**logo-uob-resize[1]**

**Job Description**

|  |  |
| --- | --- |
| **Job title** | Research Associate |
| **Department/School** | ACE |
| **Job family** | Education and Research |
| **Grade** | 7 |
| **Reporting to** | Professor David Coley |
| **Responsible for** | Day to day supervision of other staff e.g. technical staff or supervision of doctoral or undergraduate students may be required. |
| **Location** | University of Bath premises |

|  |
| --- |
| **Background and context** |
| This post is integral to the research project ‘Healthy Housing for the Displaced’ funded by the EPSRC. The project involves a team of civil engineers, architects, and social scientists. This post is a two year fixed term.  The Research Associate’s role will be to lead on the construction of prototype shelters. The role will address the research objective to “Prototype, measure, and develop shelter solutions using novel combinations of conventional and non-conventional materials appropriate for a range of climatic, social, political, and economic conditions” by creating physical buildings, using novel combinations of conventional and non-conventional materials and prototyping in a range of climatic conditions. |

|  |
| --- |
| **Job purpose** |
| To provide subject-specific research expertise and undertake specific research work to John Orr (CI) – based at Cambridge University and the research team for the project ‘Healthy Housing for the Displaced’ |

|  |  |
| --- | --- |
| **Main duties and responsibilities** | |
|  | Responsible to the CI for (as appropriate to discipline): |
| **1** | Conduct individual and/or collaborative research projects. Take a lead in the experimental design and execution of the project. Collect and analyse existing data related to the project using qualitative and quantitative techniques. |
| **2** | Writing up results of research and contributing to publishing of results in high-quality peer-reviewed academic literature. |
| **3** | Project management: e.g. timetabling and meeting project milestones; participating in regular discussions with collaborative partners. Liaise with key stakeholders/industrial partners and conduct focus groups. |
| **4** | Disseminating results of project as appropriate to the discipline e.g. by presentations at conferences. |
| **5** | Participate regularly in group meetings and prepare and deliver presentations to project team, internal and external stakeholders or funders. |
| **6** | Assist with the supervision of graduate students and undergraduate project students and the assessment of student knowledge. |
| **7** | Continually update knowledge and understanding in field or specialism to inform research activity. |
| **8** | Identify sources of funding and provide assistance with preparing bids to funding bodies contribute to securing of funds for research. |
| **9** | Develop research objectives and proposals for own or joint research, with assistance of a mentor if required. |
| **10** | Disseminate knowledge of research advances to inform departmental teaching effort. |

**logo-uob-resize[1] Person Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Essential** | **Desirable** | **Tested through** |
| **Qualifications** |  |  |  |
| Ph.D in Civil Engineering, Architecture, or a related discipline | 🗸 |  | CV |
| **Experience/Knowledge** |  |  |  |
| Post doctoral experience |  | 🗸 | CV / Interview |
| Experience of research focused on displacement and / or humanitarian shelter provision. |  | 🗸 | CV / Interview |
| Demonstrated potential to publish in high quality, peer reviewed journals | 🗸 |  | CV / Interview |
| **Skills** |  |  |  |
| Ability to conduct individual research work and to disseminate results | 🗸 |  | CV / Interview/ Presentation |
| UK Driving License and willingness to drive to construction site | 🗸 |  | CV |
| Ability to effectively lead construction projects | 🗸 |  | CV / Interview/ Presentation |
| Excellent oral, interpersonal and written communication skills | 🗸 |  | CV/ Interview / Presentation |
| Ability to conduct primary research in Arabic, Turkish or French |  | 🗸 | CV / Interview |
| Ability to conduct research around culturally and politically sensitive issues. | 🗸 |  | Interview |
| **Attributes** |  |  |  |
| Enthusiasm for working as part of a multi-disciplinary research team. | 🗸 |  | CV / Interview  Presn |
| Organisation – able to plan and deliver work to meet required deadlines | 🗸 |  | CV / Interview |
| Willingness to undertake overseas travel, which may include working overseas for up to one month. | 🗸 |  | Interview |