



POSTDOCTORAL RESEARCH FELLOW

Fellowship in experimental blast measurements and blast injury, BISRU Centre

(Full time, Two year appointment)

DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY OF ENGINEERING & THE BUILT ENVIRONMENT

The BISRU centre is based within the department of Mechanical Engineering at the University of Cape Town (UCT). The prime objective of BISRU is to perform cutting edge engineering research that saves lives. Our particular focus is on blast, impact and survivability research into materials, structures and people. This is done through systematic and high-quality experimentation, analytical modelling and state of the art computational modelling.

The Department is inviting applications from dynamic and suitably qualified persons for the position of Postdoctoral Research Fellow, who will be working closely with Prof. Genevieve Langdon, Prof Gerald Nurick and other members of BISRU to work on research related to blast experimentation and blast injuries.

Purpose of award: The group is involved work with partners at the Universities of Southampton and Sheffield. BISRU is the co-founder of the International Blast Research Network (IBRN), which is a multi-disciplinary group seeking to advance the safety of people and reduce the severity of blast injuries worldwide. Part of the fellow's time will be spent on developing experimental capabilities in small-scale blast experimentation, looking at urban confinement, and some of the fellow's time will be devoted to supported IBRN related projects in co-operation with Dr Jack Denny at the University of Southampton. The fellow may be involved with co-supervision of post-graduate students and assist in offering post-graduate courses and workshops.

Conditions of Award:

- Postdoctoral research fellowships are only available to individuals who have achieved the doctoral degree within the past 5 years;
- Applicants may not previously have held full-time permanent professional or academic posts;
- No benefits or allowances are included in the value of the fellowship;
- The successful incumbent will be required to comply with the University's approved policies, procedures and practises for the postdoctoral sector.

Value and tenure:

- The award will commence in February 2020 with the maximum term terminating in December 2022 (two years). The second year will be available upon satisfactory progress made during the first year and is also subject to the availability of continued research funding.
- The annual remuneration will be R280,000.

Academic Criteria:

- The fellowship is only available to individuals who have achieved the doctoral degree within the past 5 years. Applications will be considered from those who have submitted their PhD which is under examination, although confirmation of the doctoral award must be provided within the first six months of registration. The Ph.D. work should be in an area specific to the objectives and research areas of BISRU, which are available on our website www.bisru.uct.ac.za
- Preference will be given to those with excellent communication skills, as the work will involve communication with multiple stakeholders across different countries represented by the IBRN.

Application requirements:

All applications should include:

- A letter of application. Please state your area of expertise and research interests and experience.

- A CV including a list of publications/scholarly output;
- Copies (or certified copies) of academic transcripts;
- Names and contact details of at least two academics who have worked closely with you, to provide references on your potential and suitability for the position

To apply, please e-mail the above documents in a single pdf file to Prof Genevieve Langdon. Email: Genevieve.langdon@uct.ac.za

Please ensure the title and below reference number are indicated in the subject line. An application which does not comply with the above requirements will be regarded as incomplete.

Only shortlisted candidates will be contacted and may be required to undergo assessments as part of the shortlisting and/or selection process.

Reference number: BISRUPDRF001 Closing date: 30 January 2020

UCT is committed to the pursuit of excellence, diversity and redress in achieving its equity targets. Our Employment Equity Policy is available at www.uct.ac.za/downloads/uct.ac.za/about/policies/eepolicy.pdf

UCT reserves the right not to appoint.