2012 Annual Report
# Table of Contents

1. Director’s Report..............................................................................................................2

2. Objectives of the Institute.................................................................................................4

3. Governance....................................................................................................................5
   3.1 Steering Committee members...................................................................................5
   3.2 Steering Committee meeting....................................................................................5
   3.3 Leaders’ Forum members........................................................................................5

4. Research Activity.............................................................................................................7
   4.1 Major projects...........................................................................................................7
   4.2 Conferences and Workshops....................................................................................13
   4.3 International visitors................................................................................................14
   4.4 Publications..............................................................................................................15
   4.5 In the Media............................................................................................................22

5. Research Training...........................................................................................................24

6. Financial Statement........................................................................................................27

7. In-kind Contributions.....................................................................................................29
1. Director’s Report

Through 2012, there has been a great deal of activity, linked to an ageing demographic, in centres which fall under the AIPAR umbrella. AIPAR continued to provide a broad governance framework for these activities, although the impetus and execution came from the centres and their personnel. At Neuroscience Research Australia research continued on dementia and longevity in aboriginal communities; SPRC completed a survey of living standards of older people which allowed international comparison; and City Futures researched downsizing among older Australians and housing models for older people and those with disabilities. CEPAR continued to make considerable progress in research progress funded by two ARC Linkage grants, one focused on pension reform in China, and the other on managing longevity risk.

Importantly, 2012 saw AIPAR’s role as the host of the UNSW hub of CEPAR crystallise. To meet AIPAR’s 2012 objective of developing cross-institutional research collaboration with government and industry to manage and resource the consequences of population ageing, CEPAR’s UNSW hub took a number of initiatives: workshops, roundtables with external stakeholders, conferences, and briefs.

Specialist workshops on continuous time modelling were held in the first half of 2012. The Superannuation Colloquium, an annual event bringing together industry, government and academe, was co-hosted by CEPAR for the first time in 2012, and this will become a CEPAR-hosted event, with the School of Risk and Actuarial Studies, for the next period. Roundtables on mature labour force participation with FaHCSIA, and on Health policy, were undertaken. An especially successful initiative was the Aged Care Policy Dialogue, held jointly with the ANU’s Crawford School of Public Policy. AIPAR students and personnel participated fully in these.

To further develop outreach and knowledge based activity, a Briefing Paper Series was established. The first of these, on mature labour force participation, appeared in 2012. In 2013 several more are planned, including a series on “Asia in the Ageing Century”, along with briefs on aged care, cognitive decline, and retirement income design.

In 2013, it is anticipated that engagement, mentoring and profile raising will continue with a China based conference bringing together early career researchers throughout China to an event in Zhejiang University, which, through the ARC Linkage grant, AIPAR has connections. As well, a major UNSW located conference in population ageing will be organised, with the aim of attracting 150 delegates from around the world. This will be one of the first multi-disciplinary conferences on population ageing held anywhere. Again, AIPAR personnel will be invited to become involved, and it is anticipated that participation will be enthusiastic.

Looking forward, it is anticipated that AIPAR will help host new Linkage initiatives in 2013. As well, in the second half of 2013, it is anticipated that the outcome of the call for tenders for the Andrew Fisher Applied Policy Institute for Ageing will be announced. UNSW, in a consortium with ANU, submitted a tender proposal, and if this bid were to succeed, AIPAR would again have a governance role, in overseeing the relationship between the Andrew Fisher Institute and CEPAR.

As well, the FBE initiative to apply for a Centre of Excellence in the round just closed was supported with advice and consultation.

In 2013, AIPAR will focus its attention on building relevant research expertise at UNSW and providing opportunities for interaction across this constituency; encouraging and supporting applications for research funding, especially focused on issues where several disciplines are harnessed for the research
program; and cooperating with CEPAR to build external stakeholder links which have a broad engagement with UNSW, not just ASB.

Professor John Piggott, PhD, FASSA
Australian Professorial Fellow and UNSW Scientia Professor
Director, Australian Institute of Population Ageing Research (AIPAR)
University of New South Wales
2. Objectives of the Institute

AIPAR aims to be a world class institute for cross disciplinary research on population ageing issues. It brings together researchers from five UNSW Faculties: The Australian School of Business, Arts and Social Science, Engineering, Medicine and the Built Environment. It is unique globally in incorporating research teams covering demographic, health labour, economic, financial and technology related issues.

The Institute’s purpose is to establish and facilitate communication between academic researchers across disciplines and highlight UNSW’s profile. It aims to extend existing research links and encourage new partnerships with researchers from Australia and overseas. As well, AIPAR works closely with business and government to promote analysis and stimulate debate about the challenges raised by global population ageing, develop ideas for new products and formulate policy proposals.

The aim is not to take researchers out of their existing Centres, Schools and Faculties but to provide a mechanism for greater cooperation and collaboration to increase university-wide research output.

The Institute will develop ideas for new products and formulate policy proposals through academic research across several faculties, as well as the involvement of public and private sector experts.

