As part of the Tenure Track Programme, the Institute of Photogrammetry and Remote Sensing at the Faculty of Environmental Sciences invites applications for the

Junior Professorship (W1) in Environmental Remote Sensing
(W2 with tenure track)

to begin on 1st October 2018.

The chosen candidate will initially receive a limited, four-year contract as a temporary public official. If the interim evaluation is positive, the employment contract will be extended to a total of six years. In the fifth year, a tenure evaluation will be carried out by a faculty-wide and school-wide commission. Following a positive evaluation, a permanent Chair (W2) of Environmental Remote Sensing will be granted without a renewed call for applications.

Evaluation criteria mutually agreed upon when the position is accepted will form the basis of the evaluation procedures. Essential elements of the evaluations will be scientific successes in the form of the development of an independent research profile for the Chair of Environmental Remote Sensing and its implementation in research, third-party funding projects and publications, participation in national and international peer-reviewed publications and international conferences, success in acquiring third-party funds, the initiation of cooperation projects within the faculty and in the School of Civil and Environmental Engineering, active participation in the Center for Advanced Water Research (CAWR) as well as the development of innovative and positively-evaluated course contents in your area of expertise as well as for other degree programmes in the faculty, also in English.

During the temporary Junior Professorship, the candidate must prove that they are capable of fulfilling the research and teaching requirements in the field. They shall contribute core competence in methodological development for the preparation of quantitative data for the space-time analysis of environmental processes on regional and global scales. The focus of the research is on the development of image analysis methods for the evaluation of multi-sensory and multi-temporal remote sensing data in interdisciplinary cooperation with scientists of the Faculty of Environmental Sciences. Active participation in the CAWR and an intensification of cooperation with other environmental research institutions in the region are expected. The candidate should have an international reputation in remote environmental science and be able to demonstrate successful previous work, especially in interdisciplinary cooperation with the Geosciences, Hydro Sciences or Forest Sciences. International networking and experience with acquiring third-party funds ought to be demonstrated through successful research collaborations or projects.

Teaching tasks are to be carried out primarily in the degree programmes Geodesy and Geoinformatics (Bachelor, Master). Willingness to offer relevant lectures in German and English in further degree programmes at the Faculty of Environmental Sciences is expected. In addition to an excellent aptitude for scientific work, a high pedagogical-didactic aptitude is required. We expect you to be actively involved in academic self-administration and in the academic committees of the faculty.

Applicants must fulfil the employment qualification requirements of § 63 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (Higher Education Act
TU Dresden supports tenure track professors with a programme specifically tailored to their needs. Mentoring, various coaching sessions, and special continuing education programmes and support offers provide active professional guidance throughout the duration of the temporary Junior Professorship.

TU Dresden seeks to employ more female professors. Hence we particularly encourage women to apply. Applications from disabled candidates or those with additional support needs are very welcome. The University is a certified family-friendly university and offers a Dual Career Service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Environmental Sciences (Prof. Dr. Doris Krabel +49 351 463-31857) or the Representative of Employees with Disabilities (Ms. Birgit Kliemann +49 351 463-33175).

Please submit your application including CV, description of your scientific career, a list of your scientific papers, copies of your most important publications, a list of courses taught (everything as a single hard copy as well as a digital copy), together with a certified copy of your highest academic degree (a single copy) with an additional document, in which you explain your motivation for applying and also your intended research teaching concept, by 14.06.2018 (stamped arrival date of the university central mail service applies) to: TU Dresden, Dekan der Fakultät Umweltwissenschaften, Herrn Prof. Dr. Karl-Heinz Feger, Helmholtzstr. 10, 01069 Dresden, Germany and in electronic form via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de sending to dekan.uw@tu-dresden.de.