MANAGING RESEARCH AND INNOVATION FOR SOCIAL AND ECONOMIC DEVELOPMENT

A conference on the interplay between research management, policy and innovation in a country’s development.

30-31 October, Canberra

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Conference Overview

Internationally and in Australia, improved governance, management and evaluation of research and innovation for development, both social and economic, are increasing in importance. Despite the financial downturn, many national and supranational governments (such as the European Union) have continued to invest in tertiary education and research in the hope of innovation-led economic recovery. Tertiary education institutions are expected to play a central role in the research-innovation nexus, but how to effectively manage and govern that relationship is not well understood.

This conference will contribute to current debates on the complex interplay between research management and policy (both national and institutional) and innovation enhancement for a country’s capacity building and development.

Key themes

Managing research and innovation expectations

The relationships between research, innovation and economic growth are more complex than the direct linear ones often assumed by policy makers and unchallenged by institutional leaders needing to justify public funding. The conference will critically explore tertiary education’s role with respect to such issues as the supply of ideas and discovery for innovation, on the one hand, and that of human capital and knowledge workers on the other. These issues will be explored from the perspectives of both tertiary education and industry.

Managing the tertiary education sector in support of research and innovation

There are contradictory pressures for institutions, educators and researchers to compete and to collaborate. There is ongoing debate on the desirability of unified or formally diversified education systems. This raises a number of important questions to be addressed by the conference. What structures will support high quality research, prepare the next generation of researchers and educate the broader population? Should research funding be concentrated in a small number of institutions or shared across all institutions offering higher education programs?

Managing institutional research

There are various ways to manage research within universities, reflecting system-wide and institutional-specific factors. Although there is no single model, the literature suggests critical factors include response speed to external opportunities, level of devolution of responsibilities, devolved operational responsibilities, flexibility in allocating resources (including academic staff), sufficient “critical mass” in organisational units, an interdisciplinary research support structure, and visionary leadership.

Universities require a framework to deal with the legal and ethical issues involved in research, as well as mechanisms for quality assurance and resource allocation. The conference will explore the exercise of research management in the context of complex expectations placed on it by both the institution and the researchers themselves.

Managing international research networks and collaborations

The formation of international knowledge networks is becoming increasingly important and they are attracting more and more global research funding. Research publications involving authors from two or more countries are growing both in quantity and impact as measured by the number of citations. There are a number of drivers, including the size, complexity and cost of some research projects, the global nature of many urgent scientific problems, and the desire for scientists to work with the best people and equipment. International collaboration is supported by developments in ICT and the availability of cheap travel. The conference will examine this relatively new phenomenon and the complex management issues involved with major international research network initiatives.
Conference Program

Wednesday, 30 October 2013

08:45  REGISTRATION, ARRIVAL TEA AND COFFEE

09:15  WELCOME
   Professor Leo Goedegebuure  Director, LH Martin Institute

09:30  OPENING ADDRESS
   Professor Sandra Harding  Vice-Chancellor and President, James Cook University; Chair, Universities Australia
   CHAIR  Professor Leo Goedegebuure

10:00  Facilitating and stimulating innovation – Australia’s challenge in a global marketplace
   Mr Doron Ben-Meir  CEO, Commercialisation Australia
   CHAIR  Professor Leo Goedegebuure

10:45  MORNING TEA

11:15  The contribution of Australia’s university research system and its evolution relative to comparable nations
   Ms Belinda Robinson  CEO, Universities Australia
   CHAIR  Professor Leo Goedegebuure

12:30  LUNCH

13:30  Research management implications of institutional profiles of Australian research
   Professor Alan Pettigrew  Professorial Fellow, LH Martin Institute
   CHAIR  Professor V. Lynn Meek  Professorial Fellow, LH Martin Institute

14:15  The seven deadly sins (and opportunities) of university/industry partnerships for innovation
   Dr Leanna Read  Chair, CRC for Cell Therapy Manufacture; Non-Executive Director, Biosensis Pty Ltd.
   CHAIR  Professor V. Lynn Meek

