

The **Photogrammetry and Remote Sensing group** (Prof. Dr. Konrad Schindler) at the Institute of Geodesy and Photogrammetry, **ETH Zurich**, is seeking applications for a

**PhD CANDIDATE / RESEARCH ASSISTANT (100% POSITION)
for the project “Integrated monitoring of ice in selected Swiss lakes”**

The project is initiated by the Swiss Federal Office of Meteorology and Climatology and project partners are the Remote Sensing Group of University of Bern and the Swiss Federal Institute of Aquatic Science and Technology. The aim of this PhD position is mainly to use satellite images (MODIS, VIIRS) to estimate when the lake icing starts and ends and its spatial extent.

The ideal candidate

- shows interest in performing cutting edge research, strong motivation and a desire to learn
- has an excellent degree (M.Sc., M.Eng. or equivalent) in Geodesy/Geomatics, Computer Science, or a related field (e.g. Geography, Physics, Electrical Engineering)
- brings experience in satellite image processing, photogrammetry, image processing/computer vision, including strong mathematics and statistics skills
- is able to critically judge other research and develop own methods and work independently and within a team with the project partners and our group
- brings good programming experience (with preference in Matlab, Python, C/C++)
- has very good knowledge of English (spoken and written).

We are an internationally recognized research university and offer an exciting and stimulating environment to study and work in, with very good infrastructure support and financial conditions. You will work in a multi-national, innovative scientific laboratory with strong national and international contacts, while Zurich and Switzerland are consistently included among the best places to live.

For further information about the position and the tasks (no application documents), please contact Dr. Emmanuel Baltasvias, by e-mail at manos@geod.baug.ethz.ch and visit our website at www.prs.igp.ethz.ch.

Please submit your application, which should include:

concise motivation letter, comprehensive CV, publications list, Master thesis or similar and other potential publications (in English or German, as PDF), university diplomas and score records, other diplomas (incl. languages knowledge) and work certificates, and contact information of at least two referees.

Please upload all application documents (pdf is recommended) using the ETHZ WEB interface at:

<https://apply.refline.ch/845721/search.html?form.buttons.query=1&segment=doctoralCandidate>

Deadline for applications is the 31st of August 2016. Selection and appointment will start immediately, so early submissions are strongly encouraged.