

# TRAINING DAYS

THE LATEST EDUCATIONAL INFORMATION ON TRAINING COURSES, DISTANCE LEARNING, COMPANY TRAINING DAYS, SEMINARS AND WORKSHOPS CURRENTLY AVAILABLE. THIS SECTION WILL ALSO INCLUDE COMPETITIONS, AND STUDENT OFFERS AMONG OTHER EXCITING OPPORTUNITIES

## URBAN BIGGEODATA AND OPENCITYSMART THINK TANK

The Geospatial IG of the Research Data Alliance and the Nottingham Geospatial Institute are pleased to welcome expression of interest for the Urban BigGeoData and OpenCitySmart Think Tank meeting and workshop at the University of Nottingham on 8 June. This will be a free event (limited to 30 delegates) intended to bring together key stakeholders in GeoBigData and OpenCitySmart research to brainstorm ideas and plan joint research ideas and collaborations for the future.

For more details and to register, visit: [www.nottingham.ac.uk/grace/events/eventsarticles/urban-biggeodata.aspx](http://www.nottingham.ac.uk/grace/events/eventsarticles/urban-biggeodata.aspx)

## LEARN THE BASICS OF PYTHON FOR PROGRAMMING GIS TASKS

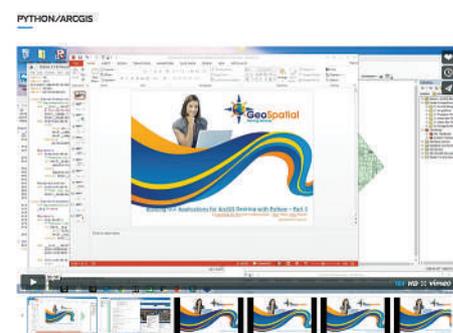
GeoSpatial Training Services is offering a free series of eight webinars that teach the basics of the Python programming language. The webinars are:

- Seven reasons GIS professionals should learn how to program with Python
- Creating variables and assigning data
- Basic python statements
- Creating and using functions
- Using advanced Python data structures (lists, dictionaries, tuples)
- Using advanced Python data structures (classes and objects)
- Reading and writing text files
- Introduction to ArcPyShow lessShow less

After completing the series, you'll be ready to learn how to automate your geoprocessing tasks using ArcGIS Desktop in the company's Programming ArcGIS with Python workshop.

To view the Python webinars, visit: <http://geospatialtraining.com/recorded-webinars/>

For the Programming ArcGIS with Python workshop, visit: <http://geospatialtraining.com/programming-arcgis-with-python-workshop/>



## Geographic Information Systems

Study for the award of Postgraduate Certificate, Postgraduate Diploma or MSc through online distance learning

Our course provides a broad-based education in the principles and practice of GIS. PgDip modules cover issues such as the representation, acquisition, management and manipulation of spatial data, spatial analysis and modelling, remote sensing, GIS in the commercial environment, databases and Web GIS. Concepts and techniques are illustrated using a variety of applications. Theoretical material is introduced in online lectures and reinforced by directed reading and practical exercises, giving extensive hands-on experience of key GIS packages and other relevant software (including ArcGIS, Erdas Imagine, Excel, SPSS, open source software, web programming and various GIS extensions and plug-ins), developing technical expertise as well as an appreciation of real-world implementation issues. Optional modules are available in GIS customisation, environmental applications and workplace projects. For the award of MSc the student must undertake an independent research project in addition to the eight PgDip modules.

### Key Features:

- Delivers all course material via the internet; gives flexibility of time, location and workload.
- 1 academic year (8 months) for PgCert, 2 years for PgDip and 1 further year for MSc (part-time); full-time also available (4 months PgCert, 8 months PgDip, 1 year MSc).
- Additional options available: reduced pace study; enrol for individual modules; traditional on-campus study.

The course enrolls two intakes per year: the next start dates are 26 September 2016 and 30 January 2017.

Further details may be obtained from:  
**Dr Sally Cook, Course Director, School of Geography and Environmental Sciences, Ulster University**  
**T: +44 (0)28 7012 4401 E: [s.cook@ulster.ac.uk](mailto:s.cook@ulster.ac.uk)**  
**W: <http://www.ulster.ac.uk/es/pgdipmscgis/>**

## TRAINING DAYS

### LP360 TRAINING EVENT

LP360's annual training event on 12-16 September is a comprehensive training course that covers basic to advanced topics. The course begins with an in-depth look at using LP360 for quality assurance and control of LIDAR data, and then focuses on the standard and advanced levels of the product. The company provides a beginning and advanced session on extraction and enforcement of breakline features in the ArcGIS environment. In addition, attendees learn how to use the manual and automated classification tools, including classifying ground, model key points and buildings. The event also covers creation of on-the-fly 3D points, polylines

and polygons, cross sections and volumetric analysis.

Each day includes ample hands-on time for attendees. Attendees are required to supply their own laptop for the training and should have working knowledge of the base ESRI software. Attendees must have administrative privileges on their laptops in order to install the licence file, which will be made available at the training.

*Cost: US\$695 (lunches included)*

*Training location: Airport Office Center, Madison, AL 35758, US*

**For more information and to register, visit: <http://qcoherent.com/training-event.html>**

### LIVE DEMONSTRATION OF MONITORING EQUIPMENT AND INSTRUMENTATION ON A LANDSLIDE

In the framework of the International Course on Geotechnical and Structural Monitoring, NHAZCA is organising a field trip at the experimental monitoring site of the Poggio Baldi Landslide, Santa Sofia (FC), Italy on 10 June.