15:00  AFTERNOON TEA

15:30  Research and innovation beyond academia
   Professor Moira Clay  Director of Research Strategy, Immediate Past President, Australasian Research Management Society
   CHAIR  Professor V. Lynn Meek

16:15  Rapporteur and audience discussion of day’s topics
   Professor Robin J Batterham  Kernot Professor of Engineering, University of Melbourne; President, Academy of Technological Sciences and Engineering; Former Chief Scientist of Australia (1999-2006)

16:45  NETWORKING DRINKS

17:45  CLOSE
## Conference Program

**Thursday, 31 October 2013**

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<td>ARRIVAL TEA AND COFFEE</td>
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<td>09:00</td>
<td>Beyond misleading models: the importance of publicly funded academic research for socio-economic development</td>
<td>Professor Peter Maassen, Director, Higher Education Development Association, University of Oslo (Norway)</td>
<td>Professor Alan Pettigrew, Professorial Fellow, LH Martin Institute</td>
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<td>10:00</td>
<td>Re-visioning the role of the university in the knowledge society</td>
<td>Professor Merle Jacob, Research Policy Institute, Lund University (Sweden)</td>
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<td>10:45</td>
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<td>11:15</td>
<td>Research and innovation in the health sciences</td>
<td>Professor Warwick Anderson, CEO, National Health and Medical Research Council</td>
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<td>12:00</td>
<td>LUNCH</td>
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<td>13:00</td>
<td>The research policy and funding environment</td>
<td>Ms Leanne Harvey, Executive General Manager, Australian Research Council (ARC)</td>
<td>Ms Fabiana Barros de Barros, PhD Candidate, LH Martin Institute</td>
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<td>13:45</td>
<td>Research and innovation in the social sciences and humanities</td>
<td>Professor Stuart Cunningham, Director, ARC Centre of Excellence for Creative Industries and Innovation, Queensland University of Technology</td>
<td>Ms Fabiana Barros de Barros</td>
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<td>14:30</td>
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Presenter Biographies

(in order of appearance)

Wednesday, 30 October 2013

09:30 OPENING ADDRESS

Professor Sandra Harding
Vice-Chancellor and President,
James Cook University; Chair, Universities Australia
BSc (Hons) ANU, MPubAdmin UQ, PhD NCSU, Hon Doc JIU, FACE, FQA, FAICD, FAIM

Professor Sandra Harding took up her appointment as Vice-Chancellor and President of James Cook University Australia in January 2007. In this role, she is responsible for ensuring clear and effective leadership and management of the University across all operating sites, including campuses in Townsville, Cairns and Singapore.

Professor Harding has extensive academic and academic leadership experience. An economic sociologist by training, her areas of enduring academic interest include work, organisation and markets and how they work. She also has a keen interest in public policy, particularly education policy and other policy domains affecting higher education.

Professor Harding has undertaken a wide variety of external roles within the business community and the higher education sector. Her current roles include: Chair of Universities Australia; Director of Regional Australia Institute; Council Member of the Australian Institute of Marine Science; Director of North Queensland Cowboys NRL club; Member of the Defence Science and Technology Organisation (DSTO) Advisory Board; the Australian Research Council (ARC) Advisory Council; Director of Townsville Enterprise and of Advance Cairns (regional economic development bodies).

10:00 FACILITATING AND STIMULATING INNOVATION – AUSTRALIA’S CHALLENGE IN A GLOBAL MARKETPLACE

Mr Doron Ben-Meir
CEO, Commercialisation Australia

Mr Ben-Meir has extensive experience in the venture capital industry and commercialisation more generally. Over the past twenty years he has been involved in numerous venture capital organisations; has been a founder or co-founder of six start-up companies; as well as an investor, investment manager, and advisor to several other companies.

He has an intimate understanding of the practical challenges companies face, and of what is required to be successful. Through his investments and advisory work, he has been involved in identifying and assisting innovative companies to commercialise their intellectual property and transition through various stages of business development.

