

**Victoria**

**Victoria University**

**LP0883920** A/Prof DL Ben-Moshe; Prof GJ Hugo; A/Prof LV Baldassar; Dr TA Joiner; Dr S Francis; Mr O Andreevski

**Approved Project Title** **Australian diasporas and brain gain: exploring current and potential transnational linkages.**

**2008 :** \$ 55,000

**2009 :** \$ 110,000

**2010 :** \$ 87,500

**2011 :** \$ 32,500

**Primary RFCD** 3705 DEMOGRAPHY

APA(I) Award(s): 1

**Collaborating/Partner Organisation(s)**

Victorian Multicultural Commission  
 Australian Vietnamese Women's Welfare Association  
 Centre for Multicultural Youth Issues  
 Embassy of the Republic of Macedonia  
 COASIT Italian Historical Society  
 Italian/Australian Welfare and Cultural Centre  
 Council for International Trade and Commerce SA Inc

**Administering Organisation** Victoria University

**Project Summary**

The research will investigate current and potential future roles of diasporas in both Australia and overseas in facilitating trade and investment. The study will examine their political, cultural and kinship ties with homelands and map the geography of seven diasporas in Australia. This will provide new data that describes the character, motivations and movements of diasporas in Australia. Data analysis will determine the current and potential role diaspora play in adding value to Australian society through 'brain gain' and 'circulation' versus 'brain drain'. Findings will inform migration and social policy aimed at maximising benefits of migration.

**LP0884146** Prof I Thomas; Prof D Bruck

**Approved Project Title** **The role of location on the effectiveness of smoke alarms**

**2008 :** \$ 25,000

**2009 :** \$ 25,000

**Primary RFCD** 2999 OTHER ENGINEERING AND TECHNOLOGY

**Collaborating/Partner Organisation(s)**

Australian Building Codes Board  
**Administering Organisation** Victoria University

**Project Summary**

Smoke alarms in buildings are required by the Building Code of Australia (BCA), but the current requirements are less than optimal. This project will provide the basis for optimisation of smoke alarms and the number, interconnection and positioning of smoke alarms in residential buildings. This is expected to lead to reductions in fire fatalities, injuries and property loss.

## Summary of Linkage Projects Proposals for Funding to Commence in 2008

**LP0883282** A/Prof LY Zou; Dr GE Morris; Prof Dr H Song; Mr JT Martin

**Approved Project Title** **High performance conductive mesoporous carbon electrodes: a low energy desalination alternative**

**2008 :** \$ 22,500

**2009 :** \$ 45,000

**2010 :** \$ 45,000

**2011 :** \$ 22,500

**Primary RFCD** 2918 INTERDISCIPLINARY ENGINEERING

### **Collaborating/Partner Organisation(s)**

Docklands Science Park Pty Ltd

**Administering Organisation** Victoria University

### **Project Summary**

The high cost of existing desalination technology has limited its wider application. There is an urgent need for alternatives which require less energy than current methods. The proposed electrosorption process utilising porous carbon electrodes has the advantage of very low energy demand. Electrosorption therefore has the opportunity to become an alternative desalination option for application in a national and global water desalination market. Advancement in water desalination technology has the potential for a profound social, economical and environmental impact. This vital research is aligned with the National Research Priority 1, An Environmentally Sustainable Australia; Priority Goal: Water, A critical resource.