

Fostering Creativity and Innovation

Convenors:

Professors Leon Mann and Janet Chan

Creative and innovative solutions are required for the new social, economic and environmental challenges we face at the national and global levels.

The 2008 Symposium will focus on what the social sciences can contribute to the broader debate about how Australia can become more creative and innovative. Contributions from the sciences, technology and the humanities will also be examined.

A panel of leaders involved in the 2008 Government review of the national innovation system will discuss the issues and recommendations stemming from the review. Another panel will discuss innovation in higher education, a core component of the creativity-innovation system.

Other questions to be addressed at the Symposium include:

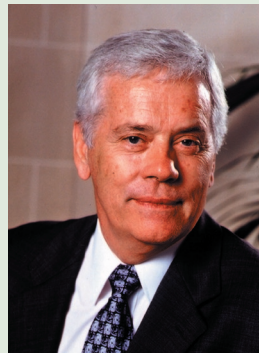
- What new knowledge has social science research and research from other disciplines produced about creativity and innovation?
- What lessons can be learned from Australian efforts to foster innovation?
- What more can public policy do to foster creativity and innovation?

Cunningham Lecture 2008

Professor Barry McGaw AO, FASSA

Building a world-class curriculum for Australian schools

Barry McGaw is Director of the Melbourne Education Research Institute at the University of Melbourne and Chair of the National Curriculum Board charged to develop curriculum for K-12 in English, mathematics, the sciences and history. He was previously Director for Education at the Organisation for Economic Co-operation and Development (OECD) in Paris, Executive Director of the Australian Council for Educational Research and Professor of Education at Murdoch University. He is a Fellow of the Academy of the Social Sciences in Australia, the Australian Psychological Society, the Australian College of Educators and the International Academy of Education. Barry was appointed an Officer in the Order of Australia in 2004. His research interests include educational measurement, curriculum and assessment in upper secondary education and policies to enhance equity in education.



Fellows' Colloquium

The Social Sciences, the policy process and the wash-up from the Australia 2020 Summit

Convenors: Professors Glyn Davis and Joshua Gans and Ms Jenny McGregor

Monday 17 November, 7:30 - 9:00pm

Drawing Room, University House

The Australian National University



Academy of the Social Sciences in Australia
Promoting the Social Sciences

Symposium 2008

Fostering Creativity and Innovation



18 November 2008
Shine Dome, Canberra



Academy of the Social Sciences in Australia
GPO Box 1956 Canberra ACT 2601
Tel 02 6249 1788 • Fax 02 6247 4335
Email assa.secretariat@anu.edu.au

9:00 - 9:15 - President's Welcome.

Stuart Macintyre

9:15 - 9:30 - Introduction. Setting the agenda.

Leon Mann, Janet Chan

9:30 - 9:45 - What is creativity? What is innovation? How are they related?

Janet Chan

9:45 - 10:45 - Session 1. Panel Discussion: Fostering creativity and innovation in the higher education system.

Discussants: *Ian Chubb, Glyn Davis, Simon*

Marginson, Glenn Withers Moderator: *Gael Jennings*

10:45 - 11:15 - Morning tea

11:15 - 12:15 - Session 2. Panel Discussion: Fostering creativity and innovation in the national innovation system. A backwards look from 2020. What did we do? When?

Discussants: *Kim Carr, Mary O'Kane, Paul Kelly,*

Margaret Sheil Moderator: *Gael Jennings*

12:15 - 12:45 - Session 3. The Creativity/Innovation

Challenge. ASSA Panels meet to discuss and develop the most creative idea or initiative from their disciplines to help foster the creativity/innovation spark in Australia.

12:45 - 1:45 - Lunch

1:45 - 2:45 - Session 4. Panel Discussion: Creativity and innovation. Perspectives from science, technology, the arts and humanities.

Discussants: *Robert Williamson (AAS), Ron Johnston (ATSE),*

Stuart Cunningham (AAH), Peter Doherty (AAS)

Moderator: *Barry Jones*

2:45 - 3:30 - Session 5. Panel Discussion: How to foster creativity and innovation. Insights from the ARC Learned Academics research project.

