



***CITYFUTUREs**

Annual Report 2009

CITY FUTURES RESEARCH CENTRE

Faculty of the Built Environment, University of New South Wales

ISSN 1838-1219

June 2010

 **AHURI** UNSW/UWS
RESEARCH CENTRE

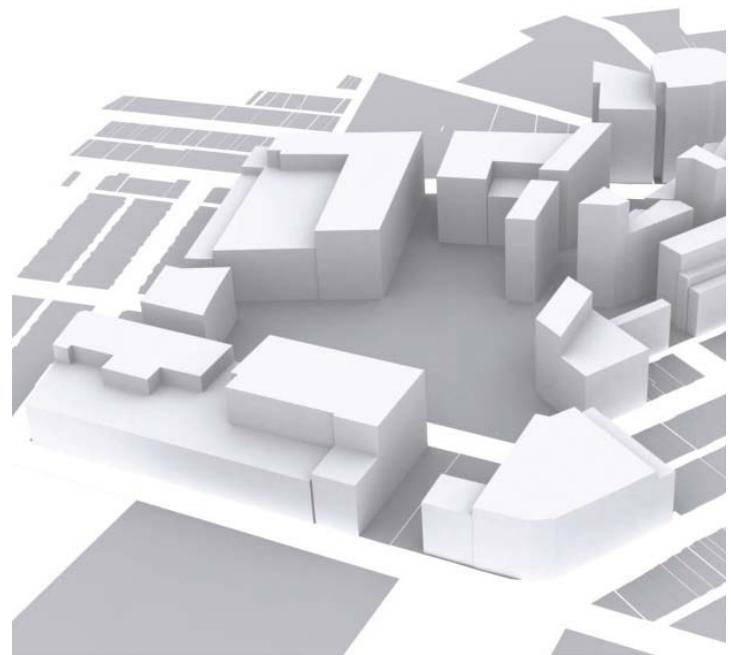
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THE UNIVERSITY OF NEW SOUTH WALES

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INTRODUCTION AND SUMMARY

1 INTRODUCTION AND SUMMARY

The City Futures Research Centre is a University Research Centre within the Faculty of the Built Environment at the University of NSW. It was officially established in May 2006 and formally launched in early June 2006 by the Honourable Kim Carr MP, then Federal Shadow Spokesperson on Housing and Urban Affairs, now the Federal Minister for Innovation, Industry, Science and Research.

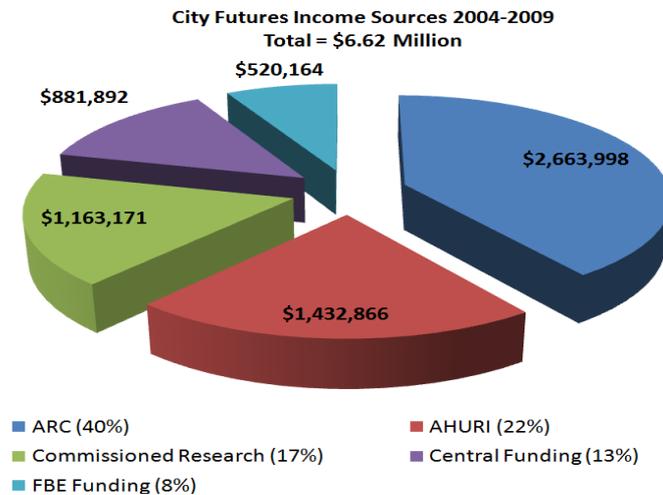


Prof Bill Randolph, Director
City Futures Research
Centre

The Centre's main foci are the inter-related areas of housing, urban planning, urban design, development and policy and its research interests encompass the social, economic and environmental aspect of contemporary city dynamics. The Centre represents one of the leading concentrations of full-time and associated researchers and postgraduates in urban and housing policy issues in Australia. It incorporates the successful UNSW/UWS Australian Housing and Urban Research Institute (AHURI) Research Centre, which was established in January 2000.

One of the key strengths of City Futures is its ability to draw directly on the wider expertise and interests of Faculty staff as well as aiming to work closely with colleagues in other UNSW Faculties who wish to come together with Centre members to research aspects of urban growth and policy.

The development of the new centre was stimulated by the appointment of Prof. Bill Randolph in August 2004 who joined A/Prof Bruce Judd at the FBE to develop the Centre. Dr Simon Pinnegar was appointed Deputy Director during 2006. By the end of 2009, research funding totalling \$6.62m had been attracted to the Centre, as follows:



Highlights for 2009

2009 was a year of growth and change at City Futures. The Centre continues to track well against performance targets, particularly with respect to publications, industry partners, conference and community presentations and post-graduate research student load (see page 11).

The year began with notable successes in terms of new ARC and AHURI grants which were the outcome of targeted grant activity during the latter half of 2008. We were successful with three large ARC grants: “*The Drivers and Outcomes of Re-Investments in Low Density Suburban Housing Markets*”, “*Governing the Compact City*” and “*Implementing Metro Planning Strategies*”. Together with four new AHURI projects commencing during the year, the Centre consolidated its growth trajectory of the previous three years and further developed our research strengths in core areas of interest, specifically, urban renewal, housing market analysis and

housing policy. Together, these new initiatives represented \$1.172m in new research income.

In addition, the Centre was successfully nominated as the Built Environment Node in the newly established **National Climate Change Adaptation Research Facility Settlement and Infrastructure Network** which will run until 2012. On the basis of this income, the Centre successfully negotiated a matched funding arrangement with the Faculty to support a full time research position in the climate change area. During the year, **Dr Peter Graham** took on the role of Node convenor and **Dr Peter Rickwood** was recruited to fill the position. This represents a new theme area for the Centre and one that we aim to develop over the next few years. Plans are now underway to establish a **City Climate Change Observatory** on the basis of this investment, led by Dr Graham.

We saw Dr Kristian Ruming leave for a lecturing position at Macquarie University in the early part of the year. We wish him well in this post. Together with the need to replace Dr Ruming, as well as to meet an increased research workload, we recruited two additional staff members in mid-year: **Dr Tony Gilmour** and **Dr Ilan Vize** joined the team. To provide additional research officer support; **Dr Edgar Liu** commenced employment with City Futures in April 2009.

Other notable events included co-hosting with **Swinburne University's Institute for Social Research** the joint **Australasian Housing Researchers Conference** and the **Asia-Pacific Housing Researchers Conference** in August. The conference, co-chaired by Prof Randolph and **Prof Rebecca Chui** from the University of Hong Kong attracted with several international keynote speakers, including **Prof Michael Stone** (University of Massachusetts) and **Dr. Kyung-Hwan Kim** (Singapore Management University). The conference attracted 170 delegates from Australasia and internationally.

The conference was launched by **The Honourable Tanya Plibersek**, Federal Minister for Housing; Minister for the Status of Women and **Mr Rod Fehring**, Chair of AHURI Ltd and Executive Director of Delphin Lendlease. **The Honourable David Borger**, NSW Minister for Housing and Minister for Western Sydney, and **Mr Mike Allen**, Director General Housing NSW, also addressed the Conference. Conference papers and other material from this conference can be accessed at <http://www.fbe.unsw.edu.au/cf/apnhr/>.



**Prof Rebecca Chui, The Honourable Tanya Plibersek,
Mr Rod Fehring and Prof Bill Randolph**



**Prof Bill Randolph, The Honourable David Borger, Mr Mike Allen
and Prof Rebecca Chui**

We had a series of significant visitors at the Centre over the year. **Dr Peter Williams** visited the Centre from the UK between July and September. He organised a high level international housing policy workshop in conjunction with the journal *Housing Studies* at the Quarantine Station on North Heads, with **Dr Christine Whitehead** visiting from Cambridge University.

Dr Ning Su from the Shanghai Institute of World Economy visited in October, undertaking research on Urban Renewal schemes in Sydney.

Dr Ian Smith from the Cities Research Centre at the University of West of England in Bristol and **Mr Chris Twinn** from ARUP, London, presented a joint seminar on Climate Change and the City in July.

Several seminars were presented featuring visiting speakers in conjunction with **Housing NSW**, including **Dr Peter Williams**, **Prof Michael Stone** and **Prof Hal Pawson** (Herriot Watt University).

The Centre continued to make an impact in areas of policy and practice, with staff presenting research findings to a range of Federal, State and Local Government policy makers, as well as contributing to a number of industry and community events and activities and retaining a strong media profile.

The Centre also developed its links with the Faculty more generally, both through involvement of Faculty staff in various research activities and through the contribution of Centre staff in teaching and supervision. Over the next two years, we expect this engagement to extend further.

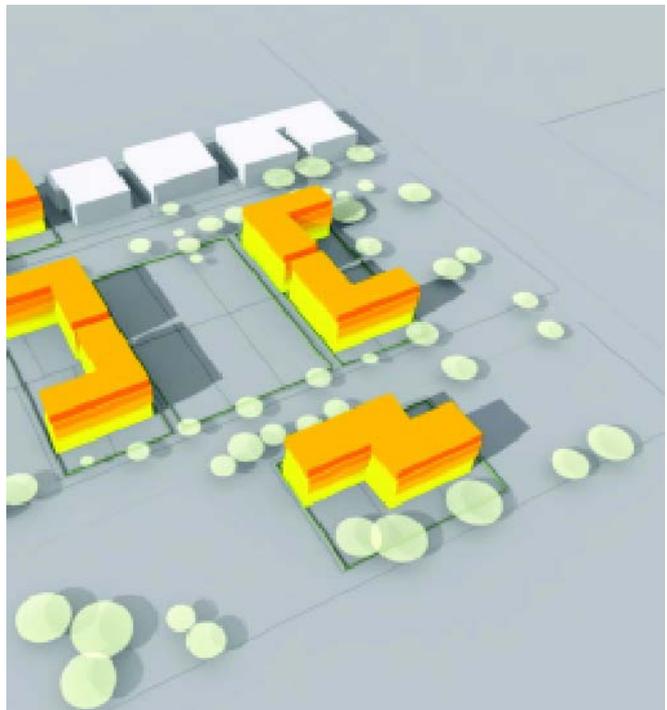
In July, the Director was appointed as Associate Dean Research for the Faculty, with increased responsibilities being handed to the Deputy Director for day-to-day management of the Centre.

Up to date news, reports and staff information can be accessed throughout the year on our website: www.cityfutures.net.au.



