



Blast Impact and Survivability Research Unit
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Postgraduate Research: Bursaries available in BISRU

Applications are invited for MSc and PhD bursaries for students who wish to pursue research in:

- **B**last loading of structures and materials
- **I**mpact response of structures
- **S**urvivability of humans (through dummy testing) and structures
- **R**esponse of materials at high strain rates
- **U**pscaling impact and blast protection levels

Who we are

The Blast Impact and Survivability Research Unit (BISRU) was established in 2003 to continue the long running research work started in the 1980's on impact and blast loading of structures. BISRU strives to reduce risk of injury and save lives through fundamental principles of science and engineering, using experimental, analytical and computational tools and techniques to understand the mechanics and dynamics of blast and impact loads.

What we offer

- Experienced and dedicated supervisors for a wide range of MSc and PhD projects.
- The opportunity to conduct world class research in blast, impact and survivability.
- Unique experimental facilities, including an operational blast chamber, impact rigs, Hopkinson bar apparatus and a sled tester. A Hybrid III test dummy is currently under order.
- State-of-the-art computational software (such as LS Dyna, Abaqus, Autodyn) and expert guidance from our experienced research staff.
- Competitive bursary support, plus running costs for your project.

Interested?

Make an appointment with Prof Nurick or one of the other BISRU staff to discuss your options. More information about our work can be found at www.bisru.uct.ac.za