He is currently the CEO of Commercialisation Australia – an Australian Government program established to assist entrepreneurs, researchers and inventors to build sustainable businesses from their innovative intellectual property.
Mr Ben-Meir’s qualifications include a Bachelor of Science and a Bachelor of Electrical and Computer Systems Engineering (Hons) from Monash University, Melbourne. He is a member of the Australian Institute of Company Directors.

**CHAIR** Professor Leo Goedegebuure

**11:15** THE CONTRIBUTION OF AUSTRALIA’S UNIVERSITY RESEARCH SYSTEM AND ITS EVOLUTION RELATIVE TO COMPARABLE NATIONS

**Ms Belinda Robinson**  
CEO, Universities Australia  
Belinda Robinson commenced as Universities Australia’s Chief Executive in January 2012. She is a highly experienced Chief Executive of peak national organisations with an extensive background in public policy and the private sector.

Belinda was Chief Executive of the Australian Petroleum Production & Exploration Association for over six years and spent nine years in the Federal Government including six years in senior roles within the Department of Prime Minister & Cabinet.

Belinda has undertaken a variety of roles as a member/director of a wide range of commercial and not-for-profit boards and advisory committees. She has degrees in geography and law and is a graduate member of the Australian Institute of Company Directors.

**CHAIR** Professor Leo Goedegebuure

**13:30** RESEARCH MANAGEMENT IMPLICATIONS OF INSTITUTIONAL PROFILES OF AUSTRALIAN RESEARCH

**Professor Alan Pettigrew**  
Former Vice-Chancellor and CEO, University of New England; Professorial Fellow, LH Martin Institute  
BSc PhD FAICD

Professor Pettigrew has held senior executive appointments in Australia at the Universities of Sydney, Queensland, and New South Wales. He was Vice-Chancellor and CEO of the University of New England from 2006 to 2009. From 2001 to 2005 Professor Pettigrew was the inaugural CEO of the National Health and Medical Research Council (NHMRC) of Australia.

Professor Pettigrew has served on many Government and other committees, including an Advisory Committee for the Australian Law Reform Commission (2003 – 2004) and the Board of the Australian Universities Quality Agency (AUQA) Ltd (2006 – 2010).

Professor Pettigrew is an adviser to the Chief Scientist of Australia, an Adjunct Professor at the Australian National University and a Professorial Fellow of the L.H. Martin Institute at the University of Melbourne. He is a member of the Australian Government’s Cooperative Research Centres Committee, the Council of the Queensland Institute of Medical Research, and the Board of the John Curtin Medical Research Foundation. He is Chair of the Advisory Committee of the NHMRC Centre of Research Excellence in Reducing Healthcare Associated Infection at the Queensland University of Technology.

Professor Pettigrew has served as a consultant on a World Bank project on the future arrangements for higher education and research in Vietnam. He has also been engaged with the OECD on an international project on research and innovation management at policy and institutional levels. Professor Pettigrew is a consultant to universities on higher education leadership, management and research.

**Afternoon Chair**

**Professor V. Lynn Meek**  
Professorial Fellow, LH Martin Institute  
Professor and Foundation Director of the LH Martin Institute, Lynn was previously Professor and Director of the Centre for Higher Education Management and Policy at the University of New England. Having completed a PhD in the sociology of higher education at the University of Cambridge, he has nearly three decades experience researching higher education policy issues.

Specific research interests include governance and management, research management, diversification of higher education institutions and systems, institutional amalgamations, organisational change, and comparative study of higher education systems.

He has attracted numerous competitive research grants, is regularly invited to address international conferences and is frequently invited to be guest editor of international journals with respect to special issues on aspects of higher education policy. Lynn has published 30 books and monographs and numerous scholarly articles and book chapters. He is on the editorial board of several international journals and book series and has worked with such international agencies as UNESCO and the OECD.
Moira Clay is a leading research manager and strategist in Australia. She is the Immediate Past-President of the Australasian Research Management Society (ARMS), the peak body representing research managers across Australasia. During her term as President, the ARMS Professional Accreditation Program was launched and society expanded to include a new chapter in Singapore.