Prof Bill Randolph
Director, City Futures Research Centre

May 2010



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CENTRE STAFF, VISITORS AND ASSOCIATES, 2009

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CENTRE STAFF, VISITORS AND ASSOCIATES, 2009

CITY FUTURES MANAGEMENT BOARD

- **Prof Alec Tzannes (Chair)**, Dean, Faculty of the Built Environment
- **Ms Shelly Wood**, General Manager, Faculty of the Built Environment
- **Prof Martin Loosemore**, Associate Dean of Research, (until July 2009), Faculty of the Built Environment
- **Prof Robert Freestone**, Professor, Planning Program, Faculty of the Built Environment
- **Prof Bill Randolph**, Director City Futures Research Centre, Associate Dean of Research, (from July 2009), Faculty of the Built Environment
- **Dr Simon Pinnegar**, Deputy Director, City Futures Research Centre
- **A/Prof Bruce Judd**, Visiting Senior Research Fellow
- **Prof Jane Marceau**, Visiting Professorial Fellow

Three formal Management Board Meetings took place in 2009 on 23rd April, 12th October and 17th December.

CENTRE STAFF 2009

- **Prof Bill Randolph**, Centre Director
- **Dr Simon Pinnegar**, Deputy Director
- **Dr Jack Barton**, Research Fellow
- **Dr Hazel Easthope**, Research Fellow (promoted from Research Associate with effect 1 January 2009)
- **Dr Tony Gilmour**, Research Associate (Appointed 14 September)
- **Dr Edgar Liu**, Research Officer (Appointed 14 April 2009)
- **A/Prof Vivienne Milligan**, A/Prof
- **Dr John Mitchell**, Senior Research Fellow
- **Dr Peter Rickwood**, Research Associate (Appointed 10 August 2009)
- **Dr Kristian Ruming**, Research Fellow (resigned February 2009)
- **Maria Schwensen**, Administrative Coordinator
- **Andrew Tice**, Senior Research Officer
- **Dr Ilan Vizel**, Research Associate (Appointed 6 July 2009)

VISITING STAFF 2009

- **Dr Raymond Bunker**, Visiting Senior Research Fellow
- **Prof Michael Eyers**, Visiting Professorial Fellow
- **A/Prof Bruce Judd**, Visiting Senior Research Fellow
- **Prof Jane Marceau**, Visiting Professorial Fellow

- **Dr Judy Stubbs**, Adjunct Senior Research Fellow
- **Prof Patrick Troy**, Visiting Professorial Fellow
- **Prof Jennifer Westacott**, Visiting Professorial Fellow
- **Tom Wilson**, Visiting Fellow

Other Visitors

- **Dr Peter Williams**, Senior Visiting Fellow, August – September 2009
- **Dr Ning Su**, Visiting Fellow September, Institute of World Economy, Shanghai September – October 2009. Australia-China Council's 2008-2009 Australian Studies Competitive Projects Program for research project: "*Urban Renewal in Current Australia Metropolis and its Implication to China*".

FBE ASSOCIATE STAFF 2009

In addition to the Centre staff, the following 7 Faculty were actively associated with the Centre during 2009.

- **A/Prof Catherine Bridge**, Home Modification Information Clearinghouse (HMInfo).
- **Dr Oya Demirbelik**, Head of Industrial Design Program, Supervision of Joanne Quinn, AHURI Top-up Scholar and co-investigator of successful AHURI grant application on adaptable housing to start in 2007.
- **Prof Rob Freestone**: Planning history and heritage.
- **Peter Graham, Senior Lecturer, Architecture**: National Climate Change Adaptation Research Network Settlements and Infrastructure.
- **Prof Peter Murphy**: Economic development, immigration policy, coastal migration, peri-urban areas, urban economics.
- **Jim Plume**: Building Information Modelling, spatial decision support systems, architecture and technology.
- **A/Prof Susan Thompson**: Planning and development approval, cultural aspects of urban life, health and planning, social planning.

RESEARCH PARTNERSHIPS

City Futures is engaged in research with a range of academic partners.

AHURI

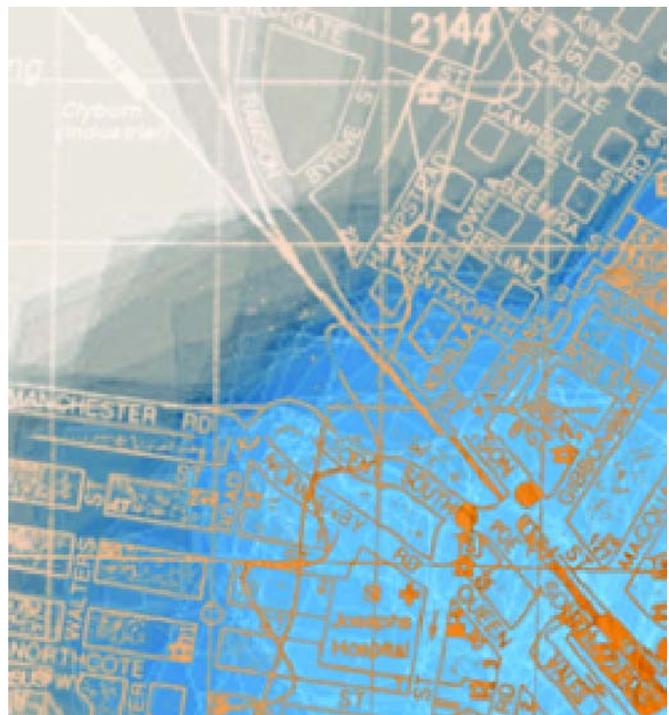
- A/Prof Nicole Gurrán, University of Sydney
- A/Prof Kath Hulse, Swinburne University, Melbourne
- Dr Keith Jacobs, University of Tasmania
- Dr Alan Morris, School of Sociology
- Dr Diana Olsberg, Faculty of Arts and Social Sciences
- Rhonda Phillips, University of Queensland
- Dr Max Travers, University of Tasmania
- Prof Peter Williams, Centre for Housing Studies, University of York
- Prof Judy Yates, University of Sydney

Other active Research Partnerships

- A/Prof Ron Cox, Faculty of Engineering, UNSW and National Climate Change Adaptation Research Facility
- Prof Steven Dovers, Fenner School, Australian National University
- Prof Ruth Fincher, Department of Geography, University of Melbourne
- Prof Brendan Gleeson, Griffith University

Active Industry/Government Partners

- Andreones Lawyers
- City of Sydney
- Commonwealth Department of Families, Housing, Community Services and Indigenous Affairs (FaHCSIA)
- Commonwealth Department of Health and Ageing
- Housing NSW, Department of Human Services
- Institute of Strata Title Management
- NSW Land and Property Management Authority
- Landcom
- Lannock Strata Finance
- Macquarie Bank
- NSW Department of Planning
- NSW Fair Trading
- Owners Corporation Network
- Sydney Olympic Park Authority
- Urban Development Institute of Australia
- Western Sydney Regional Organisation of Councils



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PERFORMANCE AGAINST TARGETS

3 PERFORMANCE AGAINST TARGETS

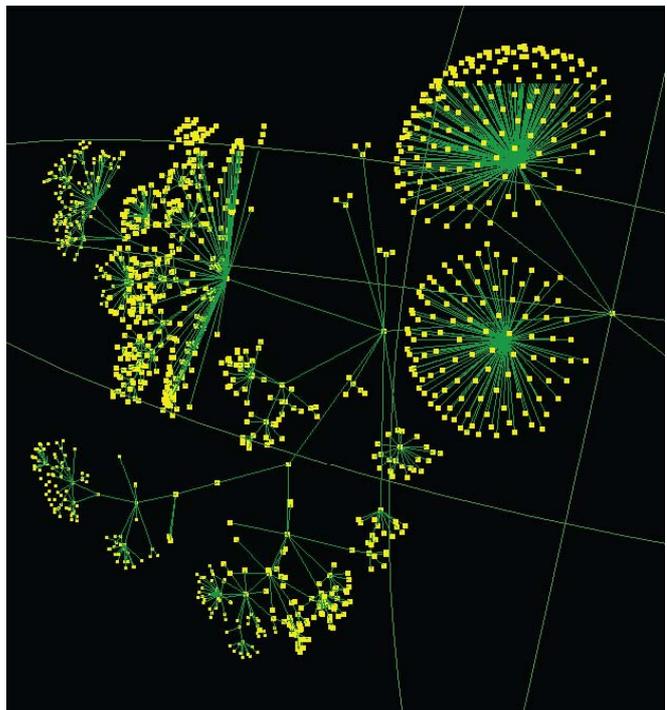
The following table sets out the Centre's performance against financial and other performance targets that were considered achievable under projected staffing and capacity.

	2009 Target	2009 Actual
Research income	\$ 1,000,000	\$ 1,282,349
Performance Targets		
Total projects completed in year	8	8
No. of publications eligible for DEST	35	30
No. of industry partner based projects	6	11
No. of media references/mentions	40	36
No of Australasian conference presentations	30	20
No of International conference presentations	5	6
No. of community/practice presentations	15	31
PhD completions (cumulative)	1	1
Post-graduate students (actual)	16	16
Post-graduate completions (cumulative)	1	1
Associate Faculty staff	10	6

The Centre's performance over the past four years is shown in the following table:

	2006	2007	2008	2009
Research income	\$0.708m	\$0.658m	\$1.197m	\$1.000m
Non-Financial Targets				
Total projects completed in year	6	6	14	8
No. of publications (DEST/ALL)	5/9	16/31	18/27	30/35
Industry partner based projects	6	7	6	11
Media references/mentions	35	44	52	36
Australian conference presentations	5	25	11	20
Internat'nal conference presentations	6	2	7	6
Community/practice presentations	12	17	31	31
Post-graduate students (actual)	6	10	16	16
Associate Faculty staff	11	9	7	6

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CITY FUTURES WEBSITE

4

CITY FUTURES WEBSITE

Visits and page views to City Futures Research Centre's website are monitored through *Google Analytics*.

Number of visitors to www.cityfutures.net.au in 2009.		
	Page views	Unique visitors
January	3,995	798
February	4,438	1,025
March	4,813	1,071
April	6,002	1,536
May	5,384	1,255
June	5,623	1,488
July	8,620	2,155
August	6,474	1,715
September	2,956	896
October	3,991	1,101
November	2,952	870
December	2,539	664
Average	4,816	1,215

The highest amount of traffic to our website occurred in July 2009 due to the 2009 Housing Researchers Conference hosted 5-7 August 2009.

