The University of Glasgow is seeking to make several appointments associated with the new Urban Big Data Centre funded by the UK Economic and Social Research Council's (ESRC) Big Data Network Phase 2. The centre's work will focus on developing Urban Big Data management and linkage solutions, and research on methods to address urban challenges relating to social justice, dynamic resource management, lifelong learning, urban engagement and environmental sustainability in cities. The project will be led by the University of Glasgow, with the Universities of Edinburgh, Cambridge, Reading, Bristol and Illinois-Chicago as partners.

College of Social Sciences

School of Social and Political Sciences

Professor, Reader, Senior Lecturer or Lecturer in Urban Big Data and Quantitative Methods
Professor Ref: S40130; R/SL/L - Ref: 006903

You will provide academic leadership by conducting internationally - leading research in the area of urban and regional modelling and delivering research-led education. You will develop and teach new specialist methods courses, embedding quantitative methods teaching across a range of undergraduate and graduate courses within Urban Studies, the School of Social and Political Sciences and the College of Social Sciences Graduate School. You will contribute fully to developing and enhancing the methodological research profile of the Urban Big Data Centre by means of research in one or more of the following theme areas: transport; housing; employment and economic development; spatial disparities and social exclusion; public participation and citizen engagement; sustainability, risk and resilience. The research should have a strong methods focus, preferably in one or more of the following areas: urban and regional modelling, urban systems modelling and simulation including innovative statistical and econometric methods; complex systems and agent-based modelling; urban informatics and data science; geospatial technologies/GIS including web and social media technologies.

Lecturer in Transport Studies
Ref: 006922

You will undertake high-quality transport and quantitative research, publish in leading international journals, and actively contribute to teaching in transport planning and policy within the MSc in Urban Transport, as well as other methods courses in statistics, GIS or related areas. You will enhance, with a track record of high - quality publications and external funded research, the Urban Big Data Centre's research profile in transport planning and policy in one or more strategic research areas: use of Big Data and urban informatics in transport planning and operations; innovative demonstrations of analysis and modelling regarding social justice and equity in transport; analysis of social determinants of transport choices and social network analysis for transport planning; modelling and simulation of the links between Information and Communications Technology (ICT) and transport; transport planning and impact analysis for unpredictable challenges, risk, resilience and sustainability of cities.

Research Associate in Transport Informatics
Ref: 008481

You will be responsible for delivering high-impact research in transportation modelling in the new centre. You will be expected to demonstrate a degree of leadership in bringing innovative research approaches to the transport projects within the centre including data science, knowledge discovery and mobility analytics of sensing and social media data, social network analysis, agent-based modelling, methods for dynamic resource management, and GIScience and other computational approaches to managing big mobility datasets and their linkage and curation. You will be responsible for connecting data-driven findings to the existing transport literature and in translating findings to a non-technical audience.

Research Associate in Urban Methods, Modelling and Simulations
Ref: 008480

You will be expected to work with urban researchers from several disciplines as well as researchers from the computational and informatics disciplines to develop an innovative data Urban Indicator database and to contribute to core methodological research in one or more methodological areas: urban and regional modelling, data science for urban problems, social network analysis, complex systems and agent-based modelling or GIScience. You will also deliver high-impact data collection plans using social science survey methods as well as novel sensing and social media methods.

School of Education

Research Assistant/Associate
Ref: 008537

As part of a team, you will undertake research on the project exploring learning city metrics. Contributing to the creation of an element of a contextual multimedia data resource (CMDR), you will support the co-PI in the successful delivery of the project.

College of Science and Engineering

School of Computing Science

Research Assistant/Associate (4 posts)

Ref: 008563: You will have expert knowledge in the data mining and retrieval of textual (including news and social media) and multimedia streams, as well as the mining of data sources within an urban environment.
Ref: 008564: You will have expert knowledge in the identification of events within large real-time textual streams (including news and social media) as well as streams within an urban environment (for use cases in transportation).
Ref: 008565: You will have expert knowledge in the processing of multimedia data (e.g., news videos, social multimedia data) and in data security.
Ref: 008566: You will have expert knowledge in the processing of lifelogging and Google Glass data (e.g., videos, images data).

Salaries:
Professorial: Negotiable
Reader/Senior Lecturer: Grade 9, £47,787 - £53,765
Lecturer: Grade 7/8, £32,590 - £36,661 / £40,046 - £46,400
Research Assistant/Associate: Grade 6/7, £26,527 - £29,837 / £32,590 - £36,661

For further information please visit http://urbanbigdatacentre.co.uk
Informal enquiries are welcome and can be directed to Professor Vonu Thakuriah, on +44 (0) 141 330 4079 or email Piyushimita.Thakuriah@glasgow.ac.uk

Apply online at www.glasgow.ac.uk/jobs

Closing date: 15 May 2014.

Athena SWAN Bronze Award

www.glasgow.ac.uk