Job Title:	**GLA Economics Research Fellow in Urban Systems**
Reference No:	**CASA/09/06/GLA**
Department:	**UCL Centre for Advanced Spatial Analysis**
Reports to:	**Professor Michael Batty**
Grade:	**7 [Starting salary of £28,839 per annum plus London Allowance of £2,781]**
Funding duration:	**9 months**
Closing date:	**Tuesday 7th July 2009**
Interviews:	**w/c 27th July 2009 TBC**

Due to the departure of the current postholder for a faculty position in the United States, we are looking for a Research Fellow with an unbridled enthusiasm for developing new analytical methods for the study of urban spatial structure in large cities. A higher degree in GIS or a related qualification, with experience and interest in urban systems research is essential. This is an opportunity to spend the next nine months developing the databases for land use-transport models, enhancing the use of spatial analysis techniques with respect to this data, and applying these ideas to the Greater London database that is under construction. These will inform CASA's wider research agenda, the development of better representational and analytical theory and methods for studying large cities like London, and the general mission of GLA Economics. The post will be based at UCL.

About the role

The GLA Economics Research Fellow in Urban Systems is a nine-month post based at UCL and the Greater London Authority. We are seeking a person to further develop our work in land use-transport modelling which currently is focussed on an integrated assessment of climate change for Greater London and the Thames Gateway as part of the Tyndall Centre's Cities Theme. The GLA Group and other public sector bodies will use the model to inform a variety of policy debates, and to help in defining relevant roles involving transport and movement in Greater London. The person will research key problems of urban change in a world city using London as the focus and will address issues involving house prices, segregation, employment and unemployment as well as issues of inward investment, economic regeneration and the developing of financial service locations using state-of-the-art techniques of GIS analysis. The person will also be involved in developing new databases to inform these problems and will blend contemporary urban economic theory with empirical analysis and simulation methods.

There will be a strong GIS focus to the role in that the person will relate to the land use-transport model being developed for the Tyndall Centre for Climate Change Cities project run by Professor Mike Batty, Virtual London model in CASA which is an initiative led by Dr. Andrew Hudson-Smith involving many new data sets, and to other projects which focus on London such as the geo-demographics work led by Professor Paul Longley.

How to Apply

To be considered for this position, please submit the following documents by the closing date:
1. a letter of application outlining your suitability to this post and your reasons for applying.
2. a CV listing education history (institution name, start and end dates of courses, qualification gained), details of membership of any professional organisations, details of current or most recent employer (name and address of current organisation, job title, salary and duties), details of previous employment and how your knowledge, skills, and abilities meet the job requirements, plus the names and addresses of two referees one of whom should be your most recent employer.
3. if relevant and possible, a sample of your work, in the form of papers, or related material which indicates your expertise and previous projects
4. In addition, UCL requires applicants applying with a CV to provide standardised monitoring information; please complete and return the last 3 pages of this document.

Please email applications to **s.curtis@ucl.ac.uk** clearly stating the post reference number in the subject line.

About CASA

The Centre for Advanced Spatial Analysis (CASA) is an initiative within University College London to develop emerging computer technologies in several disciplines which deal with geography, space, location, and the built environment. As an interdisciplinary research centre expertise is drawn from archaeology, architecture, cartography, computer science, environmental science, geography, planning, remote sensing, geomatic engineering, and transport studies. This generates a unique blend of personnel who operate from CASA and associated departments within UCL. CASA is a Department within the Faculty of the Built Environment. For more information about CASA, please visit **http://www.casa.ucl.ac.uk**

About GLA Economics

GLA Economics provides expert advice and analysis on London's economy and the economic issues facing the capital. Data and analysis from GLA Economics provide a sound basis for the policy and investment decisions facing the Mayor and the GLA group. The unit was set up in May 2002 and is funded by the Greater London Authority, Transport for London and the London Development Agency. For more information about GLA Economics, please visit :
http://www.london.gov.uk/mayor/economic_unit/index.jsp

Salary
The post is graded as Grade 7, the salary for which starts from £28,839 (excluding London Allowance of £2,781).

Probation
Appointments are subject to receipt of satisfactory references and a probationary period of 9 months.

Hours of work
This position is office-based and full time hours for research staff average 36½ hours per week.

Holidays
Annual leave is 27 working days per annum (pro-rata) for a full time member of staff.
UCL also closes for a period at Christmas and Easter, at which times staff benefit from a total of 6 'closure days' in addition to Bank Holidays.

Pension
The postholder will be eligible to join the Universities Superannuation Scheme, which is a final salary scheme with a current employee contribution rate of 6.35% and an employer contribution rate of 14% of salary.

Season ticket loans
A season ticket loan is available to staff who have successfully completed their probationary period with the facility to repay through a monthly deduction from salary.