14,574 visits came from 95 countries/territories:

Country	Visits
Australia	11,223
New Zealand	481
United Kingdom	331
Japan	302
South Korea	292
United States	262
Hong Kong	179
Netherlands	153
China	138
Canada	97

The most viewed project web pages were:

ARC DP0773388 – The Demand for Higher Density Housing in Sydney and Melbourne (/cityfutures/research/cityfutures/projects.asp?id=higherdensity)

- 458 Page views
- 288 Unique Views

ARC LP989373 – Governing the Compact City: The Role and Effectiveness of (/cf/research/cityfuturesprojects/governingthecomcompactcity/)

- 387 Page views
- 222 Unique Views

Managing Major Repairs in the Residential Strata Sector Owners (/cf/research/cityfuturesprojects/managingmajorrepairs/)

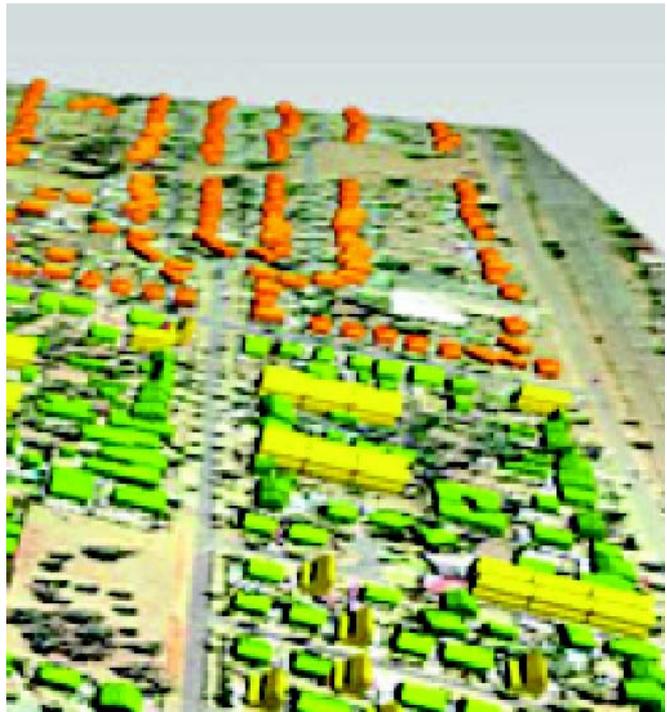
- 158 Page views
- 125 Unique Views

ARC LP562419 - Planning for Socially Sustainable Urban Renewal in Suburban Sydney (/cf/research/cityfuturesprojects/urbanrenewal/)

- 143 Page views
- 113 Unique Views

Five of City Futures Research Centre's AHURI Project Research Reports were listed on AHURI's top 20 most downloaded report list (downloaded from <http://www.ahuri.edu.au>)

Report	Downloads
Innovations in the provision of affordable housing: AHURI Final Report No. 134	310
Dwelling and land use by older home owners: AHURI Positioning Paper No. 111	239
Planning, government charges, and the costs of land and housing: AHURI Final Report No. 140	193
Innovations in the provision of affordable housing: AHURI Research and Policy Bulletin	181
Innovative financing for home ownership: AHURI Final Report No. 137	163



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DESCRIPTION OF RESEARCH PROJECTS IN PROGRESS OR COMPLETED IN 2009

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DESCRIPTION OF RESEARCH PROJECTS IN PROGRESS OR COMPLETED IN 2009

PROJECTS COMPLETED DURING 2009

Project Name	Funded by	Start	Total Funds
ARC DP773388 - The Demand for Higher Density Housing in Sydney and Melbourne	ARC	2007	\$ 327,600.00
Innovative Financing for Homeownership: the potential for shared equity in Australia	AHURI	2007	\$ 160,285.00
The Housing Affordability Impacts of Local Government Building Controls, State Government Charges and Other Regulations	AHURI	2007	\$ 116,244.00
MOSAIC Baseline Survey	Housing NSW	2008	\$ 163,963.00
Managing Major Repairs in the Residential Strata Sector	NSW Office of Fair Trading	2008	\$ 50,000.00
NSW Housing Area Renewal Strategy Development	Housing NSW	2009	\$ 34,912.50
Mapping of Low Income Older Private Renters in NSW	United Care Ageing	2009	\$ 4,255.00
Tracing the Federal Government Urban Agenda: exploring the early years of the Department of Urban and Regional Development (1970 – 1975)	FBE 2009 ECR Grant	2009	\$ 13,195.00
Development of automated 3D modelling of strata schemes in NSW	FBE 2009 ECR Grant	2009	\$ 13,195.00

PROJECTS ONGOING AT END OF 2009

Project Name	Funded by	Start	Total Funds
ARC LP0668205 - Assessing the Effectiveness of Public Housing Estate Regeneration in NSW	ARC	2005	\$ 441,782.00
ARC LP0776642 - An Integrated Information Model to Support Metropolitan Planning	ARC	2006	\$ 627,000.00
ARC DP0986122 - The Drivers and Outcomes of Re-Investments in Low Density Suburban Housing Markets	ARC	2009	\$ 273,000.00
ARC LP0989373 - Governing the Compact City	ARC	2009	\$ 266,000.00

ARC LP0990075 - Implementing Metro Planning Strategies	ARC	2009	\$ 296,000.00
The Efficient Use of Dwellings and Land by Older Homeowners	AHURI	2007	\$ 209,102.00
Low-Income Home Ownership Support Programs: A Review of Past Schemes and Consideration of Future Potential	AHURI	2008	\$ 113,684.00
Partnership working in the design and delivery of housing	AHURI	2009	\$ 72,705.00
Service integration and indigenous housing	AHURI	2009	\$ 177,760.00
Regulatory Frameworks and Their Utility for the Not for Profit Housing Sector	AHURI	2009	\$ 32,559.00
Secure Occupancy in Rental Housing: A Comparative Analysis	AHURI	2009	\$ 48,909.00
Institutional investment in affordable rental housing	AHURI	2009	\$ 4,828.00
National Climate Change Adaptation Research Facility	Department of Climate Change	2009	\$ 144,000.00

COMPLETED ARC PROJECTS

The Demand for Higher Density Housing in Sydney and Melbourne (ARC DP773388)

In most capital cities in Australia future residential development is based upon increasing the number of higher density dwellings (predominantly apartments) being built in the existing urban fabric. Proponents of urban consolidation policies contend that there are economic, social and environmental benefits to be gained from building out cities at much higher densities than currently exist. There is also a body of researchers who claim that the perceived benefits of urban consolidation policy are based on assumptions and that little evidence exists to support these proposed benefits. This project aimed to increase our knowledge of the impacts of urban consolidation policy by analysing some of the social, behavioural and transport assumptions that lay behind this policy in Sydney and Melbourne. In particular, the project aimed to examine whether some of the perceived benefits of urban consolidation are experienced by individuals who live in such dwellings.

This project was awarded in November 2006 and started in January 2007. The research was completed in early 2009. At present the research team are working on conference papers, working papers and journal articles drawing upon the results of the research.

As part of this research, a telephone survey of 1202 apartment residents was completed in addition to a web-survey of 420 apartment residents. In-depth interviews with 29 apartment residents (conducted over the telephone) were also undertaken as part of the qualitative component of the research. In addition, analysis was undertaken on the changes in higher-density sub-market populations

between 2001 and 2006 using customised data from the 2006 Census. Some of the results of the research were presented at strata managers' forums in both Sydney and Melbourne, hosted by Andreones Lawyers. Conference papers were presented at the State of Australian Cities Conference 2007 the Institute of Australian Geographers conference in 2008 and the Australasian Housing Researchers Conference in 2009. The researchers also published a peer reviewed article in the journal *Housing Studies* [2009, 24(2):243-260].

Working papers have been published on the project webpage www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/higherdensity/.

A number of articles detailing some of the findings have also been published in the Sydney Morning Herald.

COMPLETED AHURI PROJECTS

Innovative Financing For Homeownership: the potential for shared equity in Australia – AHURI Project 70394

This project provided a comprehensive appraisal of the appropriateness and potential for shared equity models to assist households into affordable home ownership, and the role of Government intervention in this regard. City Futures conducted this research in conjunction with colleagues at the University of Sydney (A/Prof. Yates and Milligan) and international expertise from Dr Peter Williams (UK). The positioning paper for the project was completed and published in 2008, and initial findings from the research presented at the National Housing Conference held in Sydney in February. In mid-2008, the second stage of fieldwork involved ten focus groups with potential customers in Sydney, Melbourne and Brisbane. Based upon these discussions, alongside consideration of wider policy, market, financial and lender considerations, the final report was completed in mid 2009 and presented at the 2009 National Housing Conference in Melbourne [

http://nationalhousingconference.org.au/downloads/2009/presentations/NHC09_T10_Pinnegar.pdf

For more information regarding this project, please visit the project website:

www.fbe.unsw.edu.au/cf/research/ahuriprojects/innovativefinancing/

The Housing Affordability Impacts of Local Government Building Controls, State Government Charges and Other Regulations – AHURI Project 70393

This project drew on international research and an objective evaluation of existing Australian data to develop a consistent approach for understanding the cost effect of planning regulations and charges on house prices and affordability in Australia. The project has attempted to quantify the cumulative cost impacts of state and local government regulations and charges in a selection of case study developments in new release and urban renewal areas across inner city, suburban, and non metropolitan local government areas in SE Queensland, Sydney and Melbourne.

It set out to evaluate the cost impacts of existing and proposed regulation on housing production against the explicit objectives of the regulation, as a basis for avoiding unnecessary or unjustifiable regulation and for offsetting affordability impacts where these are unavoidable.

The project was jointly conducted with the AHURI Research Centre at Sydney University (Dr Nicole Gurrán). An AHURI Positioning paper was published on the AHURI website in April 2008, and the final report delivered in October 2009.

For more information regarding this project, please visit the project website:

www.fbe.unsw.edu.au/cf/research/ahuriprojects/planninggovernmentcharg/

COMPLETED OTHER CITY FUTURES PROJECTS

Managing Major Repairs in the Residential Strata Sector

Funded by: NSW Office of Fair Trading

This study looked into the attitudes towards, and practice of, funding major repairs in the residential strata sector in NSW. The project had three aims: to establish current practices in respect to funding major repairs and maintenance in residential strata titled complexes; to explore the attitudes and knowledge of planning for major repairs funding among consumers of residential strata; and to undertake a benchmarking exercise based on data collected by strata property managers in order to estimate the types of information available on maintenance and major repairs at the block level, to identify the form in which this information is recorded and to assess how easily the data can be accessed and how easily it can be analysed for trends.

