UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Architectural Heritage and Virtual Modelling, Faculty of Engineering

Salary: Grade 7 (£33,199 – £39,609 p.a.)

Reference: ENGCV1102

Closing date: Tuesday 16 July 2019

Fixed-term for 18 months

Part time, 70% Full Time Equivalent

Available from 1st August 2019

Research Fellow in Architectural Heritage and Virtual Modelling, School of Civil Engineering

Are you an ambitious researcher looking for your next challenge? Do you have a background in Architecture and Heritage research? Do you want to further your career in one of the UK's leading research-intensive Universities? Do you want to work on a large research project alongside leading academics in the field of Cultural Heritage Preservation?

The Living Museum (LMUQ) is an AHRC funded project that aims to document, record and analyse the multi-layered structures of a Tentative UNESCO heritage site in Jordan (Umm Qais). [The project](#) will implement an evidence-based strategy and action-plan to inform the sustainable preservation of the site using digital and virtual LiDAR technologies. The project is a multidisciplinary collaboration between universities in Jordan and the UK.

Holding a PhD (or close to completion / or have submitted your thesis before taking up the role) in Architecture, Digital Hestiage, Archelogy, Musuems stduies or a closely allied discipline, you will have a strong background in architectural and urban preservation of historic sites and experience in using LiDAR surveys, Point-Cloud Laser scanning and processing digital and virtual modelling techniques.

What does the role entail?

As a Research Fellow, your main duties will include:

- Working with and in support of Dr Selim to ensure the project is successfully delivered and completed;
- Generating and pursuing independent and original research ideas in the area of Architecture and Digital Heritage;
- Developing research objectives and proposals and contributing to setting the direction of the research project and team including preparing proposals for funding in collaboration with colleagues;
- Carry out routine administrative duties as requested, writing the project periodical reports, arranging research group meetings and designing\updating the project website and social media outlets.

- Carry out any other duties designated by the project PI and which fall within the general ambit of the post.
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Supporting the PI and CoI(s) in developing and processing the project digital heritage models, interactive VR environments and implement public engagement activities.
- Curating exhibitions and displays in museums in the UK and abroad to disseminate the project outputs, VR model, posters and interactive apps.
- Plan own day-to-day activity within the framework of the agreed research programme.
- Contribute to the planning of research projects, reports and publications etc. usually 1-3 months in advance.
- Prepare textual/visual and other materials generated throughout the project for dissemination.
- Plan the collation and integration of ethnographic media for the installation from each researcher.
- Plan for research in collaboration with stakeholders/partner organisations as directed by the PI and CI.
- Coordinate and liaise with other members of the research group over the aims of the project and the preparation of materials.
- Plan and contribute to the project's website.
- Transcribe, code and archive interview/survey materials and the project team meetings.
- Work collaboratively with the research team to ensure that materials for digital use are finalised.
- Prepare digital outputs from all work streams to liaise on their development with the PI.
- Assist in developing non-digital and digital materials for impact purposes.
- Ensure research resources are used in an effective and efficient manner.
- Keep logs of all fieldwork activities.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Fellow you will have:
- A PhD (or close to completion / or have submitted your thesis before taking up the role) in Architecture, Digital Hestiage, Archelogy, Musuems stduies or a closely allied discipline;
- A strong background in architectural and urban preservation of historic sites;
- Experience in using LiDAR surveys, Point-Cloud Laser scanning and processing digital and virtual modelling techniques;
- Experience of pursuing external funding to support research;
- A proven track record of peer-reviewed publications in high impact factor journals;
- Excellent written and verbal communication skills including presentation skills;
- Proven ability to manage competing demands effectively, responsibly and without close support;
- Ability to develop and apply visualisation tools to support spatial and virtual communications with public users;
- Excellent visualisation skills, including Illustrator, Photoshop, and animation and VR software packages;
- Ability to demonstrate professionalism in dealing with external project partners, and be prepared to work sensitively, reflexively, and under instruction from the research team;
- Good time management and planning skills, with the ability to meet tight deadlines and work effectively under pressure;
- A proven ability to work well both individually and in multidisciplinary teams;
- A strong commitment to your own continuous professional development.

How to apply

You can apply for this role online; more guidance can be found on our How to Apply information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Dr Gehan Selim, Lecture in Architecture
Tel: +44 (0)113 343 3082
Email: g.selim@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the Faculty of Engineering and the School of School of Civil Engineering.

A diverse workforce

The Faculty of Engineering is proud to have been awarded the Athena Swan Silver Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our equality and inclusion webpage provides more information.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our Working at Leeds information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our Accessibility information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our Criminal Records information page.