Other benefits

Other benefits of joining UCL as a staff member are many and include:

•   Access to an extensive range of in-house staff development opportunities. Staff have full use of the UCL libraries and UCL operates a Study Assistance Scheme for those undertaking part-time work-related study.

•   An excellent location for transport networks being near Euston, Kings Cross and St. Pancras stations and a choice of underground stations connected to London's other mainline stations. A wide range of bus routes serves the area.

•   UCL lies in Bloomsbury, just north of Oxford Street, Covent Garden and the heart of the West End with access to shops, theatres, cinemas, bars and restaurants. UCL also has its own 550 seat West End arts venue (Bloomsbury Theatre) which hosts drama, dance, music, debates and lectures during the year

- The main campus has subsidised cafeterias/bars and shops, gym, hairdresser and a travel agent. UCL staff can also benefit from corporate membership at a Tottenham Court Road gym.

GLA Economics Research Fellow in Urban Systems
(Ref CASA/09/06/GLA)

Job description

1. To help identify new databases to support land use-transport modelling and the requirements that policy makers seek from such models. This will involved identification and representation of appropriate sources of data for use in such models.

2. To develop land use and transport models and new ways of validating model techniques and outputs, as well as informing debates about policy options and new scenarios.

3. To enhance the use of spatial analysis and GIS techniques in the workstreams of GLA Economics responding to new debates by providing informed advice.

4. To engage in a constructive dialogue between GLA Economics and CASA/UCL in terms of transferring and developing new methods of mathematical urban economic analysis in economic and planning practice.

5. To assist in analysing and providing an overview of the London economy, its drivers and trends for policy-makers and others, and to assist in the dissemination of data and information to a range of audiences, including contributing to the preparation of publications.

6. To help prepare progress reports with the PI and Co-Is on research for funding bodies as required.

7. To contribute to the drafting and submitting of papers to appropriate peer reviewed journals.

8. To comply with the appropriate confidentiality terms regarding the disclosure of project results to third parties.

9. To prepare and present findings of research activity to colleagues and at scientific meetings.

10. To contribute to the overall activities of the research team/project collaborators and department as required.

11. To contribute to the induction and direction of other research staff and students if so requested by the Principal Investigator.

12. To carry out any other duties as are within the scope, spirit and purpose of the job as requested by the Principal Investigator.

13. At all times to follow UCL and Departmental policies including Equal Opportunities, Race Equality, Fire, Security and Health and Safety etc.

Person specification

	Essential	Desirable
1. A post-graduate degree and/or professional qualification in GIS or a related subject, an ability to demonstrate the equivalent level of knowledge through 3-5 years' experience in GIS or a related field, and a concern for developing the best theories for use in the best practice.	✓	
2. A broad knowledge and understanding of international, national, regional and London economic issues and trends and how these might affect policy and service delivery options for the GLA Group.	✓	
3. Evidence of an ability to identify, analyse, develop, and recommend policies and solutions to complex problems through mathematical and related computer technologies that are relevant to proactive problems.	✓	
4. Evidence of computer literacy including proficiency in using GIS, spreadsheet, database and presentation software.	✓	
5. Ability or demonstrated capacity to acquire ability in the use specialised statistical software packages.	✓	
7. Evidence of ability to work on multi-disciplinary, multi-agency projects	✓	
8. Awareness of and evidence of an ability to operate in complex political and policy environments.	✓	
9. An understanding of how the GLA Group's commitment to taking a strategic lead in combating discrimination and promoting equality of opportunity throughout London can be enhanced and supported by this role.	✓	
10. A mature and confident disposition with the ability to present complex topics to a variety of audiences, and to produce and deliver dynamic presentations with ease and speed.	✓	
11. Excellent written and verbal communication skills are essential to this post, as is the ability to work productively as part of a team and to produce high-quality documents, reports and publications.	✓	
12. A positive and flexible attitude with a willingness to take on new areas of application and to contribute on an equal footing to the development of the research	✓	
13. A PhD and proven ability to supervise and direct graduate students.		✓

APPENDIX I: Information to be provided by CV applicants

To be completed by all those submitting a CV in application for a post with University College London. Our equal opportunities policy includes the provision that in recruitment, the only consideration must be that the individual meets or is likely to meet the genuine requirements of the job. No one will be discriminated against on the basis of sex, age, race, colour, ethnic origin, physical disability, marital status, sexual orientation, caring or parental responsibilities, or belief on any matters including religion and politics.

Please complete this form in black ink/biro or by typing or an audio cassette.