With more than a quarter of Australians over 65 years of age by 2050, the need to manage and resource population ageing is of national significance. To that end, AIPAR provides the following benefits for government, industry and academia:

- Fosters cross-institutional research collaboration with government and industry to manage and resource the consequences of population ageing
- Offers a single, independent research entity spanning the economic, cultural, environmental and social implications of population ageing
- Leverages a collaborative approach to integrate public sector initiatives with private sector market opportunities, creating tangible products and services for end-users
3. Governance

3.1. Steering Committee Members 2012

Professor Roger Simnett (Chair)
Associate Dean (Research), Australian School of Business

Professor John Piggott (AIPAR Director)
Director, ARC Centre of Excellence in Population Ageing Research

Professor Michael Sherris (AIPAR Deputy Director)
School of Risk and Actuarial Studies

Professor G.A. (Tony) Broe
Clinical School, Prince of Wales Hospital

Professor Bill Randolph
Director, City Futures Centre, Faculty of the Built Environment

Professor Peter Whiteford
Acting Director, Social Policy Research Centre, Faculty of Arts and Social Science

Professor Pradeep Ray
Director, Asia-Pacific Ubiquitous Healthcare Centre

3.2 Steering Committee Meeting

13 June 2012

Attending: Professor Roger Simnett (Chair)
Professor John Piggott
Professor G.A. (Tony) Broe
Professor Michael Sherris
Professor Bill Randolph
Ms Anne Gordon
Professor Pradeep Ray
Professor Peter Whiteford

3.3. Leaders’ Forum Members

The Leaders’ Forum lends its energy, experience and influence to pursuing the vision of the Institute to be a world-class centre for cross-disciplinary research on population ageing issues. AIPAR recognises that business, government and the not-for-profit sector are key stakeholders in the success of the Institute. The Institute’s leadership position depends on rigorous and relevant research in all its dimensions, application of research for social and commercial benefit, and on community engagement and awareness.

In 2012, the members of the Leaders’ Forum were as follows:

Chair: Marc de Cure
Senior Business Advisor
Dr Jennifer Alexander
Royal Australasian College of Physicians

Mr Cameron Clyne
National Australia Bank

Mr Craig Dunn
AMP

Professor Les Field AM
UNSW

Ms Jane Halton PSM
Department of Health and Ageing

Dr Jeff Harmer AO
Formerly FaHCSIA

Dr Ken Henry AC
Special Advisor to the Prime Minister

Mr Mark Johnson
PricewaterhouseCoopers Australia

Dr John Laker AO
Australian Prudential Regulatory Authority

Director: John Piggott
ARC Centre of Excellence in Population Ageing Research

Mr Matthew Quinn
Stockland

Mrs Heather Ridout AO
Australian Super

Mr George Savvides
Medibank Private

Mr Glenn Stevens
Reserve Bank of Australia
4. Research Activity

4.1 Major projects

AIPAR is an umbrella for research initiatives on demographic transition across UNSW. Substantial progress was achieved in a number of projects connected with the Institute in 2012. The projects detailed below were undertaken by research teams based at the:

- Australian School of Business
- Asia-Pacific Ubiquitous Healthcare Research Centre (APuHC)
- City Futures Research Centre
- Neuroscience Research Australia
- Social Policy Research Centre

Working Longer: Policy Reforms and Practice Innovations
Funded by: ARC/NHMRC Ageing Well Ageing Productively (AWAP) Program 2006-2012 ($2,000,000)
Investigators: John Piggott, University of New South Wales; Philip Bohle, University of Sydney; Ching Choi, Australian National University; Peter McDonald, Australian National University; Alan Woodland, University of New South Wales

The overall objective of the program is to develop a multi-disciplinary knowledge base to inform integrated policy and institutional (or practice) improvement in the labour market for the elderly. Its contribution will be to improve the institutional and policy framework within which households and firms operate, with the aim of modifying workplace practices and policy and institutional constraints to encourage a more vibrant labour market for older workers. Specifically it aims to:

- Assess the demographic and economic impacts of working longer under alternative policy and institutional (practice) scenarios.
- Provide alternative pension, superannuation, finance and taxation designs to encourage labour force participation of older people.
- Identify employment strategies to enhance the health and safety of older workers.
- Develop strategies to facilitate workforce re-entry of older workers, including gender-specific considerations.
- Provide an integrated set of recommendations to create policy and practice partnerships which facilitate a labour market conducive to increased mature-age participation.

Two major strands of the research program involve UNSW researchers:

i) OLG modelling and data development and
ii) Retirement incomes and their impact

In 2012 work continued on the design of means-tested programs and on the interaction between capital income taxation and means testing. Economy-wide effects of reforms to Australian mandatory pension systems were investigated in a series of papers (see 4.4).

A major review of Australian retirement income policy was completed in 2012 and the results are forthcoming in an edited volume.

Managing Longevity Risk: Quantification and Implications for Products, Markets, Risk Management and Solvency
Funded by: ARC Linkage grant 2008-2012 ($1,289,945); plus industry support
Investigators: Michael Sherris, University of New South Wales; John Evans, University of New South Wales; Changki Kim, University of New South Wales; Emiliano Valdez, University of Connecticut; Olivia
This research project is focused on longevity and morbidity risk and their implications for finance and insurance markets. It aims to advance global thinking, methodology and practice in developing and applying stochastic models for longevity with a particular focus on product and market innovations, risk management and supervision and prudential regulation, in Australia and globally. It will simultaneously research new retirement insurance products and develop new approaches to streamlining prudential regulation. It will integrate economic, actuarial, and statistical frameworks to develop an all-embracing framework which will be acceptable to all major stakeholders in the management of longevity risk.

Research targets for 2012 were to:

- Further develop models across developed economies for longevity risk and identify how to implement these so they are most useful for risk assessment.
- Consider the reverse mortgage and variable annuity products in more detail including incorporating multiple states and disability into models for Australian data.
- Develop a model for assessing residential property risk taking into account property characteristics and geographical characteristics.
- Further research on the theoretical framework for modelling and managing systematic mortality risks including heterogeneity.
- Further develop residential property risk models and assess their applications to financing retirement, including reverse mortgages.
- Develop an increased focus on disability and health related risk issues.
- Estimate and apply multiple states and disability models for US and Australian data.
- Further research the effectiveness of reinsurance and securitization.

