



To whom it may concern

Zurich, March 22nd, 2019

Ph.D. position in processing, enhancing and analyzing data of different SAR platforms

The SARLab of the Remote Sensing Laboratories at the Department of Geography, University of Zurich invites applications for a PhD position in the area of SAR data processing and enhancing. The candidate will be involved in the development of an innovative, high-frequency SAR system. Our research group has extensive experience in the focusing and processing of airborne SAR data. Recently, activities to extend this knowledge to a newly developed SAR system have started including the development of SAR autofocus techniques and the integration of advanced navigation systems. Building on these findings, the successful candidate will work within the group on extending methods for SAR autofocus and navigation with the goal to produce high-quality images. The flexibility and innovation of system allows for various follow-up projects that can be discussed according to the interests of the candidate and our research partners.

The successful applicant will be based in Zurich and supervised by Daniel Henke and Michael Schaepman (responsible Faculty member).

The Remote Sensing Laboratories (RSL) host several research groups working on a variety of topics, including SAR, LIDAR and imaging spectroscopy. For more information, see <http://www.geo.uzh.ch/en/units/rs1>.

Upon start, applicants must have a completed master's degree in electrical / telecommunication engineering, computer science or any related field, preferably with a certain degree of specialization in remote sensing. Applicants must be willing to familiarize with SAR processing and the integration of navigational information, pursue data-oriented computational research, and should be capable to adapt methods from other science fields (e.g. machine learning approaches) to SAR processing. Literacy in one or more programming languages (e.g. Matlab, C++, Java) is a requirement. Knowledge of SAR data is considered a bonus. A good standard of written and spoken English is required. Salaries correspond to the UZH regulations of PhD salaries.

We are looking for a highly motivated, enthusiastic and independent person with a passion for science to join our international, interdisciplinary team. We offer outstanding working conditions, a high quality of life in Zurich, and an excellent supporting environment.

Please send your application as one single PDF file (motivation letter, complete CV, copies of academic certificates, and names of 2 references) to Daniel.Henke@geo.uzh.ch, no later than May 1st, 2019. For further questions, please contact Daniel.Henke@geo.uzh.ch.