Dr Leanna Read
Chair, CRC for Cell Therapy Manufacture; Non-Executive Director, Biosensis Pty Ltd.

Leanna Read brings extensive executive, board and investment experience in technology-based enterprises. She has a unique track record that spans the public and private sectors, particularly in biotechnology.

Leanna currently chairs the Cooperative Research Centre (CRC) for Cell Therapy Manufacture and is a non-executive director of biotechnology company, Biosensis Pty Ltd. She is also a member of other boards that address innovation across the government, industry and academic sectors, including Commercialisation Australia, the SA Economic Development Board and the SA Premier’s Science and Industry Council, the board of the Australian Academy of Technological Sciences and Engineering, and the University of South Australia Council.

In addition to her current appointments, Leanna has led a number of research and commercial ventures including the CRC for Tissue Growth and Repair - widely considered to be one of the most successful commercially focused CRCs. In 2001, she founded the South Australian biotechnology company, TGR BioSciences Pty Ltd, and served as the company’s Managing Director and CEO until 2012. She also served on PMSEIC, as well as the Federal R&D Board for six years.

A physiologist by training, Leanna has 90 scientific papers and has been awarded an Honorary Doctorate from the University of SA, as well as a Convocation Medal from Flinders University.

Leanna is a fellow of the Australian Institute of Company Directors and of the Australian Academy of Technological Sciences and Engineering. She has received a number of awards, including the inaugural Biotechnology Industry Service Award; a Centenary Medal for services to the Industry & R&D Board; the 2006 SA Premier’s Award for Science, Technology and Innovation Management Excellence; and the 2006 South Australian of the Year (Science and Technology). Leanna was the 2011 Central Region winner of the Ernst & Young Entrepreneur of the Year (Technology).

Professor Robin J Batterham
Kernot Professor of Engineering, University of Melbourne; President, Australian Academy Technological Sciences and Engineering; Former Chief Scientist of Australia (1999-2006)

AO, BE, PhD, LLD (Hon. Melb), DSc (Hon. UTS), Hon DEngin (Qld), FAA, FTSE, FREng, FNAE, FSATW, FChemE, FISS, FAIM, FAICD, FIEAust, CE, CPE, CSci, AMusA, Hon.MWIF

Professor Robin Batterham AO is Kernot Professor of Engineering at the University of Melbourne. Until recently he was Group Chief Scientist-Rio Tinto Limited, President of the Australian Academy of Technological Sciences and Engineering (ATSE) and Chairman of the International Energy Agency Expert Group on Science for Energy (IEA-EGSE).

He has had a distinguished career in research and technology, in the public and private sectors in areas such as mining, mineral processing, mineral agglomeration processes, and iron making. He is inventor on over 20 patent families.

Professor Robin Batterham was Chief Scientist to the Australian Federal Government from 1999 to 2005. Professor Batterham’s current research interests centre on energy systems: including geothermal energy, energy reduction in comminution and in dewatering of low grade materials.

Professor Moira Clay
Immediate Past President, Australian Research Management Society
BSc(Hons), PhD

Moira was the Research Manager for the Heart Foundation from 2000–2005 and during that time achieved a 22% growth in research funding through establishment of co-funding partnerships. She has occupied executive level research strategy roles in three of Australia’s premier Medical Research Institute’s, including 7 months as the Acting Director of the Telethon Institute for Child Health Research (TICHR) in 2012. These roles were responsible for developing and implementing outcomes-focused research strategy and fostering research capacity by development of future research leaders. In 2011, she developed an innovative Research Leadership Program that received the ARMS Award for Excellence in Innovation in Research Management in 2012. In 2003, she was the President of the Australian Society for Medical Research, the peak professional body representing health and medical researchers in Australia.

