



Reader in Digital Architecture and Construction

RGU, Scott Sutherland School of Architecture & Built Environment

Job Summary

We are pleased to advertise an exciting opportunity for a highly motivated and ambitious individual with a strong academic record to join the academic team of the Scott Sutherland School of Architecture & Built Environment, contributing primarily to the development of the School's research agenda. Robert Gordon University is undergoing a period of ambitious change at present, and this post offers considerable opportunity for a dynamic, collaborative, and adaptable individual.

The successful candidate will be an experienced academic with an established record of leading in the application for and undertaking of externally funded research projects, producing peer-reviewed publications, and successful PhD supervision. The successful candidate will augment the School's academic team through the provision of expertise in the area of digital technologies and approaches, as applicable to architecture and the built environment. In particular, we are looking for someone with related expertise (for example, digital data capture and modelling, BIM and Data Management, smart city technology and implementation, Digital collaboration), who can contribute to establishing a *Centre for Digital Cities and Society*. The successful candidate will have the ability to lead, mentor, and support academic colleagues to the benefit of the University, School, and individual.

Working under the direction of the School Research Lead, you will be expected to promote the disciplines and professional areas related to architecture and the built environment, nationally and internationally. You will conduct individual and collaborative research projects, generate grant income and contribute to the research profile leading to the production of research outcomes; contributing to the University's objective of growing academic reputation for research-informed student teaching and learning, innovation and integrated academic practice. You will also be expected to contribute to teaching and consultancy activities.

The research activity of the School is considered central to its success as a progressive, informed, and collaborative academic community. The School

has four clusters of research interest and activity, these being Digital Cities and Society; Housing and Communities; Project Management and Pedagogy (discipline-specific). These areas are strongly aligned to University-wide strategic priorities including those in Energy Transition, Digital Cities, Big Data, Community Engagement, and Teaching & Learning excellence.

The School already demonstrates strong, explicit teaching- research linkages in specific areas, most notably in relation to the energy performance of buildings, urban resilience, and digital visualisation, but it aims to build on this further, extending these relationships to Undergraduate as well as Postgraduate levels.

The School performs a central role in many important external networks and it is expected that new appointments will further extend these in supporting the growth of collaborative and income generation possibilities.

This post is subject to a Disclosure Scotland check. For more information visit: <https://www.mygov.scot/basic-disclosure/>

Salary on first appointment is normally to the bottom of the scale, although *in exceptional circumstances* an appointment further up the scale may be considered.

Job Description

RESPONSIBLE TO: School Research Lead

RESPONSIBLE FOR: Leadership of School research agenda

PURPOSE OF POST: To contribute to the strategic development of the School's academic activity, with particular emphasis on research.

PRINCIPAL DUTIES:

- Under the overall direction of the School's Research Lead, leading on the development and submission of high quality research proposals, in collaboration with staff from across the University and with external partners from all sectors. This activity will have particular focus on the activities of the Centre for Digital Cities and Society.
- Undertaking research projects, leading to and with the support of external research funding, and to engage in the supervision of research students.

- Secure external funding to support research activity in collaboration with other Universities or organisations as appropriate to the research theme.
- Developing and maintaining a strong research network, in relation to the Centre for Digital Cities and Society, to include associated activities (events, seminars, proposals).
- Producing high quality peer reviewed academic outputs, in collaboration and through co-authorship with colleagues (as appropriate).
- Supervising post-graduate research and post-graduate taught students
- Engaging with taught courses through the delivery of lectures, seminars and workshops, and especially where there are opportunities to bridge between School research activity and the curriculum.
- Present research at national and/or international conferences and other appropriate events.
- Contributing to the development and implementation of research strategies in the School.
- Engaging effectively in knowledge or technology exchange and/or public engagement activities, involving collaborations internally and with external organisations.
- Undertaking specific leadership roles in the School e.g. Principal Supervisor, and contribute to institutional committees and working groups as required.

Person Specification

ESSENTIAL REQUIREMENTS

Qualifications and Professional Memberships

PhD in relevant discipline

Knowledge and skills

- Extensive and detailed knowledge and skills pertaining to digital approaches and technologies in architecture and construction. For example, application in design processes, construction / fabrication, project management or through the life cycle.
- Ability to articulate a research vision and strategy for development, implementation, and delivery of successful research projects.

Experience

- Evidence of supervising at least two doctoral students to successful completion
- Excellent record of publications in peer-reviewed journals at a national and / or international level
- Strong record of research funding as appropriate to the discipline
- Experience in providing research leadership

DESIRABLE REQUIREMENTS

Qualifications and Professional Memberships

- A tertiary level teaching qualification
- Membership of a Professional body related to architecture & built environment.

Knowledge and skills

- Up to date knowledge of content and methods of teaching and / or supporting learning including the value and use of learning technologies.

Behaviours

Behaviour 1: Communication - Ability to receive, understand and convey information requiring careful explanation and information of a complex or conceptual nature, in a clear and accurate manner

Behaviour 2: Pastoral Care and Welfare - Experience of calming and reassuring those with work/study related problems who may be experiencing distress, dealing with difficult welfare situations or confidential matters and providing support for those in considerable distress or requiring long-term complex support

Behaviour 3: Teaching and Learning Support - Experience of providing standard information or delivering teaching or training, designing content or learning materials within existing frameworks and developing innovative approaches to learning experience and the curriculum

Behaviour 4: Service Delivery - Experience of exploring and adapting a service to meet customers' expectations and also identifying ways of improving standards

Behaviour 5: Liaison and Networking - Experience of circulating information in an accurate and timely manner, working across team boundaries to build and strengthen working relationships, leading and developing internal networks to pursue a shared interest and leading and building external networks to enhance the work of the organisation

Behaviour 6: Analysis and Research - Experience of identifying or designing data gathering and analytical methods appropriate for each investigation, and producing reports that identify key issues and findings

Salary: 51034.00 - 59135.00 GBP per Year

Position Type: Full Time , Permanent 35.0 Hours per Week

Closing Date: 10 February 2021