Discussants: *Leon Mann, Mark Dodgson, Jane Marceau*

Moderator: *Roy Green*

3:30 - 4:00 - Afternoon tea

4:00 - 4:30 - Session 6. The Creativity/Innovation

Challenge. ASSA Panels to present their recommendations for the most creative idea or initiative to help foster the creativity/innovation spark in Australia. Prizes announced at the Fellows' Dinner.

Moderator: *Peter Jonson*

4:30 - 4:40 - Concluding remarks.

Leon Mann, Janet Chan

4:45 - 5:30 - President's Drinks at the Dome

5:30 - 6:30 - Cunningham Lecture

Senator the Hon Kim Carr was born at Tumut, New South Wales, in 1955. After schooling in New South Wales and Victorian state schools he moved on to the University of Melbourne, where he completed a B.A. (Hons), M.A. and Dip. Ed. He was elected to the Senate in 1993. Following Labor's election victory last November, he was sworn in as Minister for Innovation, Industry, Science and Research on 3 December 2007.

Professor Janet Chan FASSA is a Professor at UNSW. She is the chief investigator of two ARC funded research projects on creativity: a longitudinal study of creative artists (with N. Brown), and case studies of collective creativity among research scientists and collaborations between new media artists and computer scientists. Together with Leon Mann, she heads the ARC LASP project on social science perspectives of creativity and innovation.

Professor Ian Chubb AC began his university career as a neuroscientist. He is currently Vice-Chancellor of The Australian National University and has many years experience in chancellery positions at Flinders University, Monash University and University of Wollongong. Ian was previously Chair of the Group of Eight universities and the Higher Education Council.

Professor Stuart Cunningham FAHA is Director of the ARC Centre of Excellence for Creative Industries and Innovation, Queensland University of Technology. This centre draws on contributions across the humanities, creative arts and social sciences to help build a more dynamic and inclusive innovation system in Australia. Stuart is President of the Council for Humanities, Arts and Social Sciences to October 2008.

Professor Glyn Davis AC FASSA has a background in public policy and political science, and has written widely on policy and governance. Glyn is Vice-Chancellor of the University of Melbourne with previous positions as Vice-Chancellor of Griffith University and Foundation Chair of the Australia and New Zealand School of Government.

Professor Mark Dodgson FASSA is Director of the Technology and Innovation Management Centre at the University of Queensland Business School. Mark specialises in the study of innovation management and policy, and is currently studying the ways in which the innovation process is changing. He has been an advisor to numerous government agencies around the world and is founding director of the Think, Play, Do Group.

Laureate Professor Peter C. Doherty AC, FAA, FRS shared the Nobel Prize in Physiology or Medicine in 1996 with Swiss colleague Rolf Zinkernagel, for their discovery of how the immune system recognises virus-infected cells. Peter was Australian of the Year in 1997, and has since been commuting between St Jude Children's Research Hospital in Memphis and the Department of Microbiology and Immunology at the University of Melbourne.

Professor Roy Green is Dean of the Macquarie Graduate School of Management. He is a graduate of the University of Adelaide with a PhD in economics from the University of Cambridge, and has worked with universities, business and government in Australia and overseas. Most recently, Roy headed the Federal Government review of the Textiles, Clothing and Footwear industries.

Dr Gael Jennings is a multi-award winning television science and medical journalist, radio and television current affairs presenter, and a consultant, author and speaker. Currently with ABC TV as Development Producer, Gael works with film-makers and ABC TV in developing ideas and projects within the areas of science, history, society, religion and Indigenous issues.

Professor Ron Johnston FTSE is the Executive Director of the Australian Centre for Innovation at the University of Sydney. Ron works to promote understanding of how science and technology can contribute to economic and social development, the processes and culture of innovation and the challenges associated with emerging techno-economic advances. Ron has published in the area of science and technology policy and innovation, and has worked for major international organisations and the Governments of 38 countries.