Application for the Position of: **GLA Economics Research Fellow in Urban Systems** Ref No or Job Code: **Ref CASA/09/06/GLA**	Department: **CASA**

Surname:	First Name: Preferred Forename (if different):	Title:
Address:	Contact details: **work:** **home:** **email:**	

Are you 64 or over? It is UCL policy that staff normally retire on the 31st July following their 65th birthday. In line with this UCL will not normally employ someone who is within six months of that date. (see http://www.ucl.ac.uk/hr/docs/retirement.php for more information)	Yes/No
Do you require permission / a Certificate of Sponsorship to take up employment in the UK? (Immigration Asylum and Nationality Act 2006 and UK Border Agency Immigration rules – see Border Agency website http://www.ukba.homeoffice.gov.uk/workingintheuk/tier2/	Yes/No
Do you need to register under the Home Office EU Accession State Worker Registration Scheme? (See http://www.ukba.homeoffice.gov.uk/workingintheuk/eea/wrs/ for more information) Are you a Bulgarian or Romanian National? (See http://www.ukba.homeoffice.gov.uk/workingintheuk/eea/bulgariaromania/ for more information)	Yes/No
Have you any unspent criminal convictions in line with the Rehabilitation of Offenders Act 1974? If so, please specify below or on a separate sheet. Appointment to certain posts, as stated in the advertisement and job pack, is subject to a criminal record check. By signing the Declaration you accept that the organisation will seek information from the Criminal Records Bureau and any associated special lists, where we have stated it is necessary to do so.	Yes/No
Do you have a Personal Relationship with any member of staff or student at UCL? If so, please give details: See http://www.ucl.ac.uk/hr/docs/personal_relationships.php for more details	Yes/No
If employed, how many days sick leave have you had in the last 24 months?	
Where did you see this vacancy advertised?	
Current or former UCL staff/students please enter your UPI number if known:	

To the best of my knowledge the answers given to the questions contained in this application and all statements made are true and accurate. Any falsification may be considered sufficient cause for rejection or, if employed, dismissal.

Signature of Applicant...Date...............

REHABILITATION OF OFFENDERS ACT 1974

The Rehabilitation of Offenders Act 1974 is intended to ensure that a person convicted of a criminal offence (whether in Great Britain or abroad), not involving a sentence of more than 2.5 years' imprisonment who has not since re-offended for a specified period of time (a rehabilitation period) related to the severity of their sentence is treated as if the offence, conviction and sentence had never occurred.

Sentences of more than 2.5 years put an individual concerned outside the scope of the Act. Such convictions can never therefore become spent.

(Exceptions) (Amendment) order 1986

Exempted professions NOT covered by The Rehabilitation of Offenders Act 1974 are:-

- Medical practitioner

- Barrister (in England and Wales), advocate (in Scotland), solicitor;

- Chartered accountant, certified accountant;

- Dentist, dental hygienist, dental auxiliary;

- Veterinary surgeon;

- Nurse, midwife;

- Ophthalmic optician, dispensing optician;

- Pharmaceutical chemist;

- Registered teacher (in Scotland);

- Any profession to which the Professions Supplementary to Medicine Act 1960 applies and which is undertaken following registration under the Act

CONFIDENTIAL
EQUAL OPPORTUNITIES CLASSIFICATION FORM

University College London has a commitment to ensuring that staff are appointed, and promoted on the basis of merit, regardless of ethnic origin, sex or disability, sexual orientation, race, colour, nationality (within current legislation), marital status, caring or parental responsibilities, age, or beliefs on matters such as religion and politics.

Monitoring enables us to see what is happening in practice, to assess the impact of our equal opportunities policy and its implementation, to set any targets for improvements, and measure progress. To enable us to do this, and to make the exercise successful, we rely on the following details.

On receipt, this form will be separated from your application form/CV. The information provided will be treated in the strictest confidence and will only be used for the purposes of monitoring. **Thank you for your co-operation.**

Name	**Job Title/Ref. Nº Ref CASA/09/06/GLA**

Please complete all 5 sections:

1.   Ethnic Group

A   White

☐ British

☐ Irish

☐ Any other White background

B   Mixed Race

☐ White and Black Caribbean

☐ White and Black African

☐ White and Asian

☐ Any other Mixed Race background

C   Asian or Asian British

☐ Indian

☐ Pakistani

☐ Bangladeshi

☐ Any other Asian background

D   Black or Black British

☐ Caribbean

☐ African

☐ Any other Black background

E   Chinese

☐ Chinese

F   Other Ethnic Group

☐ Any other background

2.   Sex

☐ Male   ☐ Female

3.   Nationality

[   ]

4.   Are you disabled or do you have an impairment or medical condition?

☐ Yes

☐ No

(Examples of a 'condition' may include impairment of senses, co-ordination, memory, mobility, learning, health or well being)

5.   Date of birth [   ]