The research began in August 2008 and was completed in July 2009. An online survey of over 240 owners of residential strata properties was undertaken. A small number of strata management companies also participated in the research and advice was received from a number of experts (including engineers and architects).

It is expected that this research will directly inform best practice, policy innovation and educational programmes for practitioners and policy makers in the sector. The findings of the research were presented in a final report and summary report to the Office of Fair Trading and published on the project website. The summary document was also circulated to interested stakeholders. In addition, Dr Easthope held a public seminar on the results of the research in June 2009, hosted by the Institute of Strata Title Management (NSW).

The final report and summary report are available on the project website: www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/managingmajorrepairs/

ONGOING ARC PROJECTS

Assessing the Effectiveness of Public Housing Estate regeneration in NSW (ARC LP0668205)

This project aims to develop and implement a framework for the evaluation of the Urban Renewal programs currently being developed by Housing NSW for its housing estates. The project is jointly funded by the Department and the Australian Research Council (ARC). The project commenced in 2006 and due for completion at the end of 2010 at the completion of the two APA(I) PhDs associated with the research.

While the framework is concerned to monitor the outcomes of renewal within estates, a particular focus of the evaluation methodology will be in understanding the impacts of urban renewal programs on the neighborhoods surrounding the renewal areas. An additional concern is to monitor the effect that public housing investment in an area might stimulate complementary private sector investment. This will entail addressing the issue of how the social cost/benefit outcomes of renewal programs can be effectively measures and addressed.

In 2009, extensive testing of the methodology was undertaken involving the completion of over 1000 questionnaires amongst both private and public housing residents in two suburbs of Sydney. The findings of this survey led to preparation of two community baseline reports for HNSW.

For more information regarding this project, please visit the project website:

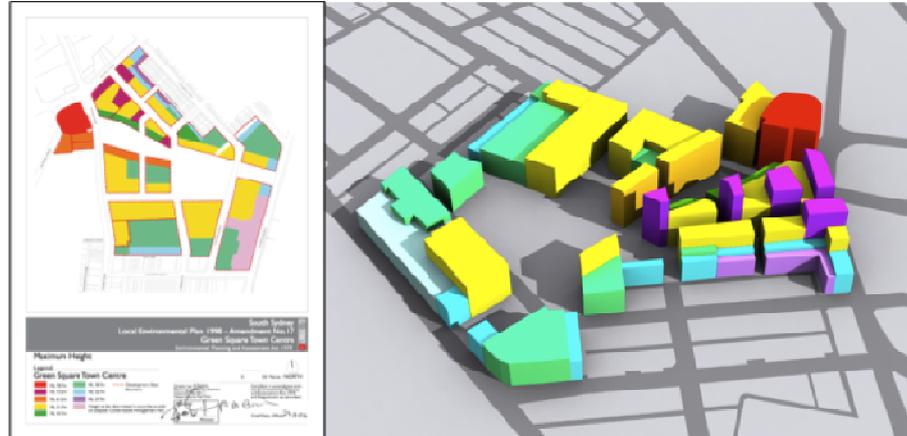
www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/urbanimprovement/

An Integrated Information Model to Support Metropolitan Planning (ARC LP0776642)

The UrbanIT project at UNSW has completed a 2-year research and development project funded by the Australian Research Council in partnership with City of Sydney, NSW Department of Planning and Landcom. The project has progressed existing and emerging technologies with the aim of helping better inform urban planning by focussing on the sensitive point where an individual building interfaces with its urban context, as applied to Sydney's Green Square. The research has provided the capacity to see a development in an urban context, rather than in isolation. This approach enables new initiatives to better visualise the city and its processes as transparently and accessibly as possible.

The framework extends three key areas to form the foundation of a spatial decision support system for integrated planning:

- **Building Information Modelling** – The UrbanIT framework has extended this technology that traditionally models single sites, to accommodate clusters of buildings in a geospatial context, and thus providing a powerful capacity for modelling the built environment.
- **Geographic Information Systems** – The UrbanIT framework demonstrates the capacity for these systems to provide access to a finer grain of urban knowledge by bringing together intelligence from distributed geospatial data sources, presenting them online and in three-dimensions.
- **Information Integration by Ontology** – Using semantic-web techniques, this approach helps unify otherwise disconnected information at knowledge level and deliver meaningful (semantic) intelligence and knowledge to decision makers and organizations as a whole.



Having established this functional foundation for urban management, an exciting range of potential applications are now possible, spanning from detailed building analysis and contextual compliance checking, through to urban-scale and multi-stakeholder decision support systems critical for managing the development of our city into the future.

For more information regarding this project, please visit the project website:

www.urbanit.fbe.unsw.edu.au/

The Drivers and Outcomes of Re-Investments in Low Density Suburban Housing Markets (ARC DP0986122)

This two-year research project, commenced in July 2009, explores the process of reinvestment in lower density housing which has become a significant factor in the incremental renewal of these areas with implications for their socio-economic stability as well as their adaptation to improved environmental standards. Using both quantitative and qualitative research methods and Sydney as an exemplar, the project studies the rate and scale of renewal and the drivers of this process from both the supply and demand side of the market.

The study is based primarily on analysis of Development Applications at local councils and census data, to assess the magnitude and the geography of knockdown-rebuild and major renovations activity in Sydney, and its correlation with various socio-economic and land value factors. In addition, a survey to over 7000 properties in which knockdown-rebuild has taken place in the last 5 years, and over 80 in-depth face-to-face interviews with residents, planners and builders in the knockdown-rebuild industry will provide a deeper understanding of the drivers of demand and supply for this activity, as well as its environmental and social impacts.

For more information regarding this project, please visit the project website:

www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/knockdownrebuild/

Governing the Compact City (ARC LP0989373)

Strata is the fastest growing form of residential property ownership in Australia. Over half the new dwellings to be built in our metropolitan areas over the next decades will be strata titled. The growth of this sector raises increasingly important questions over property ownership and governance.

A new two-year research project, supported by the NSW strata industry and the NSW State and Federal governments, will chart the key issues facing the governance and management of strata buildings. The research will be undertaken by the High Density City team at the City Futures Research Centre. The project is the first major study of the strata sector undertaken in Australia.

The research has three main aims: To explore the role, capacity and effectiveness of owners' corporations as agencies of property governance and management; to explore the capacity and effectiveness of strata managers; and to assess how well residential strata works from strata owners' points of view.

The project, which focuses on NSW, will deliver systematic information about the operation of the strata system. The findings will assist residents, owners and those involved in strata management and policy development to better understand the nature and scale of issues facing the strata sector and its capacity to self-manage these issues. It will provide an informed evidence base to support improved best practice and policy development across the sector. While it focuses on NSW, the results will inform policy and practice in the strata sector across Australia.

The research will be undertaken by the City Futures Research Centre in partnership with the Institute of Strata Title Management, the Owners Corporation Network, Lannock Strata Finance, Macquarie Bank, NSW Land and Property Management Authority, NSW Fair Trading. The contract for this project was signed in December 2009, with work on the project to commence in January 2010.

For more information regarding this project, please visit the project website:

www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/governingthecomactcity/

Implementing Metro Planning Strategies (ARC LP0990075)

The project is a three-year research programme working with the New South Wales Department of Planning (DOP) and state development agency Landcom. The overarching aim of the project is to develop a suite of practically applicable methods to enable the partner agencies to assess local housing demand profiles. Supply-side issues and mechanisms are well understood and monitored. Forecasting techniques, and assumptions based upon these techniques, are used to 'plan' our cities into the future. However, the actual translation of these strategies requires a more nuanced and pragmatic approach if the differential geographies of housing demand – and the different drivers and components of demand – are to be understood and worked with.

The aim is not to build an overtly technical and theoretically complex model, but to develop a suite of methods drawing upon both quantitative and qualitative approaches to provide an evidence-based understanding of demand as well as supply in the city context. To undertake this the project will engage with current academic debates concerning scale, function and intersection of housing markets and translate these into "real world" applicable resources.

The project also supports a APA(l) PhD scholarship. The PhD research will focus on the submarket function and connectivity between different markets. Of particular interest is the role of lower-value markets as gateways into the housing system and how their structure affects forward mobility in the market.

The contract for this project was signed in December 2009, with work on the project to commence in January 2010.

For more information regarding this project, please visit the project website:

www.fbe.unsw.edu.au/cf/research/cityfuturesprojects/metroplanning/

ONGOING AHURI PROJECTS

The Efficient Use of Dwellings and Land by Older Homeowners – AHURI Project 70392

The research funded jointly by AHURI and the Commonwealth Department of Health and Ageing examined how older home-owners utilise the space in their dwellings and land as well as the facilities available in their neighbourhood, and the barriers that exist in housing and neighbourhood design to ageing in place. It also undertook a cost-benefit analysis of three different approaches to more inclusive housing design for older people, VISIBLE, ADAPTABLE and UNIVERSAL DESIGN, compared to modifying conventional housing. Methods used included analysis of ABS Census and Australian Housing Survey Data, a national survey of 1604 older home owners, 70 in-depth interviews and the cost-benefit analysis.

The study found that the vast majority of older people in Australia lived in owner-occupied separate houses of three or more bedrooms that are often seen as underutilised due to the predominance of single and couple households. However if temporary residents (i.e. staying for 20 or more nights per year), visitors and alternative uses of bedrooms for functions important to positive and active ageing (e.g. office/study, guest bedroom, hobbies etc) were considered, a much different picture emerges: homes that are well utilised and regarded by residents as a suitable size for the number of permanent and temporary residents. When considering options for improving efficiency and liveability, older home owners overwhelmingly favoured remaining in their home with the support of professional care services. While some would consider moving to a suitable dwelling in a retirement village, over 55s development or residential aged care facility, sharing accommodation by living with children or a tenant or boarder were generally considered undesirable, unless in the form of separate self-contained

accommodation. When contemplating future decline in abilities, most older home owners considered it important that their dwellings would accommodate their needs, either by being easily and inexpensively modified (Adaptable Design), or being suitably designed so that modifications were unnecessary (Universal Design). Being able to visit the homes of friends and family was also important to the majority.

Older home owners participated in a wide range of activities outside the home, of which the most frequent were shopping banking and retail; sport and recreation and religious services. Close proximity to the home, particularly for shopping, banking and retail activities and access to medical services were considered a high priority. While most older home owners had access to public transport, they were very highly dependent on private vehicles for access to activities outside the home and reluctant to use public transport. Major barriers to use of public transport were poor accessibility, quality, frequency, reliability and safety. The quality of neighbourhood design and provision of public facilities was also found to be important to the participation of older home owners in activities outside the home but varied enormously between locations. Particular barriers to participation were poor provision, or quality of, pedestrian paths and public open spaces; lack of seating, shelter and public toilets; and fear of crime and anti-social behaviour.

