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DAAD

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DLR – DAAD – Fellowships

Fellowship - No. 49

- Research Area:** Space
- Research Topic:** Development of 3D change detection techniques in optical high resolution satellite imagery
- DLR Institute:** Remote Sensing Technology Institute (IMF) at DLR Oberpfaffenhofen
- Position:** Postdoctoral Fellow
- Openings:** 1
- Job Specification:** Development of methods and algorithms for 3D change detection in high resolution optical remote sensing data. The goal is to detect automatically changes using height information from optical stereo imagery and image time series. The work includes method development in the field of object extraction and change detection in time-series of images. Special interest is laid on the automatic detection of changes for man made objects like houses, bridges and other infrastructure with 3D-properties.
- Required Qualification:** PhD in Computer Science, Electrical Engineering, Information Technology, or similar. The candidate should have a strong background in signal and image processing as well as remote sensing. Programming skills in Matlab, IDL and/ or C, C++ are required. Experience in processing of high and very high resolution satellite data is necessary. Open communication and team spirit are furthermore expected. The candidate is expected to be a team worker as well as self-reliant during times, and to present results at international conferences and in scientific journals.
- Advantageous Skills:** Experience in stereo image processing.

English competence: very good

Earliest Start Date: October 2009 (for 1 up to 2 years)

Application Deadline: until position filled

Further Information: www.dlr.de
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