Professor V. Lynn Meek
Professor of Biotechnology, University of South Australia; President, Australian Academy of Biotechnological Sciences and Engineering; Former Chief Executive Officer of Australian Genome Research Foundation

Professor V. Lynn Meek
09:00 BEYOND MISLEADING MODELS: THE IMPORTANCE OF PUBLICLY FUNDED ACADEMIC RESEARCH FOR SOCIO-ECONOMIC DEVELOPMENT

Professor Peter Maassen
Director, Higher Education Development Association, University of Oslo (Norway)

Peter Maassen is professor in higher education studies at the Faculty of Education, University of Oslo, where he is also the director of Hedda, a consortium of European centres and institutes in the area of higher education studies. His academic areas of specialisation are “the public governance of higher education” and “higher education and development”.

Previously he was working at the Centre for Higher Education Policy Studies (CHEPS), University of Twente, the Netherlands, where he was the director from 1997 to 2000. He is the editor of the book series Higher Education Dynamics (Springer Publishers), book chapters and articles (in 6 languages) in journals of higher educations, political science, management studies and policy analysis.

10:00 RE-VISIONING THE ROLE OF THE UNIVERSITY IN THE KNOWLEDGE SOCIETY

Professor Merle Jacob
Professor, Research Policy Institute, Lund University (Sweden)

Merle Jacob is Professor in Research Policy at Lund University and the UNESCO Chair in Research Management and Innovation Systems. Merle is currently Director if the Research Policy Institute at Lund University’s School of Economics and Management. Merle has previously been Director for the Centre for Technology, Innovation and Culture and the University of Oslo (09/2006-08/2010) and Professor at the Copenhagen Business School.

Professor Jacob’s research specialisation is the relationship between science and policy. Her two specific areas of empirical focus are research and innovation policy and environmental policy. She has published extensively in both areas and is especially interested in the governance of higher education and research and the challenges posed to governance by globalisation and the integration of innovation into the mission of university.

11:15 RESEARCH AND INNOVATION IN THE HEALTH SCIENCES

Professor Warwick Anderson
CEO, National Health and Medical Research Council

Professor Warwick Anderson is the Chief Executive Officer (CEO) of NHMRC, Australia’s major governmental funding body for health and medical research. Previously, he was Head of School of Biomedical Sciences at Monash University and Deputy Director of the Baker Medical Research Institute, following research fellowships at the University of Sydney and Harvard Medical School.

Professor Anderson obtained his PhD from the University of Adelaide. His research has focused on renal causes of hypertension, including the roles of renal vascular remodeling, renal innervation and the renin-angiotensin system. He has published over 170 peer review articles.

Professor Anderson is a member of the Prime Minister’s Science Engineering and Innovation Council, a Board member of the Global Alliance for Chronic Disease, a member of Heads of International (Biomedical) Research Organisations and of the National Lead Clinicians Group. He is an Honorary Fellow of the Royal College of Pathologists of Australasia and an International Fellow of the American Heart Foundation. He was made a Member of the Order of Australia in 2005.

13:00 THE RESEARCH POLICY AND FUNDING ENVIRONMENT

Ms Leanne Harvey
Executive General Manager, Australian Research Council (ARC)

As Executive General Manager, Ms Leanne Harvey is responsible for the agency’s research policy and services.

She played a pivotal leadership role in developing and delivering Excellence in Research for Australia (ERA). Demonstrating the quality of ERA in 2010, the Organisation for Economic Co-Operation and Development (OECD) recognised the exercise as ‘state-of-the-art’.

Ms Harvey leads the ARC corporate services branch, which includes stakeholder relations, parliamentary, finance, human resources and facilities. Ms Harvey joined the ARC in March 2008, after transferring from the Department of Education, Science and Training due to Machinery of Government changes. Since then, she has led the ARC through a substantial reorganisation to better align the agency with current Government agendas.