The cost-benefit analysis of the three approaches to housing design found that VISIBLE Design was the least costly, but delivered the fewest benefits. VISIBLE Design (if limited to ground floor of a 2 storey dwelling only) and Universal Design while more costly, delivered a higher level of benefits – and each of these were much more viable alternatives to home modification which was by far the most poorly performing design option.

For more information regarding this project, please visit the project website:
www.fbe.unsw.edu.au/cf/research/ahuriprojects/theefficiencuseofdwellings/

Low-Income Home Ownership Support Programs: A Review of Past Schemes and Consideration of Future Potential– AHURI Project 70541

This research aims to provide an overview of Government low-income home ownership support programs in Australia. It considers the design, remit and objectives of recent programs across a number of states and territories and draws upon lessons learned from previous schemes from the 1980s which met with varying degrees of success. Outcomes of the research will contribute to our understanding of the viability and effectiveness of the range of mechanisms supporting lower-income groups' entry into, and ability to sustain homeownership.

For more information regarding this project, please visit the project website:
www.fbe.unsw.edu.au/cf/research/ahuriprojects/lowincomehome/

Partnership working in the design and delivery of housing policy and programs – AHURI Project 70588

This project aims to provide a review of key issues and themes related to partnership arrangements, focusing on opportunities and barriers faced in the development and delivery of policy objectives tied to those initiatives. Of particular interest is whether the housing and urban policy context raises specific needs, opportunities and challenges for partnership approaches, and if so, to consider how they may be addressed. The research involves a review of literature and policy initiatives and interviews with partnership advisors, specialists, policy officials and jurisdiction-specific initiatives, the community housing sector, and private sector 'partners' to explore issues of partnership establishment, coordination and operation. The findings will inform recent policy initiatives where partnership working will be integral to viability and success. Interviews commenced in late 2009 and the report is due for completion in mid-2010.

For more information regarding this project, please visit the project website:
www.fbe.unsw.edu.au/cf/research/ahuriprojects/partnerships

Service integration and indigenous housing– AHURI Project 70569

This AHURI-funded research is investigating how social housing services are provided to Indigenous clients in urban and regional settings. The primary aim is to better understand how to deliver these services in ways that will be consistent with cultural values and lead to better outcomes for Indigenous housing applicants and tenants. A key theme concerns the respective roles of mainstream and culturally specific housing services and how effectively these are integrated across the service system.

The project is being undertaken collaboratively by the UNSW/UWS AHURI Research Centre and the AHURI Queensland Research Centre, University of Queensland. Chief investigator for the project is Associate Professor Vivienne Milligan. Expert advice and support for the conduct of the research is being provided by Indigenous researchers at both institutions.

Stage 1 of the study has involved a review of housing policies and services and relevant academic literature, a workshop with Indigenous service providers and a review of urban Indigenous housing in Canada. A positioning paper for the study was completed at the end of stage 1. Stage 2 will be centred on in-depth case studies of the service delivery environment in three urbanised locations, one each in New South Wales, Queensland and Victoria. Overall, the study aims to critically examine current barriers to achieving good housing outcomes for Indigenous clients in the social housing delivery system and to offer policy makers and service providers the latest evidence about appropriate service delivery for Indigenous clients. The final report will be published in 2011.

Regulatory Frameworks and Their Utility for the Not for Profit Housing Sector– AHURI Project 40559

This project investigates the usefulness of regulatory frameworks for the 'not for profit' housing sector in Australia. It reviews the potential advantages and disadvantages of regulation in the light of the criticisms made of burdensome and ineffective regulation in the United Kingdom. It also examines new regulatory initiatives that have been introduced in a number of states, with the aim of reducing risk and improving quality. Through conducting empirical research across four Australian jurisdictions and several international reviews, it seeks to identify:

- The common problems and risks that arise in not for profit agencies providing housing;
- Which types of regulation work in these organisations;
- What are the problems that arise in introducing regulation;
- How the existing schemes can be extended;
- The potential benefits of establishing a national regulatory framework.

The project was awarded in May 2009 and is scheduled to be completed by July 2010. A positioning paper was prepared and submitted to AHURI in November 2009, as agreed. Fieldwork is underway and due to be completed by the end of February 2010. City Futures team members are responsible for completing an estimated 12 interviews with not for profit housing providers and other stakeholders in NSW.

For more information regarding this project, please visit the project website:
www.ahuri.edu.au/publications/projects/p405594

Secure Occupancy in Rental Housing: A Comparative Analysis– AHURI Project 50565

This AHURI-funded research addresses a key concern for Australian policy makers: how to enable households who rent, in particular, lower income and vulnerable households, to have secure occupancy to enable them to raise their families and participate in economic and social life. The key focus is how security of occupancy is provided, and what improvements could be made, especially for lower income and vulnerable households who may rent for long periods.

The project is being led by Associate Professor Kath Hulse at Swinburne University, working in collaboration with researchers, Vivienne Milligan and Hazel Easthope, at the UNSW/UWS AHURI Research Centre UNSW.

The study is using a comparative research method to identify and compare the diversity of approaches to this issue across a variety of countries. International experts in eight advanced countries have been engaged to provide country reports, using a standard template, on the legislative, policy and program frameworks for providing secure occupancy for households across their rental sectors. Two local studies, in NSW and Victoria, are underway. The study will be completed in 2010.

For more information regarding this project, please visit the project website: www.ahuri.edu.au/publications/projects/p50565

Institutional investments in affordable rental housing – AHURI Project 30439

This project aims to inform the development of policies, institutions and instruments that promote adequate and secure levels of low-cost finance towards well regulated affordable housing providers which will enable them to increase the supply of affordable housing. The main approach is to examine in detail financial approaches in Europe and North America with a view to informing the policy debate in Australia. Sponsored by the Government of Western Australia, and coordinated by AHURI, the project was awarded to a team of housing researchers at City Futures and RMIT University in October 2009.

This project has two stages:

- The identification and analysis of key institutional mechanisms for attracting institutional investment towards affordable rental housing in the Netherlands, France, UK, Switzerland, Austria and the US. Data was gathered. A report was submitted to the Government of Western Australia early in December 2009, and has now been agreed.
- Detailed illustrative case studies of two successful models: the Austrian Housing Banks and Housing Construction Convertible bonds, and the use of private finance and bonds issued by the Housing Finance Corporation in the UK. Two reports were submitted in late December 2009.

It is anticipated that the three reports will be published by AHURI in due course, and there is a possibility the Government of Western Australia will consider an additional stage to the project to consider practical issues for Australia.

ONGOING OTHER CITY FUTURES PROJECTS

National Climate Change Adaptation Research Facility

In 2008 the Australian Government committed funding of \$10 million over four years to establish eight national research networks investigating the effects of climate change on areas such as water resources and freshwater biodiversity; primary industries; terrestrial biodiversity; human health; emergency management;

settlements and infrastructure; marine biodiversity and resources; social, economic and institutional dimensions.

The Australian Climate Change Adaptation Research Network for Settlements and Infrastructure is based in the School of Civil and Environmental Engineering, part of the National Climate Change Adaptation Research Facility hosted by Griffith University. The aim is to lead the research community in a national interdisciplinary effort to generate the information needed by decision-makers in government and in vulnerable sectors and communities to manage the risks of climate change impacts and choose appropriate adaptation strategies.

Prof Bill Randolph co-led the bid that brought the Network for Settlements and Infrastructure to UNSW in 2008. The Centre hosts the Built Environment Node of the Network and during 2009 Dr Peter Graham took over the leadership of this Node from Prof Randolph. The Built Environment Node focuses on the impacts of climate change on building and facility design and construction to explore the social, economic and institutional implications of climate change impacts, and the resulting implications for planning, design and management of Australian settlements and infrastructure.

The aim is to make research into climate change adaptation in both the physical and human aspects of Australia's settlements and infrastructure a truly multi-disciplinary enterprise. In this way, the Network will build our understanding and national adaptive capacity and reduce our vulnerability to climate change in key sections and regions of the country.

The NCCARF initiative funds a half time appointment to support the activities of the Node. The Centre successfully bid for matching funding from the FBE and the full time position was filled by Dr Peter Rickwood as a Research Associate in mid-2009.

More information is at: <http://www.nccarf.edu.au/?q=node/1>

NSW Housing Area Renewal Strategy Development - Housing NSW

This report explores potential policy options that address issues surrounding the renewal of areas with varying concentrations of public housing. A key objective is to develop an area-based policy framework that will, over time, deliver socially integrated communities. This included consideration of four key integrated areas: Asset based strategies; Housing management based strategies; Social welfare/community development strategies; Governance and delivery arrangements. The research involved:

- A review of the evolution of and current extent of area renewal interventions and policies in NSW to set the context of proposed policy options, including both housing and non-housing interventions.
- A review of current policy initiatives and approaches to area renewal in selected jurisdictions in Australia and overseas to assess best practice approaches and governance delivery frameworks.
- Developing an agreed set of area renewal policy objectives and outcomes for Housing NSW.
- Exploring potential policy options to provide to address area renewal objectives across a range of locations. This includes consideration of housing policy, planning policy, governance and delivery vehicles other matters, as appropriate.

The report was completed in November 2009.

Mapping of Low Income Older Private Renters in NSW - United Care Ageing

This report was commissioned as a first step into understanding the size and complexity of the Private Rental market for older (over 64 years old) Australians. It has demonstrated that a large component part of this group (over 59%) were, at the time of the 2006 Census, paying in excess of 30% of their income on rent. It has also demonstrated that there are distinct profiles of older renters across the State, from key concentrations in metropolitan Sydney, along the Central North Coast and in major regional centres.

Tracing the Federal Government Urban Agenda: exploring the early years of the Department of Urban and Regional Development (1970 – 1975)

FBE 2009 ECR Grant

This research project centres on the analysis of Parliamentary papers and Ministerial correspondence from the period 1970 to 1975. The 'DURD papers' have recently come out of confidential embargo and this research represents the first project to analysis this expansive urban policy/historical resource.

This project is significant given the increasingly high profile placed urban issues by the newly elected Rudd Labor government. The new Federal government sees urban issues, such as housing affordability, land availability, public infrastructure and services, as well as environmental considerations, as key to the continued prosperity of Australia (Carr, 2005). The finding of this research can be feed into the current national and state urban policy arena.