These have been progressed with working papers completed on each of these areas. The project has investigated mortality risk factors for individuals as well as developing new mortality models for insurance and financial applications. Research on products to manage risk considered the range of different products available in the market and a theoretical framework for allowing for systematic mortality risk. Research on residential housing as an asset to finance retirement and related insurance and banking products has continued with a detailed individual house level study of the Sydney market. Issues around regulation including the economics of regulatory requirements as well as the level of risk based capital for annuity products have been addressed in current research.

The Senior Research Associates developed new research on product applications and modelling of longevity risk and assisted with supervision of research students including honours students. PhD and honours students have been supported under the project in 2012 and PhD students worked on consistent longevity risk models and modelling residential housing and its role in financing retirement. Investigators completed working papers posted on SSRN and made conference presentations and invited talks at the leading international and local academic conferences. Publications have appeared and all of the working papers have been submitted for publication with leading discipline journals.

Investigators have had research discussions with, and made research presentations to, industry partners PwC and APRA. PwC, with the support of APRA, hosted a Workshop on Longevity Risk with presentation by international visitors.

Particular outcomes have been the further development of the theoretical framework for modelling and managing systematic mortality risks. This has been applied in a more formal setting to optimal risk
management strategies for life insurers. Residential property risk models have been further developed and applied to product design of reverse mortgages used for financing retirement needs. An increased focus on disability and health related risk has been underway with the estimation of multiple state models. Pricing, solvency, risk management and regulatory requirements for the prudential operation of markets and institutions have been considered. Further research on the effectiveness of reinsurance and securitization is also underway.

Developing Sustainable Retirement Policy in a Chinese Province: The Case of Zhejiang
Funded by: ARC Linkage Project (2011-2012) $177,420
Investigators: John Piggott, Michael Sherris and Hazel Bateman, University of New South Wales and Xian-guo Yao, Zhejiang University

Much Chinese national policy has its origins in provincial initiatives, and this is especially true of retirement policy, where information about individuals is held by provinces. This project examines Zhejiang Province, one of the most innovative in policy. It aims to yield rich insights into retirement policy formulation in China.

Work progressed in 2012 on four working papers which were presented at international conferences in 2012 (see 4.4). The project also supported early career researcher exchange. Zhenzhen Yang, a PhD candidate from Zhejiang University, visited CEPAR from March 20th to May 15th 2012 and Bei Lu, the AIPAR postdoctoral fellow employed by the grant, visited Zhejiang University, Dec 19th-23rd 2012, to discuss data exchange and project development.

What is the Burden of Dementia in Urban Dwelling Indigenous Australians?
Funded by: NHMRC Project Grant 2008-2013 ($1,484,906)
Investigators: G A (Tony) Broe; Lisa Jackson Pulver; David Grayson and Simon Chalkley, Neuroscience Research Australia; Robert Cumming, University of Sydney; Brian Draper, University of New South Wales; Directors of Aboriginal Health - Gail Daylight, SESIAHS, Vicki Wade, SSWAHS and Tim Agius, WSAHS; Leon Flicker, University of Western Australia; Jeffrey Rowland, University of Queensland; Martin Prince, Institute of Psychiatry, UK
Study Manager: Holly Mack, Neuroscience Research Australia

This research project aims to:
- Determine, in urban Indigenous populations aged 60 years and over, the prevalence of dementia, of dementia sub-types and of cognitive impairment.
- Assess the relative performance of a number of standard as well as adapted instruments for the diagnosis of dementia and cognitive impairment, in this population.
- Examine risk factors for dementia and cognitive impairment in this population.
- Examine the use of formal dementia services and community services by Indigenous people with dementia and describe the burden of dementia in their carers.
- Build capacity, for Aboriginal researchers and other community members, in dementia assessment and care; risk factor detection and prevention.

The number of older Aboriginal Australians is increasing rapidly, yet little is known about their health and dementia rates. The KICA Study (WA 2008) noted a high prevalence of dementia in remote Aboriginal people. KGOWS commenced in July 2008 following consultation with Aboriginal communities and Community Controlled Organisations across NSW. We further developed and established partnerships with five city and regional NSW Aboriginal communities (La Perouse, Campbelltown, Kempsey, Nambucca and Coffs Harbour) to undertake a rolling census of all Aboriginal people aged 60
years and over currently resident in each participating community within defined local government areas. This was followed by a survey of health, cognitive function, wellbeing, family history, life history and service use with all consenting participants (N=336). Three cognitive instruments were used to screen cognitive status and “gold standard” consensus determinations of dementia and cognition were made following (blind) clinical assessment by a geriatrician. Data collection was completed in October 2012 and data analysis is currently ongoing.

KGOWS data on Aboriginal health and social factors will be examined for specific associations with cognitive decline in Aboriginal Australians and to compare with known risk factors for non-Indigenous ageing and dementia. KGOWS takes a life cycle approach, examining both early-life and mid-life risks for brain development and later cognitive decline. We are also planning a ‘Healthy Aboriginal Brain Ageing Project’ for successful ageing, both systemic and neural, in older Aboriginal participants. In the future we hope to use KGOWS data to engage with younger Aboriginal people and the non-Indigenous community in developing educational opportunities, employment and job readiness.