The Hon Dr Barry Jones AO, FASSA, FAHA, FTSE, FAA, FRSA, FRSV, FACE, FAIM is a Professorial Fellow at University of Melbourne and has been a politician, writer, teacher, quasi-diplomat, lawyer, heritage administrator and public intellectual who has been elected as a Fellow of all four Australian Learned Academies. Barry was a Victorian State MP, Federal MP for Lalor, became Australia's longest surviving Science Minister and represented Australia at UNESCO in Paris.

Dr Peter Jonson FASSA, FAICD is a professional director and economist and often works to help scientists and technologists produce commercial outcomes from their research. Peter is a director of National Forum, Chair of the Federal Government's CRC Committee, Founding Chair of Australian Institute for Commercialisation and Chair Emeritus of the Melbourne Institute Advisory Board.

Dr Paul Kelly FASSA is Editor at Large at *The Australian*. He writes on Australian and international issues and has been a visiting lecturer at the Weatherhead Center for International Affairs at Harvard. Paul specialises in and writes regularly on Australian public policy, politics, history and international relations. His research focuses on economic, social and foreign policy outcomes for Australia during the Keating and Howard periods.

Professor Leon Mann FASSA is a Professorial Fellow at the University of Melbourne and Director of the Centre for R&D Leadership. He taught at Melbourne Business School where he held the Pratt Family Chair of Leadership and Decision Making. Leon is a past President of the Academy of the Social Sciences (2000-2003) and was elected Honorary Fellow in 2006. He was President of the Australian Psychological Society. Leon holds a Visiting Flagships Fellowship with CSIRO for 2007-2008.

Professor Jane Marceau FASSA is Visiting Professor at the City Futures Research Centre, University of New South Wales. Although retired, Jane continues to be a frequent consultant and policy advisor to governments and business in Australia. Her work on innovation, notably *The High Road or the Low Road? Alternatives for Australia's Future* (1997, with K. Manley and D. Sicklen), was the major catalyst for the national debate on innovation in Australia.

Professor Simon Marginson FASSA, FACE, FACEL is Professor of Higher Education at the University of Melbourne. Simon works in sociology and policy studies in relation to higher education, and comparative and international education in the global environment. Current projects are focused on international students, globalisation and higher education, university strategies in the Asia-Pacific region, and creativity and knowledge forming institutions.

Emeritus Professor Mary O'Kane FATSE is a company director and Executive Chairman of Mary O'Kane & Associates Pty Ltd, a company that advises governments, universities and the private sector on innovation, research, education and development. Mary was previously Vice-Chancellor of the University of Adelaide. She serves on several boards and committees, specialising in high technology commercialisation, national research strategies and higher education policy.

Professor Margaret Sheil FRACI is CEO of the Australian Research Council. She was Deputy Vice-Chancellor (Research) at the University of Wollongong (UW) from 2002-7, following on from positions as Dean of Science and Professor of Chemistry at UW. She has been a director of a number of CRCs and technology start-up companies. Margaret is a member of National Collaborative Research Infrastructure Strategy Committee, the Cooperative Research Centres Committee and The Prime Minister's Science, Engineering and Innovation Council.

Professor Bob Williamson AO, FAA, FRS became Professor of Molecular Genetics and Biochemistry at St Mary's Hospital Medical School, Imperial College London, in 1976. Bob was Director of Melbourne's Murdoch Institute and Professor of Medical Genetics, retiring in 2004. He worked on genes for thalassaemia, craniofacial abnormalities, cystic fibrosis, myotonic dystrophy and Alzheimer disease. He takes a major interest in national science policy and ethics.

Professor Glenn Withers AO, FASSA is Chief Executive Officer of Universities Australia. He was previously Professor of Public Policy at the Australian National University and the Australia and New Zealand School of Government and Head of the Economic Planning Advisory Commission under the last Labor Government. Glenn works on applied economics and policy analysis.