

Vacancy details

Job title	Division	Job ref	Closing date
Research Associate (x4)	Environmental Monitoring and Modelling Research Group, Department of Geography	R6/DAR/096/12-JT	14/03/2012
Summary	Four Research Associate positions are available within the Research Cluster led by Professor Martin Wooster at King's College London, concentrating on the study of biomass burning using satellite Earth Observation, simulation modelling and in situ and remote sensing measurement techniques.		
Details	<p>Posts are variously related to the UK NERC National Centre for Earth Observation (www.nceo.ac.uk) and to the development of the fire emissions component of the GMES Atmospheric Monitoring and Forecasting service under the MACC-II EU FP7 project (www.gmes-atmosphere.eu). Ongoing research topics to which the post holders will contribute to include exploitation of thermal remote sensing and fire radiative power data, EO active fire algorithm development and validation, fire simulation modelling and modelling of smoke atmospheric transport, exploitation of atmospheric spectroscopy data for smoke aerosol and trace gas emissions studies, and deployment of flux towers, field spectroscopy and UAV imaging methods at experimental fires.</p> <p>There are opportunities to contribute to a number of ongoing projects, and research and publication examples can be found at wildfire.geog.kcl.ac.uk and tinyurl.com/mwooster. Applicants should have research experience in one or more of the following areas: remote sensing, EO algorithm development, satellite fire product use and validation, fire spread or CFD modelling, atmospheric spectroscopy, use of atmospheric chemistry/transport models, deployment of in situ measurement devices during field campaigns. An understanding of biomass burning processes and effects would be useful, and candidates are expected to be able to work with large datasets, to write computer code (ideally IDL and/or Python) and to be able to communicate clearly in English. Further opportunities within the Research Cluster may arise for suitably performing candidates.</p> <p>For an informal discussion of the positions please contact Professor Martin Wooster via email in the first instance at martin.wooster@kcl.ac.uk.</p>		
Salary	The appointment will be made, dependent on relevant qualifications within the Grade 6 scale currently starting at £31,020 plus £2,323 London Allowance per annum.		
Post duration	2 x 12 month posts, 2 x 18 month posts.		
Contact	For an application pack please click on the 'Further details' link below. Alternatively, please email strand-recruitment@kcl.ac.uk . All correspondence MUST clearly state the job title and reference number R6/DAR/096/12-JT.		
Further details	Please see related Word document		