**Koori Dementia Care Project (KDCP): Translating Dementia Research Knowledge into Care and Practice with Aboriginal Communities**

**Funding by:** NSW Ageing, Disability and Home Care (ADHC) ($330,000); Department of Health and Ageing Dementia Community Support Grant ($47,000); Benevolent Society Aboriginal Dementia Education Grant ($15,000).

**Investigators:** G A (Tony) Broe, Sharon Wall, Gail Daylight, Holly Mack and Brian Draper, Neuroscience Research Australia

**Project Manager:** Sharon Wall, Neuroscience Research Australia

This project aims to:
- Build capacity, for Aboriginal researchers and other community members, in dementia assessment and care; risk factor detection and prevention in six NSW Aboriginal Communities (La Perouse, Campbelltown, Western Sydney (Mt. Druitt), Kempsey, Coffs Harbour and Nambucca).
- Translate the research knowledge from the Koori Growing Old Well Study (KGOWS) into Aboriginal dementia education and services in our partner communities.

The project was officially launched in 2012 and involves partnerships between the KGOWS, the KDCP project team, specific community leaders and identified information leaders within our partner Aboriginal communities. The project has worked to establish the dementia knowledge wants and needs of each community then target, train and collaborate with appropriate people within each community to provide that information. The project team has worked with local guidance groups in each community to ensure relationships with mutual respect are maintained. The project has been overseen by a sustainability group who contribute to strategies for ensuring that this information remains within individual communities.

The underpinning and pivotal component of this project is the Aboriginal Dementia Knowledge Holders (ADKH) and Project Staff in each of the communities. Initial education and training on dementia for the education of ADKHs was developed and delivered by the Project Manager. This was specifically designed for the cohort and as such contained relevant culturally appropriate and sensitive information and was provided in an adult education style. Additionally Aboriginal Dementia Knowledge Holders are planning to undertake additional education, when it becomes available in their communities.

The project team have attended and/or presented at numerous community events, workshops, Dementia Yarn Ups, and conferences as part of the KDCP implementation.
The Impact of Environment throughout LIFE on Selected Cognitive Performance and Neural Structure in Aboriginal Australians: The LIFESPAN Study

**Funded by:** The RW & JG Aboriginal Health & Ageing Fellowship and Ageing Research Centre (NeuRA); Ageing Research Centre Donations (POWH).

**Investigators:** Kylie Radford, Olivier Piguet, Jeff Nelson, Caroline Rae, Brian Draper, GA (Tony) Broe, Gail Daylight, Roland Henry, Rhoshel Lenroot, Holly Mack, Peter Schofield and Darryl Wright, Neuroscience Research Australia

This project aims to:
- Investigate the effects of early life experiences on neural structure and function in older Aboriginal people and a young cohort.
- Develop and enhance Aboriginal community participation in the prevention and management of early life stressors and their effects on cognitive growth and development.

The pilot study currently has 15 participants completed to date with plans to continue with participant recruitment in 2013 from our partner communities in La Perouse, Campbelltown, and Mid-North Coast communities.

**Liveable Bathrooms for Older People: Designing out Dependence in Activities of Daily Living**

**Funded by:** Australian Research Council (ARC) Linkage grant and GWA International Limited

**Investigator:** Associate Prof Catherine Bridge

Current bathroom environments may not support the functional performance of older people and the assistive technologies helpful for bathing are under-developed and underutilised among older people living at home. A lack of knowledge about bathing environments, uncertainty about the design preferences of older people, lack of basic human factors data, design guides and standards without adequate validation process, and reports of design practice not based on empirical evidence are hallmarks of current bathroom design research. As part of a collaboration with GWA, the largest single supplier of Australian sanitary ware, this research will assist in incorporating human factor and computational knowledge obtained in partnership with older people. This 3 year ARC Linkage project is being undertaken in partnership with Caroma Industries.

**AHURI 70687 Downsizing Amongst Older Australians**

**Funded by:** Australian Housing and Urban Research Institute (AHURI) 2011-2013

**Investigator:** Associate Prof Catherine Bridge

Given the rapidly ageing Australian population and the need to ensure appropriate and affordable housing, this project investigates the phenomenon of downsizing amongst older people in Australia, a hitherto largely under-researched aspect of ageing and housing. It aims to discover the extent of downsizing; the demographics, motivations and circumstances precipitating downsizing; the financial and social considerations and consequences of downsizing; obstacles or disincentives to downsizing; and what policy options might assist older people wishing or needing to downsize. The research involves an international literature and policy review, analysis of indicative ABS Census and Survey of Disability and Ageing data, a national survey via 50 Something magazine (2819 responses), 60 face to face in-depth interviews in three states (NSW, Victoria and SA) and three policy forums in the same states using the World Cafe conversation methodology. The results will assist policy makers and the housing industry to better understand the housing needs of older Australians, and older people themselves to be more informed about issues around moving and downsizing in later life.
Home Modification Information Clearinghouse, University of New South Wales, Recurrent research annual funding
Funded by: Ageing, Disability and Home Care (ADHC)
Investigator: Associate Prof Catherine Bridge

This project seeks to maintain the ongoing work of the HMinfo by maintenance of the website, and of key research and administration positions. The objectives are to:

- Build information and knowledge capacity within the residential construction sector in order to improve standard home design and to provide evidence for the effectiveness of special features to better the living environments of aged and/or people with disabilities, and their carers.
- Integrate diverse knowledge and cross-disciplinary research.
- Develop a leading edge Home Modification Information Clearinghouse that will be accessible to the full range of industry and consumer target groups.
- Facilitate home and community care outcomes, focusing on home modification across NSW.
- Promote innovative housing models for older people and people with disabilities within the building and development industry.
- Develop Factsheets detailing best practice principles for assessment and the setting of priorities for the home modification services.
- Promote the benefits and products of home modification and adaptable housing to the broader community through mainstream media.
- Share information at International, National, State and Regional industry forums and liaise with peak regional providers and consumers.
- Ensure that there are effective links between home modification service providers and consumers.

