciplinary networking of complementary disciplines and the integration of engineering, natural sciences, humanities and social sciences. Its outstanding position as a globally renowned research university is reflected, among other things, in the two clusters of excellence "Data-integrated Simulation Science" and "Integrative Computer-Based Design and Construction for Architecture", the research campus ARENA 2036, participation in the "Cybervalley" network as well as in numerous Collaborative Research Centres and Research Training Groups.