This unique event will focus on landslide monitoring, with the participation of several leading experts and international companies showing their innovative monitoring techniques, such as laser scanners, radar interferometry, photogrammetry, borehole equipment and topographic equipment. The trip is aimed at geologists, engineers, surveyors, architects and anyone involved in the surveying and monitoring of land protection and emergency management.

*Cost: €100 (+VAT); students €50 (+VAT)*

**To register, visit: [www.landslidemonitoring.com](http://www.landslidemonitoring.com)**



## GLOBAL STRATEGIC RISK AND THE GEOINT MISSION

GEOINT is taking a leading strategic role across the globe: in conflicts across the Middle East, the European refugee crisis, and in emergency response coordination amongst many others. But how will better integration of GEOINT technology affect allied responses to these geopolitical issues? How can they use this technology to their advantage? And what are the implications in terms of global risk?

The 'Global strategic risk and the GEOINT mission' webinar looks at the following issues:

- Global security challenges
- Likely allied responses
- GEOINT implications
- Managing global risk

It is hosted by Robert B Murrett, professor of practice, Maxwell School of Citizenship and Public Affairs, Institute for National Security and Counterterrorism, Syracuse University.

**To view the webinar, visit: <http://wbreasear.ch/dgiweb>**

DISTANCE LEARNING GIS PROGRAMMES

# UNIGIS UK

## Study for a postgraduate qualification in GIS by online distance learning

UNIGIS UK has been at the forefront of GIS education for over 20 years, providing online distance learning-based postgraduate education and training in Geographical Information Systems and Science. Our part-time programmes support the personal and career development of GI professionals and those seeking to enter the GI industry. We support you with personal tutors, online resources and web collaboration software for surgeries and tutorials. There are no examinations, our courses are delivered through our bespoke VLE, and are 100% coursework assessed.

*"The material covered in this course is relevant and up to date. I landed the GIS job I always wished for only 2 months after completing the UNIGIS programme".*

MSc GIS Student 2013

[unigis@mmu.ac.uk](mailto:unigis@mmu.ac.uk)  
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- part-time online, distance learning
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- one year for the PgC, two years for the PgD, and three years to complete the Masters
- specialist pathways in GIS, Applied GIS, and GI Technologies
- degrees awarded either by Manchester Metropolitan University or the University of Salford
- recognition by the UK Association for Geographical Information (AGI) for continuing professional development
- annual intake in September
- competitive fees with instalment options
- key textbook and industry standard software included

Educating GIS Professionals Worldwide



[www.unigis.org](http://www.unigis.org)

# MY TOUCH ANSWERING CHINA'S NEED FOR GEO-INFORMATION EXPERTISE



YUAN ZHUANG,  
MASTER'S STUDENT GEO-INFORMATION SCIENCE AND EARTH OBSERVATION AT ITC

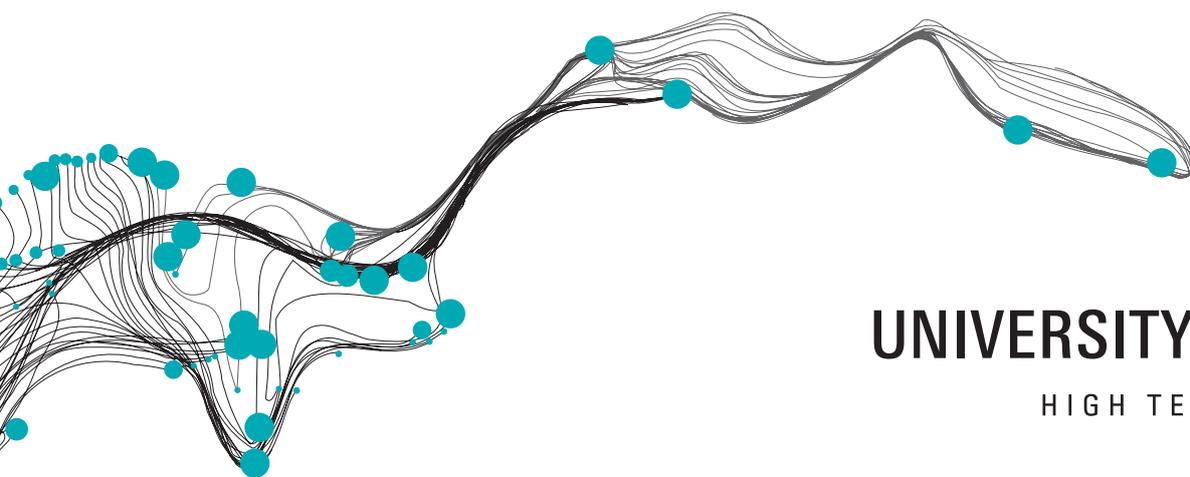
'I enrolled in the Master's programme for Natural Resources Management after earning my Bachelor's degree in Forestry Engineering back in China. The programme fits my interests perfectly. There is huge demand in China right now for geo-information expertise. I'm looking into different possibilities: a job position, maybe a PhD, or a lectureship.'

As Yuan Zhuang has discovered, the faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente in Enschede, the Netherlands, is one of the world's foremost education and research establishments in the field of geo-information science and earth observation. We offer a wide range of the world's best degree courses in the following fields:

- APPLIED EARTH SCIENCES
- GEOINFORMATICS
- LAND ADMINISTRATION
- NATURAL RESOURCES MANAGEMENT
- URBAN PLANNING AND MANAGEMENT
- WATER RESOURCES AND ENVIRONMENTAL MANAGEMENT

*Add your touch. Join the world's pioneers in geo-information science and earth observation.*

FOR MORE INFORMATION VISIT [WWW.ITC.NL](http://WWW.ITC.NL)  
OR E-MAIL US AT [INFO-ITC@UTWENTE.NL](mailto:INFO-ITC@UTWENTE.NL)



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