



UNIVERSITY OF TASMANIA
AUSTRALIAN CENTRE FOR RESEARCH ON SEPARATION SCIENCE (ACROSS)

**POST-DOC POSITIONS IN COUNTER-TERRORISM
RESEARCH**

The **Australian Centre for Research on Separation Science (ACROSS)** is a collaborative research centre involving some 70 researchers at the University of Tasmania in Hobart, Tasmania, RMIT University in Melbourne, Victoria, and the University of Western Sydney in Sydney, New South Wales. ACROSS undertakes research over a broad range of topics related to separation science. A description of ACROSS and a copy of the 2007 Annual Report can be accessed at <http://www.across.utas.edu.au>.

There currently exists a number of positions to work with this exciting and dynamic research centre on a project with direct relevance to Australian and global security and counter-terrorism. ACROSS holds several large nationally funded research grants in collaboration with 9 State and Federal regulatory bodies (including the Australian Federal Police and the National Institute for Forensic Science) on the development of a pre-blast screening and post-blast analysis systems for homemade improvised explosive devices (HIEDs) constructed using inorganic salts, organics and peroxides. These projects aim to develop new screening and detection technologies to permit the rapid identification of HIEDs using highly portable and easy to operate instrumentation for determination of the chemical composition of inorganic, organic, and peroxides based explosives employing capillary and microchip electrophoresis (CE) and liquid-based chromatography (IC and LC). Applications of this technology include the chemical identification of HIEDs through the analysis of post-blast residues, the screening of people and associated items, the examination of suspect packages, the screening of vehicles, bomb-searches, identification of unexploded ordnance, and forensic pre-blast testing (such as the identification of trace residues present at suspect scenes and clandestine explosive laboratories or the forensic examination of pre-blast explosive residues at a crime scene).

Persons interested in applying for this PhD scholarship should send a CV directly to Dr Greg Dicoski, Deputy Director of ACROSS, Private Bag 75, Hobart, TAS, 7001 or by email (greg.dicoski@utas.edu.au). Further information can also be requested by email or by calling Dr Greg Dicoski on +61 3 6226 2166.