The **Technical University of Munich (TUM)** invites applications for the position of

Professor in
» Orbital Mechanics and Space Mission Design «

W2 Tenure Track Assistant Professor (with tenure track to W3) or W3 Associate/Full Professor; to begin in summer 2021.

Scientific environment
The professorship belongs to the TUM Department of Aerospace and Geodesy. Our aim is to become the leading European institution in the field of Aerospace and Geodesy. From new transport systems to communication and satellite technology to observing and measuring our planet with unprecedented precision: In interaction with the geodetic disciplines, aerospace is becoming a "mission earth", which will take the mobility on and above the earth into new dimensions and will radically change our every-day life (www.lrg.tum.de). Research and teaching activities benefit from the scientific environment of different TUM departments and Integrative Research Centers as well as from cooperation with the German Aerospace Center (DLR), Munich Aerospace and other research institutions. The professorship will be located at the Ludwig Boelkow Campus in Taufkirchen/Ottobrunn in the south of Munich, which is also home to world-renowned industry.

Responsibilities
The responsibilities of TUM professors include research, teaching and the promotion of early-career scientists. We seek to appoint an expert in the research area of Orbital Mechanics and Space Mission Design with a focus on the development of methods for optimization of satellite orbits, constellations, formations and interplanetary trajectories under the influence of (non-)gravitational perturbations. The professorship will develop novel mission concepts, e.g. satellite clusters for Earth observation and interplanetary space flights in multi-body systems.
Teaching duties include courses in the university's bachelor and master programs and especially in the master programs „Earth-Oriented Space Science and Technology" and „Aerospace". We expect participation in conception and implementation of new study programs.

Qualifications
We are looking for a candidate with an university degree and an outstanding doctoral degree or equivalent scientific qualification, who has demonstrated excellent achievements in research and teaching in an internationally recognized scientific environment, regarding the relevant career level.
International scientific experience during the doctoral or postdoctoral phase is expected. The successful candidate shows pedagogical aptitude, including the ability to teach in English.
Candidates should possess a full commitment to acquire and lead cooperative research projects (BMBF, DFG, EU etc.) as well as a proven ability and experience in research or science management.

Our Offer
Based on best international standards and transparent performance criteria, TUM offers a merit-based academic career option for tenure track faculty from Assistant Professor through a permanent position as Associate Professor, and on to Full Professor.
TUM provides excellent working conditions in a lively scientific community, embedded in the vibrant research environment of the Greater Munich Area. Furthermore, TUM offers attractive and performance-based salary conditions as well as a sustainable pension scheme.
The TUM Munich Dual Career Office (MDCO) provides tailored career consulting to the partners of newly appointed professors. MDCO gives assistance for relocation and integration of new professors, their partners and accompanying family members.

Your Application
TUM is an equal opportunity employer. As such, we explicitly encourage applications from women. Applications from disabled persons with essentially the same qualifications will be given preference.
Application documents should be submitted in accordance with TUM's application guidelines for professors. These guidelines and detailed information about the TUM Faculty Recruitment and Career System are available on www.tum.de/faculty-recruiting. Here, you will also find TUM's information on collecting and processing personal data as part of the application process.

Please send your application in English no later than **August 9, 2020** to the **Managing Director of the TUM Department of Aerospace and Geodesy**, Dr.-Ing. Michael Klimke, Willy-Messerschmitt-Str. 1, 82024 Taufkirchen/Ottobrunn (Germany). **Email address for applications**: dekanat@lrg.tum.de