Ms Harvey completed her education in regional New South Wales, graduating at the top of her school and holds a Bachelor of Business in Accounting from the now Charles Sturt University. She moved to providing policy analysis and advice regarding Australia’s research sector in 2004. Since joining the Australian Public Service in 1987, her career has seen her involved in social policy initiatives including leading the development of public sector conformance frameworks, taxation and child support reforms.
Ms Fabiana Barros de Barros
PhD Candidate, LH Martin Institute

Fabiana started her PhD candidacy at the LH Martin Institute in 2012. She holds a Master in Higher Education Policy and Management from the European Masters in Higher Education (HEEM), which was jointly awarded by the Universities of Oslo (Norway), Tampere (Finland) and Aveiro (Portugal), and a Bachelor degree from the Federal University of Pelotas, Brazil.

Fabiana has several years of professional experience in university and research management, including on international collaborative projects on building capacity, good practices exchange and professional development of university managers and leaders in developing countries. She has also worked in the European Union’s Community Research and Development Information Service (CORDIS).

Her current research interest and work at the LH Martin Institute explores the management of R&D and innovation and the growing necessity of higher education institutions to build capacity and professionalize highly competent university managers and leaders able to cope and thrive within this new panorama.

Professor Stuart Cunningham
Distinguished Professor of Media and Communications, Queensland University of Technology; Innovation Director, ARC Centre of Excellence for Creative Industries and Innovation

Stuart Cunningham is Distinguished Professor of Media and Communications, Queensland University of Technology, and Director of the ARC Centre of Excellence for Creative Industries and Innovation.

He is internationally recognised for his contributions to media, communications and cultural studies and for exemplifying their relevance to industry practice and government policy. He was elected as an inaugural fellow in Cultural and Communication Studies in the Australian Academy of the Humanities, and has served in several leadership roles in advocacy, advice and governance in research and higher education, and in the screen and library sectors.

CHAIR Ms Fabiana Barros de Barros
About the LH Martin Institute

The LH Martin Institute for Tertiary Education Leadership and Management was established with the support of the Australian federal government to improve management and leadership in the tertiary education sector by building capability and developing its academic and professional leaders.

What we do and how we do it

We provide the tertiary education sector with career and capability development through an integrated set of programs, events and projects.

Our programs are unique in that they:
- Are contextualised to the tertiary education sector;
- Provide practical examples that relate to participants’ own situations;
- Are led by practitioners in the field;
- Arm participants with tools which can be applied immediately to their workplace; and
- Are informed by the latest research and resources on the tertiary education sector.

Professional Development Subjects

We offer a number of our postgraduate award program subject as online standalone courses, enabling people to build capacity within their chosen area without undertaking a full Graduate Certificate or Masters program. Participants also benefit from interacting with a network of international peers facing similar challenges and gaining experts’ perspectives on the subject. Subjects include:
- Institutional Research in Tertiary Education;
- Managing International Tertiary Education;
- Leading and Managing Research.

Management Programs

Our management programs provide specific skills development and practical tools to enable participants to manage more effectively within their institution. Programs include:
- Enhancing Academic Workload Management;
- Having the Difficult Conversation;
- Budgeting and Financial Management for Tertiary Education Managers;
- Managing and Influencing Organisation Change and
- Unlocking the Black Box: Understanding Industrial Relations.

Postgraduate Programs

The Institute’s online postgraduate programs are awarded by The University of Melbourne through the Melbourne Graduate School of Education. They are professionally-oriented and provide the following benefits:
- Career development in tertiary education;
- Exposure to a network of local and international peers facing similar challenges;
- Expert perspectives on tertiary education systems in Australia and around the world; and
- Access to the latest resources and research on the sector.

Leadership Programs

Our leadership programs are designed to build the capabilities of current and aspiring leaders of tertiary education institutions. They explore leadership challenges and opportunities, such as for leading change and the implementation of institutional strategy.
- Emerging Leaders and Managers Program
- Tertiary Education Leadership
- Leading Universities

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