



PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC) Open PhD position for CSC scholarship candidates 2015

Please note: the PhD position is only offered to Chinese PhD candidates for application in the framework of the FUB-CSC Program.

<u>Department/Institute:</u>	Institute of Geographical Sciences, Remote Sensing and Geoinformatics
<u>Subject area:</u>	Remote Sensing
<u>Professor / Research Group:</u>	Prof. Dr. Björn Waske
<u>Number of open positions:</u>	1
<u>Project title:</u>	“Monitoring land use change in China, using multisensor remote sensing data“

Project description:

Land cover transformation, due to expanding of agriculture, deforestation and urbanization, is one of the major drivers of global environmental change. Therefore, detailed knowledge on land use cover change is an important input information for environmental monitoring systems and supporting surveying compliances of international environmental treaties. During the last decades Earth Observation (EO) systems became a valuable and powerful instrument to monitor the Earth and land cover classifications of remote sensing data are the most commonly used EO product. Regarding the increasing availability of data from different, often complementary, sensors such application become even more promising. Therefore, the development of adequate classification methods is an ongoing research field. The aim of the project is the development of adequate strategies to monitor land use and land cover change in China, using multisensor remote sensing data (e.g., multispectral and SAR, optical data at different scales, ...). Finally enhanced maps should be provided, which enable more detailed analysis of the spatio-temporal patterns of land use cover change.

Language requirements:

IELTS 6,5 or Toefl 95 ibt

Academic requirements:

Master degree in Geography, Geoinformation Science, or related fields. Required skills include a sound background in remote sensing.

Link to professor and further information:

<http://www.geo.fu-berlin.de/en/geog/fachrichtungen/geoinformatik/index.html>

Please note:

In a first step the complete application should submit to the Beijing Office for evaluation by January 4th. Please don't contact the professor before. He will get in contact with you after having received the complete application in January.