Home Modification Information Clearinghouse, University of New South Wales, Non-recurrent research funding
Investigator: Associate Prof Catherine Bridge

This project covers the specific publications as defined by the funding agreement of that year.

- $85,000 was allocated to investigate the evidence based practice deliverable “Investigating bridging and earth berming as a level access solution.”
- $200,000 was allocated to “Research and develop approaches to post home modification follow up on the completion of minor modifications by allied health professionals”.
- $132,311 was allocated to conduct a user appraisal of the contribution of environmental factors on the independence and wellbeing of older people in three regional town centres. The aim of this study is to obtain a clear understanding of what aspects of the built environment are valued and function well for older persons and what features restrict their access and diminish their wellbeing.

Comparing the Living Standards of Children and Older People Within and Between Nations
Funded by: Australian Research Council Discovery Grant
Investigators: Bruce Bradbury, Peter Saunders and Anna Zhu, University of New South Wales, Jonathan Bradshaw, University of York, Timothy Smeeding, Syracuse University and Aya Abe, National Institute of Population and Social Security Research

The research aims to contribute to our understanding of the factors that determine the living standards of children and older people and inform the policy response to population ageing. It draws on the
expertise of leading national and international researchers, utilising a range of existing and new data to conduct in depth comparisons between Australia and other similar countries, and contributes to the development of an important new international database. Relevant to the national research priorities, the project will train a new generation of Australian researchers, and actively engage end users in the research process by providing new information for policy development.

4.2 Conferences and workshops

AIPAR students and personnel participated in a number of conferences and workshops organised or co-sponsored by the ARC Centre of Excellence in Population Ageing Research (CEPAR). These events provided opportunities for AIPAR researchers and students to showcase their work as well as network with other experts in the field.

2012 Events Included:

Aged Care Policy Dialogue

The Aged Care Policy Dialogue brought together leading Australian and international experts, policymakers, researchers and commentators to consider current and future challenges for this important policy area.

41st Australian Conference of Economists, ACE2012

As part of ACE2012, CEPAR organised a special forum on the Implications for Population Ageing on Australian Fiscal Policy. The session brought together Australian and international experts to provide a multifaceted perspective on the fiscal implications of demographic change, both in Australia and globally.

Roundtable with the Age Discrimination Commissioner

The Hon Susan Ryan AO, Australia’s Age Discrimination Commissioner, and senior members of her team, spent a morning at a Roundtable with researchers at UNSW in August. A three hour conversation with several researchers covered a wide range of topics - mature labour force participation and the barriers to working longer, the age pension and superannuation, age discrimination in aged care, discrimination implications of cognitive decline, the coordination of driver’s licence provisions for older people, and the impacts of exclusion on older men.

Roundtable with Government Partners

Two roundtable discussions, one on workforce participation and the other on health and care, were held with our Federal Government partners FaHCSIA, Treasury and the Department of Health and Ageing. The Departments of Veterans Affairs, Human Services, Finance and Deregulation and Education, Employment and Workplace Relations were also represented.

20th Annual Colloquium of Superannuation Researchers

CEPAR and The UNSW CPS Research Group jointly hosted the 20th Annual Colloquium of Superannuation Researchers in July. The annual Colloquium is an opportunity for superannuation and pension experts from around the world to share their research.

Longevity Risk Workshop

PwC hosted a workshop for industry professionals and early career researchers. The Longevity Risk Workshop in Modelling Longevity Dynamics for Superannuation, Pensions and Annuity Business was presented jointly by two visiting CEPAR Associate Investigators, Ermanno Pitacco and Annamaria Olivieri.
Emerging Researchers in Ageing Conference

The 11th National ERA conference, supported by CEPA and hosted by the University of Queensland and Blue Care Research and Practice Development Centre, attracted over 100 participants from a wide range of disciplines and showcased the work of almost 50 higher degree research students.

4.3 International visitors

AIPAR welcomed the following visitors in 2012.

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor Henry Ohlsson</td>
<td>Department of Economics, Uppsala University</td>
<td>3 October, 2011 to 31 January, 2012</td>
</tr>
<tr>
<td>Erik Hernaes</td>
<td>Frisch Centre for Economic Research, University of Oslo</td>
<td>4 January - 7 March, 2012</td>
</tr>
<tr>
<td>Dr Simen Markussen</td>
<td>Frisch Centre for Economic Research, University of Oslo</td>
<td>4 January - 7 March, 2012</td>
</tr>
<tr>
<td>Dr Severine Gaille</td>
<td>University of Lausanne</td>
<td>16 April - 15 June 2012</td>
</tr>
<tr>
<td>Professor Annamaria Olivieri</td>
<td>University of Parma</td>
<td>3 - 21 July, 2012</td>
</tr>
<tr>
<td>Professor Ermanno Pitacco</td>
<td>University of Trieste</td>
<td>3 - 21 July, 2012</td>
</tr>
<tr>
<td>Dr Renuka Sane</td>
<td>Indira Gandhi Institute of Development Research</td>
<td>31 July - 6 August, 2012</td>
</tr>
<tr>
<td>Professor Noriyuki Takayama</td>
<td>Research Institute for Policies on Pension and Aging, Tokyo</td>
<td>6 - 18 September, 2012</td>
</tr>
<tr>
<td>Dr Fanny Annemarie Kluge</td>
<td>Max Planck Institute for Demographic Research</td>
<td>26 September - 16 October, 2012</td>
</tr>
<tr>
<td>Professor Peter Zweifel</td>
<td>University of Zurich</td>
<td>29 - 30 November, 2012</td>
</tr>
<tr>
<td>Dr Joshua Wiener</td>
<td>RTI International</td>
<td>3 – 4 December, 2012</td>
</tr>
<tr>
<td>Dr José-Luis Fernández</td>
<td>London School of Economics and Political Science</td>
<td>3 – 4 December, 2012</td>
</tr>
</tbody>
</table>
4.4 Publications

