

Remote sensing of fire for national greenhouse gas accounting

University of Leicester, UK, 7-8 September 2009

DATES

Arrival on Sunday 6th September. The event starts on Monday 7th September 2009, 9.00 am and ends on Tuesday 8th September 2009, 1.00 pm. This will mark the start of the annual Remote Sensing and Photogrammetry Society conference 2009 (<http://www.rspso2009.org/>). Delegates can opt to attend both events, but have to register separately for RPSoc 2009.

LOCATION



The event will be held at the University of Leicester, UK, <http://www.le.ac.uk/portals/maps/maps.html>. The University of Leicester is a leading UK University with a proud past and an exciting future. We deliver high quality undergraduate, postgraduate and professional education and create research that has impact internationally. Our research changes the world. According to Thomson Scientific, Leicester has the tenth highest number of highly cited researchers amongst the UK's universities. The discovery of DNA Genetic Fingerprinting is our most famous research achievement, but our world class research stretches across the Arts, science, medicine, law, education, biological sciences and social sciences. The University of Leicester is, according to the Times newspaper "an award winning institution attracting top academics". For three consecutive years the University of Leicester has recorded the [highest average score](#) for overall satisfaction amongst mainstream universities in England. Almost three quarters of our subjects are in their subject top 10. Leicester's student completion rate is amongst the very highest.

Leicester is a member of the 1994 Group of internationally renowned universities engaged in leading-edge research and high quality teaching. Our research strengths stretch across our five faculties. Over 90% of academic staff are research active. 13 departments gained the 5 or 5* ratings that indicate internationally significant work in the 2001 Research Assessment Exercise.

Described as a "first class university" Leicester is ranked 12th in the UK out of 113 universities by the [UK Complete University Guide](#) published on 24 April 2008. The University performs well in the [Guardian University Guide](#) (14th), [Times Good University Guide](#) (14th) and [Sunday Times University Guide](#). Leicester is one of just 21 UK universities to feature in the world's top 200 universities (joint 16th in the UK and 151st in the world in the Shanghai Jiao Tong Table).

Leicester is home to two prestigious national Centres for Excellence in Teaching and Learning (in Genetics and Geographical Information Science) and plays an important role in a third (Physics). Teaching in 18 subject areas have been graded as "Excellent" by the Quality Assurance Agency - including 14 successive scores.

PRELIMINARY TRAINING PROGRAMME

Organisers: Prof. Heiko Balzter, Dr. Kevin Tansey, Dr. Lex Comber (University of Leicester, UK), Prof. Martin Wooster (Kings College London, UK), Dr. Almut Arneth (University of Lund, Sweden), Dr. Bob Scholes (Council for Scientific and Industrial Research, South Africa)

Monday 7th September 2009

9.00-10.00	Welcome and introductions, round table, coffee
10.00-11.00	Lecture "Methods of detecting burnt area from space - a comparison of available products"
11.00-12.00	Lecture "Fuel load estimation"
12.00-13.00	Lunch
13.00-14.00	Computer Practical - Accessing fire data
14.00-15.00	Lecture "Fire data analysis - co-registration, reprojection, pre-processing"
15.00-15.30	Tea
15.30-17.00	Computer Practical - Analysing fire data
17.00-18.00	Lecture "Estimating emission factors"
19.00- 22.00	Dinner and social programme

Tuesday 8th September 2009

9.00-9.45	Lecture "Estimating national emissions from fires and their uncertainties"
9.45-10.30	Lecture "Fire data analysis - extracting statistics from geospatial data"
10.30-11.00	Coffee
11.00-12.00	Computer Practical - statistical analysis of fire data for greenhouse gas accounting
12.00-13.00	Lunch
	Followed by the annual Remote Sensing and Photogrammetry Society conference (requires separate registration, see www.rspoc2009.org)

REGISTRATION INFORMATION

Registration fee: £230

Accommodation costs: £220 (includes 2 nights' accommodation on Sunday and Monday night and meals)

TOTAL CHARGES: £400

Breakfast, coffee, lunch, tea and dinner will be provided and is included in the accommodation and registration fees.

FINANCIAL SUPPORT

Financial support for delegate from African countries is available from the UN Food and Agriculture Organisation (FAO). African delegates can apply for financial support up to £400 towards the registration and accommodation costs and max. £500 contribution to travel expenses. Delegates are normally expected to make a financial contribution towards the expenses and clearly indicate the expected total costs of attending the training event. Applications for financial support must be received by **30 April 2009** and must include a Curriculum Vitae, an estimate of the overall costs, own contribution and amount of support sought.



This course is aimed at African professionals and researchers with some knowledge of geospatial techniques (GIS or remote sensing), predominantly from African government agencies responsible for national communications to the UN Framework Convention on Climate Change (UNFCCC), i.e. the technical process of greenhouse gas accounting. It is also open to researchers, PhD students and practitioners from any country (not just African countries) who would benefit from the course.

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