This project is innovative in that it is the first project to mobilize the 'DURD papers' for the purpose of research. In addition to cataloguing, coding and analysing these papers the project will provide an international comparison between Australian governments of the 1960 and early 1970s with other Western nations. To date this analysis remains incomplete. The project will provide an annotated bibliography of international academic literature and urban policy of this period. Further, this research is innovative in that it will analyse the 'DURD papers' and associated resources by: organization (exploring the interaction of different government agencies); theme (exploring the key issues, such as land supply, housing affordability and public finance); and, personnel (exploring the role, objectives and impacts of key players tied to the DURD initiative – political and bureaucratic). Although a number of excellent analyses of this period exist (Troy, 1978; Lloyd and Troy, 1981), this project will expand on these by identifying the role of individuals in the making of Australian Federal urban policy.

Developing integrated 3D modelling of strata schemes in NSW

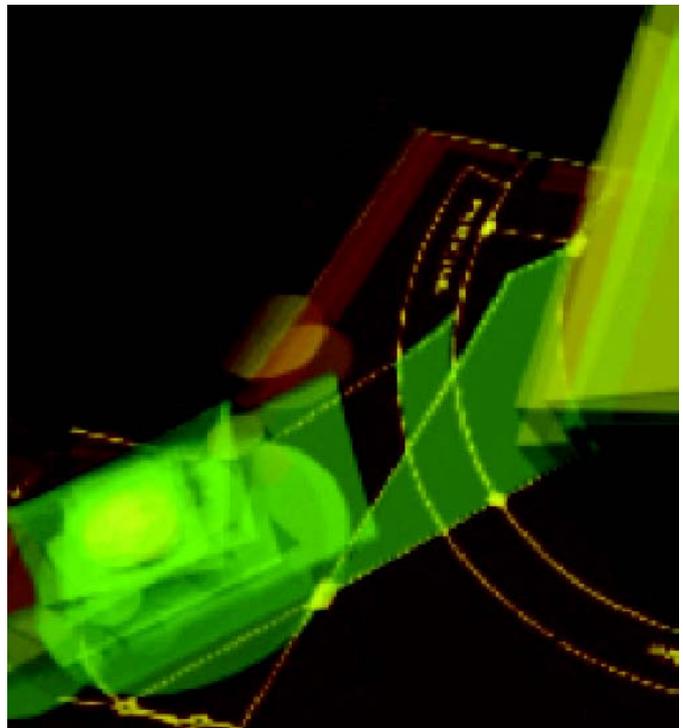
FBE 2009 ECR Grant

Dr Hazel Easthope and Dr John Barton are using these ECR funds to support the development of an ARC Linkage application aiming to develop a framework for 3D modelling of strata properties. Currently strata plans are only available in 2D as scanned PDF documents. The goal is to develop a software framework that would enable people to access and deposit strata plans in a 3D form.

Ultimately, the project will aim to work with the Land and Property Management Authority to ensure that all new strata plans are registered electronically, rather than as hard copy documents which are then scanned (which is current practice) and to provide software that would allow these plans to be presented in 3D form.

This funding proposal will be submitted in 2010. In the meantime, links have been strengthened and new links developed with potential project partners. A presentation was given to a group of industry professionals in 2009 outlining the proposed research, which was warmly received by attendees

6



DISSEMINATION: PUBLICATIONS AND PRESENTATIONS

6

DISSEMINATION: PUBLICATIONS AND PRESENTATIONS

REFEREED PUBLICATIONS

Book Chapters

V. Milligan & Randolph, B	'Australia' in Vincent Gruis, Sasha Tsenkova & Nico Niebor (eds.) Management of Privatised Housing, International Policies & Practice, Wiley-Blackwell, 2009
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Refereed Journal Articles

Abbott, M. and Stubbs, J.	Access or Adaptation? A meta-analysis of surveys of problem gambling prevalence in Australia and New Zealand with respect to concentration of electronic gaming machines ', International Gambling Studies, Volume 9, Issue 3, pages 225 - 244, December 2009
Atkinson, R. and Easthope, H.	The Consequences of the Creative Class: The pursuit of creativity strategies in Australia's cities ', International Journal of Urban and Regional Research, pp 64-79, Vol 33, No 1, 2009
Bunker, R.	Situating Australian Metropolitan Planning ', International Planning Studies, 14:3 233-252
Bunker, R. and Searle, G.	Theory and Practice in Metropolitan Strategy: Situating recent Australian Planning ', Urban Policy and Research, Vol 27, No 2, pp101-116, June 2009
Easthope, H.	Fixed Identities in a Mobile World? The relationship between mobility, place and identity ', Identities: Global studies in power and culture, pp 61-82, Vol 16, No 1, 2009
Easthope, H.	Unique Isolation Versus Networks of Opportunity: The competing discourses of Tasmania ', Geografiska Annaler: Series B, Human Geography, Vol 91, Issue 4, 371-385
Easthope, H. and Randolph, B.	Governing the Compact City: The challenges of apartment living in Sydney, Australia ', Housing Studies, pp 243-259, Vol 24 No 2, 2009
Lawson, J., Berry, M., Milligan, V. and Yates, J.	Facilitating Investment in Affordable Housing – Towards an Australian model ', Housing Finance International, Vol 1:1, 18-26 , Lawson, J., Berry, M., Milligan, V. and Yates, J.
Lee, P., Burfitt, A. and Tice, A.	The Creative Economy and Social Sustainability: Planning for opportunity and growth ', Built Environment 35(2): 267-280 (2009).
Pinnegar, S.	The Question of Scale in Housing-Led Regeneration Tied to the neighbourhood? ', Environment and Planning A, Vol 41, No 12, pp2911-2928 December 2009
Ruming, K.	The Complexity of Comprehensive Planning Partnerships: The case of Warnervale town centre ', Urban Policy and Research, Vol 27, No 1, pp25-42. March 2009
Vizel, I. and Fincher, R.	The Choice Agenda in Disability Housing Provision ', Housing Studies, pp 611-627, Vol 24 No 5, 2009

Wiesel, I. **Community and the geography of people with intellectual disability**, Social and Cultural Geography, Vol 10, Issue 5, pp 599-613,

Refereed AHURI Reports

Gurran, N., Ruming, K. and Randolph, B. **Counting the Costs: Planning requirements, infrastructure contributions and residential development in Australia**, AHURI Final Report No 140, December 2009

Milligan, V., Gurran, N., Lawson, J., Phibbs, P. and Phillips, R. **Innovation in Affordable Housing in Australia: Brining policy and practice for not-for-profit housing organisations together'**, AHURI Final Report No 134, June 2009

Phillips, R., Milligan, V. and Jones, A. **Integration and Social Housing in Australia: Theory and practice'**, AHURI Final Report No 129, February 2009

Pinnegar, S., Easthope, H., Randolph, B. and Williams, P. **Innovative Financing for Homeownership: The potential for shared equity initiatives in Australia'**, AHURI Final Report No 137, August 2009

Quinn, J., Judd, B., Olsberg, D. and Demirbilek, O. **Dwelling, Land and Neighbourhood Use by Older Home Owners'**, AHURI Positioning Paper No 111, January 2009

Seelig, T., Thompson, A., Burke, T., Pinnegar, S., McNelis, S. and Morris, A. **Understanding what Motivates Households to Become and Remain Investors in the Private Rental Market'**, AHURI Final Report No 130, March 2009

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Bunker, R. **Paradigm Lost or Paradigm Regained? – Current Australian metropolitan strategies**, Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.

Bunker, R., Tice, A. and Pinnegar, S. **Market or Market Place?'**, Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.,

Easthope, H. **The Forth Tier of Governance: Managing the future of our cities'**, Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.

Easthope, H., Tice, A. and Randolph, B. **The Desirable Apartment Life?**, 4th Australasian Housing Researchers' Conference, 5-7 August 2009.

Gurran, N., Ruming, K. and Randolph, B. **Does Planning make Housing Unaffordable? Assessing costs of planning requirements for residential development in three Australian cities'**, Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.

Judd, B., Quinn, J., Olsberg, D. and Demirbilek, O. **Does Size Matter? Under-occupancy and older Australian home owners'**, Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.

Milligan, V. and Phibbs, P.	Building a Not-for-Profit Affordable Housing Industry in Australia , 4th Australasian Housing Researchers' Conference, 5-7 August 2009.
Quinn, J. and Judd, B.	Designing the Home to Stay: A comparison of visitable, adaptable and universal housing design approaches for older home owners , 4th Australasian Housing Researchers' Conference, 5-7 August 2009.
Randolph. B.	Australian Sustainable Cities and Regions Network: An outline , State of Cities Conference, Melbourne, 28 May 2009 (invited speaker).
Randolph. B., Barton, J. Bunker, R., Judd, B., Pinnegar, S., Ruming, K. and Tice, A.	More than Numbers: Socially sustainable urban renewal in Sydney's west , State of Australian Cities Conference, Perth, 24 November 2009.
Randolph. B., Bunker, R. and Tice. A.	Unpacking the Demand for Higher Density Housing: An analysis of Sydney and Melbourne , 4th Australasian Housing Researchers' Conference, 5-7 August 2009.
Randolph. B., Gurrin, N. and Ruming, K.	Does Planning make Housing Unaffordable? Assessing costs of planning requirements for residential development in three Australian cities , State of Australian Cities Conference, Perth, 24 November 2009.
Rickwood, P. and Knight, D.	The Health Impacts of Local Traffic Pollution on Primary School Age Children , Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.
Ruming, K., James, P., Tice, A. and Freestone, R.	Establishing a Federal Presence in Australian Cities: Reflections on the role of the department of urban and regional development in urban regeneration in the 1970s , Proceedings of the 4th State of Australian Cities Conference, Perth, November, 2009.