AIPAR is an umbrella organisation covering a number of different schools and centres. The list below comprises relevant publications produced by affiliated AIPAR personnel based in these schools and centres on topics germane to the issue of population ageing.

**Journal Articles**


Other – Reports and Policy Papers


Conference Publications


Conference, seminar and workshop presentations


**Working Papers**


Hernaes, E., Markussen, S., Piggott, J. and Vestad, O. (2012). Does Retirement Age Impact Mortality?


Lu, B. (2012). Rural Pension, Income Inequality and Family Transfer in China.


4.5 In the Media

2UE Radio Sydney, Mornings, Can we afford to live longer? 9 November, interviewed Michael Sherris.

6PR Breakfast with Steve Mills, How will changes to superannuation rates affect you? 20 March 2012, featuring John Piggott.

ABC PM Program, IMF calls on governments to lift the pension age 12 April 2012, John Piggott and Hal Kendig interviewed.

ABC Radio Canberra, Mornings, How will we fund old age? 9 November, interviewed Michael Sherris.

Australian Financial Review, Don't fiddle with super, says Cooper 10 September 2012, featuring John Piggott.


Australian Financial Review, Tax fiddle risks entire pension system 30 April 2012, opinion piece by John Piggott.

Best Week Asia Pacific, Acquisitions boost profit for QBE, IAG 7 February 2012, featuring Michael Sherris.


CurtiseCall, Sydney’s property market awakes in 2012 to find the devil is in the details 29 February 2012, featuring Michael Sherris and Katja Hanewald.

The Daily Telegraph, A super solution to some giant needs 7 April 2012, by Michael Sherris.

Knowledge@ASB, Australia’s superannuation has the country well placed 22 November 2012, by John Piggott.
Knowledge@ASB, Will we live too long to enjoy retirement?  

Knowledge@ASB, House Price Risk: What's Driving Property Values?  
31 January 2012, featuring Michael Sherris and Katja Hanewald.

News Asia TV, Singapore extends the minimum sum topping-up scheme  
12 April 2012, featuring Michael Sherris.

News Limited, National Features, Property plans built on sand  

Risk Management Today 21: 12–14, House Price Risk Modelling – Insights from a Study on the Sydney Property Market,  
01 June 2012, by Katja Hanewald and Michael Sherris.

SeniorAU, Drop in house prices - A warning to retirees  
3 May 2012, featuring Michael Sherris.

Super Review, Investors funding retirement with property appreciation in for a shock  

The Sydney Morning Herald, People poorly informed on retirement choices  
9 April 2012, featuring Hazel Bateman.

The Sydney Morning Herald, Money, Catch 82: we're all living longer … but can we afford to?  
9 November 2012, featuring Michael Sherris.

The Sydney Morning Herald, Business Day, SMEs in the demographic age  

The Sydney Morning Herald, Right call: Individual factors influence price most  
11 February 2012, featuring Michael Sherris and Katja Hanewald.

The Sydney Morning Herald, Blueprint for wealth  
1 February 2012, featuring Michael Sherris.

The Wall Street Journal Blog, An age-old debate  
2 March 2012, featuring Michael Sherris.
5. Research Training

While research supervision is not carried out by the centre on behalf of academic units, four students were financially supported by AIPAR scholarships in 2012.

Rachelle Arkles
Year of commencement: 2009
Affiliation: School of Public Health and Community Medicine, UNSW
Thesis Title: “Between Shadow and Light”: A Study of Experience and Meaning in Ageing and Dementia for Indigenous Family Caregivers

Dementia is emerging as a global phenomenon, although it is predominantly described in the literature in Western diagnostic terms. In remote-living Indigenous communities in Australia, dementia is almost five times as prevalent and presents at an earlier age than in the non-Indigenous population. There is as yet no data on dementia prevalence in non-remote Aboriginal communities although research is currently underway to determine prevalence in urban and regional communities in NSW. This PhD is a sub-study of this NHMRC funded epidemiological study of health and ageing and dementia prevalence called the, “Koori Growing Old Well Study”, and it specifically addresses the experience, perception and meaning of dementia in an urban Indigenous family and community context. The PhD researcher is working within the KGOWS Study’s fieldwork sites, community access points and identified families impacted by dementia or cognitive decline.

Its aims are to examine: the perceptions, meanings and understandings of dementia, both in families with a dementia sufferer and in the broader community perception; the social and cultural context in which formal (government and community) and informal (family) care is provided to Indigenous people with dementia; and how these factors relate to issues such as service use and acceptance. The study takes as its starting point, how dementia is lived and acted in concrete situations, and as such, a phenomenological perspective and methodology is utilised. This is a qualitative study in the interpretive tradition of scholarship which uses a hermeneutic approach to the phenomenon under inquiry in order to illuminate the meaningful nature of experience itself, whereby lived experience (knowledge) is socially, culturally and historically contingent. The thesis is in the writing up stage and is close to completion.

