



The Faculty of Mechanical, Process and Energy Engineering at TU Bergakademie Freiberg/Saxony, Germany, and the member companies of VDMA are taking pioneering action in the field of smart, connected mobile machinery. They aim to research and develop mobile machinery for the future in an interdisciplinary approach that combines materials science, geoenvironmental engineering and robotics.

For this purpose the Faculty invites applications for the

W3 Chair of Connected Mobile Machinery

to be filled as a permanent position no later than September 2017. The Faculty seeks a candidate with a strong international reputation for research excellence who can fully represent the above field of machinery in teaching and research. Expertise in the following fields is expected:

technical design of connected mobile machinery (e.g. construction and mining machinery, drill rigs) and their components with special consideration of

- light weight structures for connected mobile machinery
- the machine – material interface
- automation and safety concepts for connected mobile machinery
- connected mobile machines as sensors, their interaction/communication with other machines as well as with the higher-level control

Furthermore, the Faculty expressly invites the successful candidate to give stimulation for further advancing the Faculty's profile within the thematic settings of the resource-focused university TU Bergakademie Freiberg. Thus, the candidate is expected to initiate, perform and deliver fundamental and applied research that integrates with other research areas of the university and/or complements them. A record of publications in national and international referenced journals is expected, too. In addition, as the Faculty emphasizes excellence in teaching, the candidate must be committed to acting as a motivating and proficient educator and supervisor for students and must be able to teach in English as well as in basic subjects, if required.

The university runs a growing range of successful higher degree programs (M.Sc. Dipl.-Ing.). Therefore the successful candidate is also expected to lead the development of new programs in his/her field of expertise and to contribute by teaching and project supervision to these and other relevant courses both in English and German.

The applicant must meet and fulfil the general prerequisites for an appointment as a professor in accordance with § 58 Sächsisches Hochschulfreiheitsgesetz dated January 15, 2013 (Sächsisches Gesetz- und Verordnungsblatt 2013 sheet No. 1, page 3) in its currently valid and applicable version. The university provides active support by furnishing child care and in mediating appropriate job positions for the partner or spouse. The TU Bergakademie Freiberg pursues an instructional and research concept that expects the successful candidate to move his or her main residence to Freiberg or its immediate vicinity.

The TU Bergakademie is committed to increasing the ratio of women in teaching and research positions. That is why qualified female candidates are especially encouraged to apply. Applicants with disabilities will receive preferential consideration, provided they possess equal qualifications, achievements and abilities. For adequate consideration of a disability or an equivalent status applicants must enclose documents furnishing proof of such condition.

Written applications including the usual documents (curriculum vitae, scientific career, certificates and list of publications) should be addressed to Technische Universität Bergakademie Freiberg, Dezernat für Personalangelegenheiten, Akademiestraße 6, 09599 Freiberg, GERMANY. The deadline for applications is the 30th April, 2017.

If you have any questions, please feel free to contact Mr. Prof. Dr.-Ing. H. Lieberwirth, email: Holger.Lieberwirth@iam.tu-freiberg.de, Tel: +49 (0)3731 39-2558.