OTHER CONFERENCE PRESENTATIONS

Milligan, V.	Australia's not for Profit Housing Developers – An emerging industry? , AIUS 2009 Seminar Series: A New Vision for Affordable Housing, June 11 2009, Sydney
Milligan, V. and Pinnegar, S.	Recent Developments in Housing Policy in Australia in Comparative Perspective , ISA International Housing Conference: Housing Assets Housing People, Glasgow, 2 September 2009
Pinnegar, S.	Affordable and Sustainable Homeownership: The role of shared equity arrangements in Australia , 6 th National Housing Conference, Sydney, 26 November 2009
Pinnegar, S.	Retreat or Reaffirmation: Policies encouraging homeownership after the crunch , ISA International 5 th Housing Conference: Housing Assets Housing People, Glasgow, 3 September 2009

Randolph, B.	Bridging the Policy, Practice and Research Gap: Building a research engagement strategy , Strata and Community Title Conference, Surfers Paradise, 30 August (Invited speaker).
Randolph, B.	Demand Beyond the First Home Owners Bonus – Or what happens when the FHOG clears? , UDIA State Conference, Sydney 30 October (invited speaker).
Randolph, B. and Tice, A	Unpacking the Demand for Higher Density Housing , Presentation to the European Network for Housing Research Conference,, Prague, 28 June – 1 July 2009

COMMUNITY AND PRACTICE PRESENTATIONS

Easthope, H.	Managing Major Repairs , Institute of Strata Title Management Consumer Awareness Seminar Series, June 2009 (Guest Speaker)
Judd, B.	Landcom/Housing NSW Airds-Bradbury Renewal Project Ideas Workshop – presentation of March student Design Project Ideas for Airds-Bradbury
Judd, B.	PIA Post-Tsunami Reconstruction Project, Urban Design Training Program, Colombo Sri Lanka – Two 4 day short courses: 19-22 and 26-29 th October, 2009.
Judd, B.	Urban Design and City Improvement , Urban Development Authority, Sri Lanka, 30/10/2009
Judd, B.	Year 9 Geography Classes on Urban Design, Airds High School – 3/12/09, 8/12/09, 11/12/09
Judd, B., Olsberg, D. and Quinn, J.	Housing, Land and Neighbourhood Use by Older Home Owners , AHURI Seminar 23/06/09 (in association with DoHA)
Judd, B., Olsberg, D., Quinn, J and Demirbilek, O.	Housing, Land and Neighbourhood Use by Older Home Owners , AHURI Research Seminar, Sydney, 21/05/09
Pinnegar, S.	Affordable Housing: Understanding context, shaping opportunities , Invited Speaker, City of Sydney and Planning Institute of Australia seminar 'Issues and Opportunities for Local Government', 12 June 2009
Pinnegar, S.	Lower Income Working Households: How can they access and sustain homeownership? , Invited Speaker, Shelter NSW seminar 'The Crisis and Beyond', 2 July 2009
Pinnegar, S.	Sustaining Homeownership: The role of innovative financing and government-backed affordable lending arrangements , AHURI FaHCSIA briefing, Canberra 20 March 2009

Randolph, B.	Higher Density Housing in Randwick: Issues and outcomes? , Presentation to the Kensington Precinct, Randwick Council, Randwick, 20 March (Invited speaker).
Randolph, B.	Perspectives on the Rental Market , Presentation to an AHURI Seminar on Low Cost Rental Housing, Federal Department of Family, Housing, Community Services and Indigenous Affairs, Canberra, 20 March, 2009 (Invited speaker).
Randolph, B.	Perspectives on the Private Rental Market , NSW Legislative Council Enquiry into Homeless and Low Cost Rental Housing in NSW, 8 April 2009 (invited speaker).
Randolph, B.	Reflections on Sydney's Metropolitan Planning , 2009 CLAIR Sydney Local Government Seminar on Metropolitan Governance – Ideas from Japan , 6 March, Sydney (Invited speaker).
Randolph, B.	Unpacking Housing Unaffordability: Why, who, where and where to. NSW UDIA Industry Briefing: Housing Affordability Seminar, 19 February 2009, Sydney (Invited speaker).
Randolph, B., Gurran, N. and Ruming, K.	Counting the Costs: Planning requirements, infrastructure contributions, and residential development in Australia , AHURI Seminar, Adelaide, 19 August 2009.
Randolph, B. and Pinnegar, S.	Socially Sustainable Urban Renewal: Delivering more than numbers in Penrith , Presentation to Penrith Council Meeting, Penrith, 2 February 2009.
Randolph, B., Pinnegar, S. and Tice, A.	Research on Strata Demand and Higher Density Renewal , UDIA Urban Renewal Committee, Sydney, 20 May 2009



7

CONFERENCES AND SEMINARS

7 CONFERENCES AND SEMINARS

1. 2009 Housing Researchers Conference, 5-7 August 2009

Jointly hosted by City Futures Research Centre and Swinburne University's Institute for Social Research, Sustainable Cities, the conference combined for the first time the Asia Pacific Network of Housing Research [APNHR] Conference and the Australasian Housing Researchers Conference [AHRC]. With housing at the centre of the world's financial and economic crisis, the conference was opportunity for practicing housing researchers from countries in the Asia-Pacific region to compare and develop perspectives, and theoretical and empirical findings based on research into different dimensions of housing including economics, society and environment.

The Conference was opened by **The Honourable Tanya Plibersek** – Federal Minister for Housing; Minister for the Status of Women, with **Mr Rod Fehring**, Chair of AHURI and Executive Director, Delphin Lend Lease, chairing the opening session.

The Honourable David Borger – NSW Minister for Housing, and Minister for Western Sydney, and **Mr Mike Allen**, Director General of Housing NSW also addressed the Conference.

Key note speakers included:

- **Katherine Gibson** - Professor of Human Geography at the Centre for Citizenship and Public Policy, the University of Western Sydney.
- **Andrew Jones** - Director of the Queensland Research Centre of the Australian Housing and Urban Research Institute (AHURI), and Professor of Social Policy, Institute of Social Science Research, The University of Queensland, Australia.
- **Michael Stone** – Professor, Community Planning, the College of Public and Community Service, University of Massachusetts, Boston.
- **Dr. Kyung-Hwan Kim**– Visiting Professor, School of Economics, Singapore Management University; and Professor of Economics, Sogang University.

Joining Professor Bill Randolph, Director City Futures Research Centre, as Conference Co-Chair were **Associate Professor Rebecca L.H. Chiu, JP. Rebecca** is a member of the Department of Urban Planning and Design at the Centre of Urban Planning and Environmental Management, Hong Kong University.

The Conference conducted six concurrent workshops:

- Housing, Culture and Society
- Housing Markets and Finance
- Housing Policy Innovations
- Housing in a Sustainable World
- Housing and Urban Form
- Housing Theory and Research

A comparative research workshop was conducted to facilitate reflection on the broad conference sub-themes to explore the potential for research projects across the Asia-Pacific region.

The conference did also, thanks to sponsors, conduct five field trips.

2. **Climate Change and the City**

7 July, 2009, UNSW

Climate change has emerged as the major overarching challenge to the development of sustainable Australian urban areas.

We were lucky to have two international commentators on this issue visiting the FBE *en route* for a national workshop on '*Climate Change and the City*' in Melbourne:

'Spatial Planning and Climate Change: The UK Perspective'

Dr Ian Smith is Director of and a senior research fellow within the Cities Research Centre at the University of the West of England, Bristol. His recent research has focussed on understanding how spatial planners learn to build sustainable communities (ESRC-funded) and is a Co-Investigator in the UWE-based team that has recently won 3 years of EPSRC funding to explore suburban adaptation strategies in the face of climate change where he is interested in particular in the capacity for institutional adaptation.

'Preparing for 2050: Mitigation & Adaptation Thinking from the UK'

Chris Twinn is a sustainability consultant and Director of Ove Arup & Partners leading the London Building Engineering Sustainability Group. His background is building services and architectural engineering widening in to planning and policy. Chris is a member of CABI Design Review Panel, a member of BRE Global Sustainability Board, the RIBA Sustainable Futures committee and the UKGBC Zero Carbon Task Group, and on the BSJ Editorial Panel. He has won numerous awards for his design work.

3. **Life after the Deluge; Thinking about housing policy and housing research post the GFC**

9 September, 2009, UNSW

Speaker – **Dr Peter Williams**

The seminar offered reflections on where housing markets and housing policy may go post the GFC and the implications this will have for housing and urban research. It drew upon developing trends in Australia and the UK. As the title suggests this was very much based on 'thinking out loud' and thus there will be ample opportunities to contribute your own thoughts!

Peter Williams was in September 2009 a Senior Visiting Fellow at City Futures Research Centre. He is an independent expert on housing markets, housing finance and housing policy in the UK. In a consultancy capacity he acts as Executive Director of the Intermediary Mortgage Lenders Association. He is currently a Board member of the National Housing and Planning Advice Unit, the Kent Reliance Building Society, the Property Codes Compliance Board and Consult CIH. He is an Honorary Professor at the Centre for Housing Policy at the University of York. He was previously Deputy Director General of the Council of Mortgage Lenders and Professor of Housing at Cardiff University.

4. Housing Seminar

10 December, 2009, UNSW

Evidence based policy in housing

Speaker – **Professor Hal Pawson** (Herriot Watt University)

Professor Hal Pawson talked about Evidence Based Policy (EBP) in housing – its origins, attractions and flaws. Drawing upon a number of examples from the UK – support for vulnerable families, choice-based lettings and addressing anti-social behaviour – Hal explained the connection between EBP and the ‘piloting’ of new policy ideas, and discussed the implications of this approach to policymaking for researchers involved in evaluation studies.

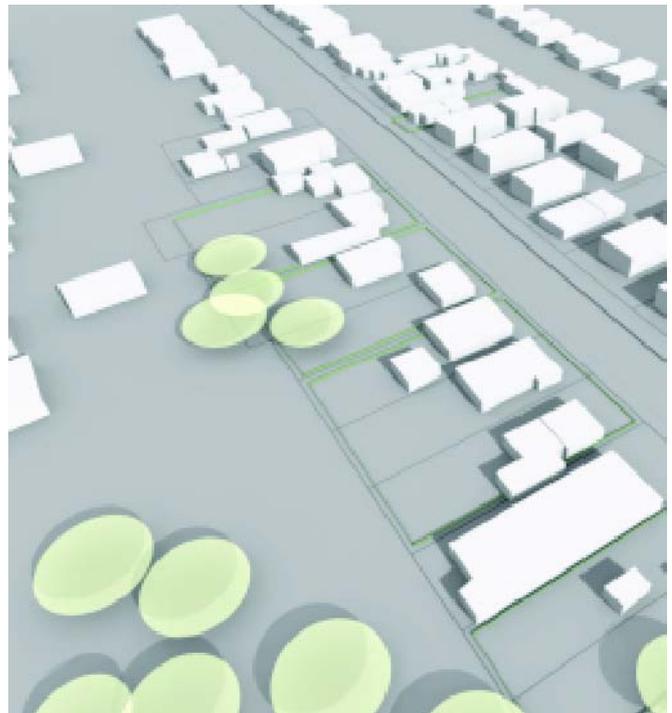
Hal’s special interests are in housing and urban policy, especially homelessness, social housing management and area regeneration. As well as leading numerous national research studies for central government departments and other bodies Hal has published widely in academic journals. He is also a member of expert panels for both the Westminster government and AHURI.