This student is also writing a chapter for a book entitled: “Management Inquiry and Creative Destruction: Existential Skills for Inquiring Managers, Researchers and Educators”. The second part of the book comprises chapters from practitioner-researchers writing in an existentially reflexive way on the practices in which they are situated.

Saradhi Motamarri
Year of commencement: 2011
Year of MPhil thesis submission: 2012
Affiliation: School of Information Systems, Technology and Management UNSW
Thesis Title: Distinguishing mHealth from other Health Care Alternatives in Developing Countries – A Study on Service Characteristics

The research centred on understanding the antecedents of service quality and lead to the conceptual development of a Services Life Cycle (SLC) Model. The research identified HoQ framework as a theoretical foundation for services design, and identified the pressing need for a comparative evaluation of mHealth with conventional healthcare services. Multiple Discriminant Analysis (MDA) technique has been applied to a dataset collected in Bangladesh. The results showed that the developing world was using innovative approaches to deliver solutions to address shortages in
conventional healthcare delivery systems. mHealth was regarded as a favourable alternative due to its ubiquity, information quality and value. The research found that patients perceived mHealth as a better service alternative than conventional systems.

In 2012, the research resulted in one paper (mHealth: A Better Alternative for Healthcare in Developing Countries) being published/presented at the PACIS-2012 conference in Vietnam. A presentation was also delivered on healthcare services design at the 2nd Australian Symposium on Services Research and Innovation and a journal paper manuscript has been submitted to CAIS. Importantly, the research culminated in the submission of an MPhil thesis.

Yuvisthi Naidoo
Year of commencement: 2008
Affiliation: Social Policy Research Centre, UNSW
Thesis Title: The Living Standards and Wellbeing of Older Australians

The purpose of this thesis is to explore and assess the living standards of older Australians using different conceptual approaches to the standard of living and wellbeing. This research is important for two reasons. First, it contributes to the current debate within western industrialised nations on reducing the fiscal pressures on health care, aged-care and income support brought on by the ageing of populations while maintaining the living standards of older people. Second, it extends the conceptual debate on the meaning and measurement of the standard of living and wellbeing beyond reliance on an income metric.

There are two methodological components. The first part involves estimating three economic resource measures along a continuum, from cash disposable income to a derived ‘final income’ metric that includes the value of non-cash benefits and services and the services from home ownership, and to a ‘potential consumption’ metric based on components of ‘final income’ and wealth. The second part involves developing and estimating multi-dimensional standard of living and wellbeing indicators for older Australians. The intention is to provide a continuum of economic and non-economic measures and to examine if substantive conclusions about the living standards of older Australians change with each metric adopted. The findings from this study will provide a multi-dimensional framework for the standard of living and wellbeing of older people and as such inform the policy response required to meet this intergenerational challenge.

In 2012 the first part of the thesis, the economic living standards approach, was complete. This involved setting out the theoretical framework, outlining the methodological techniques and imputation of the various economic resources using the Household Income and Labour Dynamics in Australia Survey and the ABS Household Income and Expenditure Surveys. The findings were presented at an international conference in Sweden (Foundation for International Studies on Social Security), where it was shortlisted for best paper prize, and at a PhD Seminar (Social Policy Research Centre Higher Degree Workshop).

Cathy Thomson
Year of commencement: 2009
Affiliation: Social Policy Research Centre, UNSW
Thesis Title: Carers and the Costs of Care in an Ageing Society

The aim of this study is to estimate the direct costs to the individual carer associated with providing informal care to a person aged 60 years and over with disability, chronic illness or frailty due to ageing. The study will employ a mixed method approach to identify and estimate the direct costs of care. The study has three components:
Quantitative analysis based on the comparative approach which compares the expenditure patterns of different households while controlling for other factors such as income;

Quantitative analysis based on the standard of living approach which uses multivariate analysis to estimate the differences in incomes required to achieve the same standard of living outcomes for different households; and

Qualitative analysis based on in-depth interviews with informal carers to explore the complex nature of the relationship between disability and caring and how decisions are made to meet the associated costs.

In 2012 the following activities were completed: finalised recruitment of the study sample; conducted in-depth interviews for the qualitative component of the study; transcribed and coded the data from the interviews; conducted thematic analysis of the qualitative data in Nvivo; wrote up the results from the qualitative data; revised the methods chapter; and updated the literature review.
## 6. Financial Statement

### Australian Institute of Population and Ageing Research

**Statement of Financial Performance**

*for the Year Ended 31 December 2012*

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Funds(^1)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARC Research Revenue(^2)</td>
<td>$357,340</td>
<td>$525,495</td>
</tr>
<tr>
<td>NH&amp;MRC Research Revenue</td>
<td>$100,000</td>
<td>$272,071</td>
</tr>
<tr>
<td>Other Research Revenue</td>
<td>$7,542</td>
<td>$2,597</td>
</tr>
<tr>
<td>Interest Revenue(^3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNSW Internal Transfer / Contributions(^4)</td>
<td>$215,650</td>
<td>$94,565</td>
</tr>
<tr>
<td><strong>Total Funds</strong></td>
<td>$680,532</td>
<td>$1,014,728</td>
</tr>
<tr>
<td><strong>Costs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>People Costs</td>
<td>$675,855</td>
<td>$148,643</td>
</tr>
<tr>
<td>Scholarship Stipends</td>
<td>$95,611</td>
<td>$66,659</td>
</tr>
<tr>
<td>Contract &amp; Consulting Services</td>
<td></td>
<td>$7,546</td>
</tr>
<tr>
<td>Repairs and Maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consumables</td>
<td>$7,304</td>
<td>$2,738</td>
</tr>
<tr>
<td>Travel</td>
<td>$86,498</td>
<td>$26,445</td>
</tr>
<tr>
<td>Equipment</td>
<td>$1,637</td>
<td>$1,309</td>
</tr>
<tr>
<td>Other Expenses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Research Ohead</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributions to other Universities</td>
<td>$225,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td>$1,091,906</td>
<td>$253,339</td>
</tr>
</tbody>
</table>

