



MSc (by Research) Studentship

A fully-funded Master of Science by Research studentship is available immediately in the Department of Geographical and Earth Sciences at the University of Glasgow for one of the projects shown below:

- (1) Large earthquakes in the world (Supervisors: Zhenhong Li, Tim Wright (Leeds COMET+), Zoe Sipton)
- (2) Active faults in Tibet (Supervisors: Zhenhong Li, Tim Wright (Leeds COMET+), Zoe Sipton)
- (3) Landslides and faults in the Three Gorges region, China (Supervisors: Zhenhong Li, Trevor Hoey, Tim Wright (Leeds COMET+))
- (4) Use of the Unified Model for InSAR atmospheric correction (Supervisors: Zhenhong Li, Geoff Wadge (Reading COMET+))

The fourth project aims to use the Unified Model developed by the UK MET Office to reduce atmospheric effects on radar measurements, whilst the other three place emphasis on geophysical applications of space geodesy (mainly Radar Interferometry and GPS).

This one-year studentship includes a tax-free maintenance allowance of **£13,290 per annum**, plus **home-student tuition fees**. The studentship is funded by industry and can be extended to 1.5 years subject to student's performance.

The student will receive training in space geodesy techniques, in particular the handling of satellite radar and GPS data, and in modelling faults (where appropriate). The student will join the Department's Earth Systems Research Group, be an affiliated member of the Scottish Alliance for Geoscience, Environment and Society (SAGES) graduate school, and a member of the Dynamic Earth and Geohazards research group (i.e. COMET+) in the UK's National Centre for Earth Observation. S/he will thus benefit from the shared expertise of Geosciences staff in several university departments, and will attend regular meetings where the research of these various groups is presented and discussed.

Applications are invited from graduates with strong degrees (First Class Honours, Upper Second Class Honours or equivalent) in relevant areas, including (but not limited to) Geophysics, Geology, Meteorology and Geomatics Engineering. An interest in learning, or existing skill with, quantitative analysis and programming with Matlab, IDL or other languages is important. Informal enquiries may be addressed to Dr Zhenhong Li, Email: Zhenhong.Li@ges.gla.ac.uk.

To be considered for the MSc studentship, suitably qualified candidates should apply by **Friday 26th February 2010** via the Faculty of Physical Sciences Graduate School website (<http://www.gla.ac.uk/faculties/physicalsciences/prospectivepostgraduatestudents>).

Applicants *must* also ensure that their referees return their referee's report by the closing date of **26th February 2010**. Interviews will be held in late March 2010.

Zhenhong Li (PhD, BSc)

Lecturer of Surveying and Space Geodesy
Leader of the G&MS MSc programme

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