

# Research Associate

Reference Number

SH60021728

Location

Northampton Square [Map & Directions](#)

School / Service

School of Mathematics, Computer Science and Engineering

Department

Department of Civil Engineering

Contract Duration

Fixed Term

Hours

Full-time

Salary Range (£)

35609 - 35609

## Background

City University London is an international University committed to academic excellence with a focus on business and the professions and an enviable central London location.

The University is in the top five per cent of universities in the world according to the *Times Higher Education World University Rankings* and attracts around 19,500 students (35% at postgraduate level) from 150 countries. It is well above the sector average for graduate employability in most of its subjects, is in the top ten in the UK for starting salaries and is the top university in London for student satisfaction. City will join the University of London federation in 2016.

The School of Mathematics, Computer Science and Engineering is focused on research, enjoys strong links with industry and has an excellent graduate employment record.

Applications are invited for a Research Associate to work on a multidisciplinary project that will use state-of-the-art imaging techniques to bridge the gap between grain-scale behaviour and laboratory scale.

The applicant will work within the Research Centre for Multiscale Geotechnical Engineering at City University and will also benefit from access to top-end imaging facilities at the Research Complex at Harwell (Oxfordshire) including the Diamond Light Source Synchrotron.

The position is funded by the EPSRC for a fixed term of 12 months and is available from 4 April 2016, or as soon as possible thereafter.

## Responsibilities

The successful candidate will be part of a multidisciplinary team led by Dr Joana Fonseca and involving the University of Manchester, the California Institute of Technology and the industry partners Fugro and the Norwegian Geotechnical Institute.

The research associate will be expected to publish his/her work in top international journals and conference venues.

## **Person Specification**

We are looking for a talented candidate who will be able to carry out experimental tests and develop algorithms for image analysis.

Candidates must have a PhD awarded (or at least PhD thesis submitted) in Engineering, Earth Science/Material Science or a related area with proficiency in a programming language such as Matlab or C++. Previous experience in imaging techniques will be an advantage but not essential.

A good track record in research publication and ability to work effectively within a team is desirable.

## **Additional Information**

In return, we offer a comprehensive package of in-house staff training and development, and benefits that include a defined benefit pension scheme.

Actively working to promote equal opportunities and diversity.

For more information and to apply, click on the link below.

**Closing date: 24 March 2016**

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