**Operating result**

(411,374) 761,389

**Surplus brought forward from prior period\(^5\)**

1,158,810 42,256

**Adjustment to Brought forward from prior period**

(62,635) 355,166

**Closing Balance**

684,801 1,158,810
Notes to the Statement of Financial Performance

1. The above does not include the revenue receipted directly by UNSW Donat. This is as follows:
   - Opening balance: 50,822
   - Donation received: 107,228
   - Interest Income earned on Donated Funds: 3,170
   - Total Revenue: 161,220
   - Less: Drawdowns: -
   - Closing Balance: 161,220

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening balance</td>
<td>50,822</td>
<td></td>
</tr>
<tr>
<td>Donation received</td>
<td>107,228</td>
<td>50,000</td>
</tr>
<tr>
<td>Interest Income</td>
<td>3,170</td>
<td>822</td>
</tr>
<tr>
<td>Total Revenue</td>
<td>161,220</td>
<td>50,822</td>
</tr>
<tr>
<td>Less: Drawdowns</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Closing Balance</td>
<td>161,220</td>
<td>50,822</td>
</tr>
</tbody>
</table>

With there being no NHMRC grant in 2012 and Prof Sherris ARC grant (RM09622) receiving a lesser amount as the grant began mid 2008, there was a decline in revenue between the years.

3. Interest was earned on an NHMRC grant (RM09621).

4. Of the $215,650 amount, $28,500 was classified as "UNSW Internal Transfer" due to an internal transfer from a research surplus (PS26276) from the School of Risk and Actuarial Studies. There was also funding provided for salary allocations of $187,150 by ASB.

5. The adjustment to the opening balance in 2011 included $50,769.25. This 2011 adjustment is now reflected in the current year's statement.
AIPAR wishes to acknowledge the generous contributions made in 2012 from

i) the members of the Leaders’ Forum:
   Mr Marc de Cure, Chair
   Dr Jennifer Alexander, Royal Australasian College of Physician
   Mr Cameron Clyne, National Australia Bank
   Mr Craig Dunn, AMP
   Professor Les Field AM, UNSW
   Jane Halton PSM, Department of Health and Ageing
   Dr Jeff Harmer AO, formerly FaHCSIA
   Dr Ken Henry AC, Special Advisor to the Prime Minister
   Mr Mark Johnson, PricewaterhouseCoopers Australia
   Dr John Laker AO, Australian Prudential Regulatory Authority
   Mr Matthew Quinn, Stockland
   Mrs Heather Ridout AO, Australian Super
   Mr George Savvides, Medibank Private
   Mr Glenn Stevens, Reserve Bank of Australia

ii) Bain and Company for their support in strategic planning

iii) PricewaterhouseCoopers, the Australian Prudential Regulatory Authority and the World Bank for cash and in-kind support provided as part of the ARC Linkage project ‘Managing Longevity Risk: Quantification and Implications for Products, Markets, Risk Management and Solvency’

iv) the following UNSW personnel who contributed between 5-20% of their time to AIPAR

   Professor Alan Woodland, School of Economics
   Ms Anna Zhu, Social Policy Research Centre, Faculty of Arts and Social Science
   Dr Bei Lu, ARC Centre for Excellence in Population Ageing Research
   Professor Bill Randolph, City Futures Research Centre, Faculty of the Built Environment
   Dr Bruce Bradbury, Social Policy Research Centre, Faculty of Arts and Social Science
   Professor Bruce Judd, City Futures Research Centre, Faculty of the Built Environment
   Associate Prof. Catherine Bridge, City Futures Research Centre, Faculty of the Built Environment
   Professor G.A. (Tony) Broe, Clinical School, Prince of Wales Hospital
   Dr George Kudrna, ARC Centre for Excellence in Population Ageing Research
   Associate Professor Hazel Bateman, School of Risk and Actuarial
   Associate Professor John Evans, School of Risk and Actuarial
   Professor John Piggott, ARC Centre for Excellence in Population Ageing Research
   Laurel Hixon, Australian Institute for Population Ageing Research
   Professor Michael Sherris, School of Risk and Actuarial
   Professor Peter Saunders, Social Policy Research Centre, Faculty of Arts and Social Science
   Professor Peter Whiteford, Social Policy Research Centre, Faculty of Arts and Social Science
   Professor Pradeep Ray, Asia-Pacific Ubiquitous Healthcare Centre
Professor Roger Simnett, Australian School of Business

v) the following external personnel who contributed between 5-20% of their time to AIPAR

Dr Amir Talaei-Khoei, University of the Sunshine Coast
Dr Cagri Kumru, ANU College of Business and Economics
Dr Chung Tran, ANU College of Business and Economics
Mr Giovanni Chiarinni, Politecnico di Milano Italy
Dr Shahriar Akter, University of Wollongong

vi) Office space provided by

The Australian School of Business
Faculty of the Built Environment
Faculty of Medicine
Faculty of Arts and Social Science