

ETH Zurich is one of the world's leading universities specializing in science and technology. It is renowned for its excellent education, its cutting-edge fundamental research and its efforts to put new knowledge and innovations directly into practice. You will be part of the **Chair of Mathematical and Physical Geodesy**, which is active in researching new innovative space- and ground-based geodetic observation techniques and analysis methods for the long-term, continuous as well as the real-time monitoring of the environment and the Earth system.

PhD Position in Satellite Geodesy

We are seeking a highly motivated PhD student to work in satellite geodesy and, more precisely, in the domain of a cube satellite constellation equipped with low-cost multi-GNSS receivers and a propulsion system. The research field of the PhD student is focusing on orbit determination for Low Earth Orbiting (LEO) satellites, autonomous constellation maintenance and the study of GNSS networks of LEOs in space.

Applicants must hold a master degree in geodesy, physics or a related field. The successful candidate will have strong analytical skills, and experience in GNSS positioning, data processing and programming. Some background in both orbit determination and space geodesy would be ideal for this PhD position. Knowledge of the English language is mandatory, knowledge of German is a plus. Good interpersonal skills and willingness to work in a team of researchers and students are expected.

The position is open now, with an initial appointment for 3 years, extendable up to 6 years. Selection will start immediately and continue until the position is filled.

We look forward to receiving your online application including the following documents: CV, motivation letter, Master of Science diploma, grade transcripts, relevant publications and contact details of referees via the following link: <https://emea2.softfactors.com/job-opening/rgum-taPhbyVtGQSujSuSY8#/?lang=en>. Please note that we exclusively accept applications submitted through our online application portal. Applications via email or postal services will not be considered.

For further information, please visit our website www.mpg.igp.ethz.ch. Questions regarding the position should be directed by email to Prof. Markus Rothacher at markus.rothacher@ethz.ch (no applications) or jrene.mueller@geod.baug.ethz.ch (no applications).