There's no such thing as affordable housing: Opportunities for new approaches to housing ownership, tenure and finance in the 21st Century

Speaker – **Professor Michael Stone** (University of Massachusetts)

Professor Michael Stone spoke about housing affordability – an all-too-familiar subject about which a vast amount has been said and written. He argued that the nature, extent and persistence of affordability problems are such that tinkering with the existing mechanisms of housing provision is inadequate to resolving these problems. More money and reformed regulation are certainly necessary, but on their own not sufficient.

Michael’s research and professional work includes housing affordability, as defined and measured through his concept of “shelter poverty”; the political economy of housing in the U.S., with particular attention to the structure and dynamics of the housing finance system; housing policy, on the various contours of housing policy with increasing focus on models of social ownership; and collaborative action research with community organisations.



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TEACHING AND SUPERVISION

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TEACHING AND SUPERVISION

While City Futures is first and foremost a research centre, many members of the team contribute to teaching and research activities in the Faculty. As research becomes increasingly integrated with teaching across the disciplines in the Faculty, our skills, resources and of course the wealth of research material as well as ongoing research opportunity will provide an excellent platform.

Alongside an extensive contribution of PhD and Master's supervision, City Futures is responsible for the Master of Planning Major Project Course. This 12 UOC course provides students with an introduction to the research process, enabling them to design a research project, conduct some empirical research and prepare a report. The course is run each semester and students typically carry out their projects in their final semester on the MPLAN course. Members of the team also contribute to supervision of students undertaking their BPLAN theses in Semester 2.

SUPERVISION OF PhD STUDENTS

Name of Student	Topic	Supervisor
Aida Morden Re-submitted 2009	Social Dynamics of the Landlord-Tenant Relationship: Litigations in Public Housing	Prof Bill Randolph and A/Prof Bruce Judd*
Bartholomew Maiorana (APAI)	Can an ontology of Christopher Alexander's theory of harmony-seeking computations be developed to assess the impact upon wholeness-extending digital architecture in an urban context?	Jim Plume and Dr Jack Barton*
Bernadette Pinnell (APAI)	Establishing an evaluation framework to measure the Impact of public housing estate renewal in NSW on the areas surrounding the estate; using GIS as a tool for communicating the impact of the regeneration	Prof Bill Randolph and Dr Simon Pinnegar*
Cathy Sherry	Significance of Strata and Community Title	Prof Brendan Edgeworth and Prof Bill Randolph*
Gary Shields	Planning for Ageing	Dr Susan Thompson and Prof Bill Randolph*
Jing Xie	Mixed-Use Communities: Ancient Rome	Prof Xing Ruan and Dr Simon Pinnegar*
Joanne Quinn	Design of the Home Environment for the Ageing Population	Dr Oya Demirbilek and A/Prof Bruce Judd*

Lydia Kirkoff	Urban Socio-cultural Development in the context of the Creative Industries in Auckland	Prof Bill Randolph and Prof Rob Freestone
Lucy Groenhart (APAI)	Social Cost Benefit Analysis of Public Housing Estate Regeneration in NSW	Prof Bill Randolph and Dr Simon Pinnegar*
Shane Geha	Development of an Empirical Model for the Quantification of the Rezoning Effect	Peter Williams and Prof Bill Randolph*
Shanlin Huang	Urbanisation in China: Rural-to-Urban Migration and Land Utilisation in Urban and Rural Areas	Prof Bill Randolph
Ting Xu	Housing differentials in sub-districts of Shenzhen, China: a geo-spatial analysis from profiles of house price, house types and households	Prof Peter Murphy and Prof Bill Randolph*
Wenji Cai	Housing Affordability in Wuhan: A Comparative Study	Prof Bill Randolph and Dr Vivienne Milligan *

*Co-Supervisor

SUPERVISION OF MASTERS STUDENTS

Darren Holloway Submitted 2009	Urban Consolidation and Public Transport Use: A Case Study of Sydney	Prof Robert Freestone and Prof Bill Randolph*
Kate Wedgwood	Sydney Caravan Parks: Community and Closure	Dr Nancy Marshall and Dr Simon Pinnegar*
Sarah Hudson	Dire Stratas	Prof Bill Randolph and Peter Williams*

* Co-Supervisor

SUPERVISION OF BARCH HONOUR STUDENTS

Minu Lee	Senses in Architecture, Senses in Cities: An Analysis of Sensory Design in Town Hall Square, Sydney	Dr Jack Barton and Dr Catherine DeLorenzo*
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TEACHING

Dr Simon Pinnegar

Session 1:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects (Course coordinator)

BPLAN4031 Research Design (Guest course lecture)

Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects (Course coordinator)

BPLAN4132 5th year thesis supervision and marking

Dr Hazel Easthope

Session 1:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects (Course lecturer)

Guest lecturer, UNSW BENV2986 Property and Asset Management (May 2009)
Strata Management in New South Wales

Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects (Course lecturer)

GEOG 1601 Australian and Global Geographies: Integration and Divergence (Guest course lectures)

BPLAN4132 5th year thesis supervision and marking

BPLAN3015 Social Planning (August 2009) *The Desirable Apartment Life?* (Guest lecturer)

A/Prof Bruce Judd

Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects

Dr Jack Barton

Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects



Dr Ilan Vizell

Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects

Dr Edgar Liu

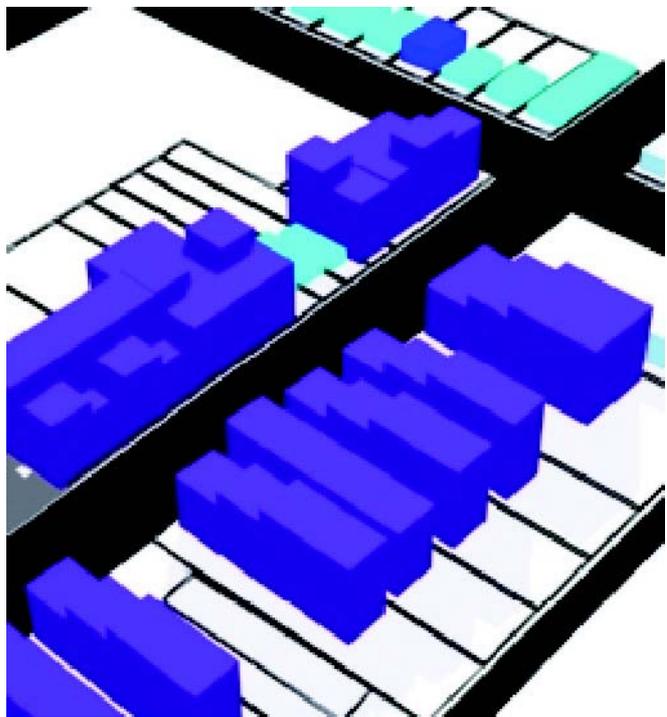
Session 2:

MPLAN 7122 Planning project, Project design, methods and supervision of student research projects

Andrew Tice

Session 2:

BPlan4132 5th year thesis supervision and marking



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STATEMENT OF FINANCIAL PERFORMANCE

9 STATEMENT OF FINANCIAL PERFORMANCE

OVERVIEW

The financial results for 2009 reflect a strong growth trajectory, building on the position achieved by the Centre during its previous years of operation. A surplus of \$363,227 was brought forward at the beginning of the year.

Over the year, new external research funding totalling \$1,282,349 was received. Internal funding from the Office of the DVC (Research) consisted of \$315,000 to pay for Vivienne Milligan and parts Simon Pinnegar's salary costs as well as UNSW's 50% share of the 2009 Annual AHURI fee as lead participant. Unspent funds of \$36,006.52 was returned to the DVC's office at the end of the year. Internal funds also consists of \$9,500 from faculty of Engineering's Contribution to the National Climate Change Adaptation Research Facility.

Expenditures for the year totalled \$1,460,722 of which \$908,163 were spent on salary cost for Centre Staff. This is not including Prof Bill Randolph's salary, which is underpinned by the Faculty. Materials (\$481,827) included the annual AHURI membership fee of \$ \$120,335.42 exclusive of GST, 50% of which was reimbursed from University of Western Sydney.

The net operating result showed a surplus of \$119,668 for the year, which, when added to the surplus brought forward from 2008, led to a final carry forward of \$482,895 to 2010.

STATEMENT OF IN-KIND CONTRIBUTIONS

Since November 2005 City Futures has been located in newly refurbished accommodation on Level One of the Red Centre (west wing). The Centre does also receive in-kind contributions from the Faculty in the form of support from IT and Finance staff.

The Centre is in return charged a 15% levy from both the Faculty and Central UNSW on income generated from research projects with value exceeding \$20,000. These levies do not apply to projects awarded by ARC or AHURI.

STATEMENT OF FINANCIAL PERFORMANCE 2009

for the Year Ended 31 December 2009

	2009 \$	2008 \$	Notes
Income			
External Funds *	1,282,348.79	1,197,009.60	
UNSW Contribution	298,040.67	197,392.07	i)
Total Income	<u>1,580,389.46</u>	<u>1,394,401.67</u>	
Expenses			
Payroll	908,162.52	727,474.46	
Equipment	15,333.93	20,711.07	
Materials	481,826.47	457,880.08	ii)
Travel	55,398.64	73,030.78	
Total Expenses	<u>1,460,721.56</u>	<u>1,279,096.39</u>	
Operating result	119,667.91	115,305.28	
Surplus(Deficit) Bfwd from Prior Year	363,227.09	247,921.81	
Accumulated Funds Surplus(Deficit)	<u><u>482,895.00</u></u>	<u><u>363,227.09</u></u>	
* Excludes debtors (unpaid invoices)	107,136.63	231,785.70	

Notes to the Statement of Financial Performance

- i) General Funds (GF) cannot be carried forward to 2010 if unspent. CFRC returned unspent general funds of total \$36,006.52 (excluded the funds from Income Internal funds). Internal UNSW Contribution consisted of: \$180,000 SIR Funding for City Futures PSR13427, \$135,000 Strategic Hire V. Milligan PS15965, \$9,500 NCARF-Engineering's Contribution
- ii) 2009 Annual AHURI fee as lead participant \$120,335.42 (50% has been reimbursed from UWS)