

International Conference  
**THE CLOSING WINDOW: IMPLEMENTING EFFECTIVE CLIMATE POLICIES**  
Wednesday 7 September 2011

Workshop  
**THE CLEAN TECHNOLOGY REVOLUTION, AUSTRALIA AND CHINA**  
Thursday 8 September 2011

**Victoria University, City Convention Centre, Melbourne**

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**KEYNOTE SPEAKERS**

Dr Jiang Kejun, Energy Research Institute, National Development and Reform Commission (NDRC), China  
Dr Stefan Speck, European Union's Environmental Agency (EEA), EU  
Mr James Goldstene, California Air Resources Board (ARB), USA  
Dr Lee Sang-Hun, Hanshin University, Korea  
Dr Steven Kennedy, Department of Climate Change and Energy Efficiency  
The Hon. Richard Alston, Australia China Business Council, CQS Australia & NANUK Asset Management  
Mr Drew Clarke, Departmental Secretary Australian Department of Resources, Energy and Tourism  
Prof. Peter Dawkins, Vice Chancellor Victoria University

**CHAIRS**

Prof. Peter Dawkins, Vice Chancellor, Victoria University  
Mr George Pappas, Chancellor, Victoria University  
The Hon. Lindsay Tanner, Vice-Chancellor's Fellow, Victoria University

**SPEAKERS**

Mr Michael Bachelard, The Sunday Age  
Dr Marcel Bick, CSIRO  
Dr Alex English, Victoria University  
Mr Nathan Fabian, Investor Group on Climate Change  
Mr Ivor Frischknecht, Starfish Ventures  
Prof. John Freebairn, University of Melbourne  
Mr Michael Hitchens, Australian Industry Greenhouse Network  
Mr Tai Hollingsbee, GHD  
Mr Erwin Jackson, The Climate Institute  
Mr Rob Jolly, Carbon Market Economics  
Prof. Roger Jones, Victoria University  
Dr Frank Jotzo, Centre for Climate Economics & Policy, ANU  
Mr Tony Maher, Construction, Forestry, Mining and Energy Union (CFMEU)  
Mr Bruce Mountain, Carbon Market Economics  
Dr David Ness, Ecological Development Union International  
Prof. Peter Sheehan, Victoria University  
Dr Kim Sweeny, Victoria University  
Mr Kane Thornton, The Clean Energy Council  
Dr Zhuang Xing, Energy Research Institute, NDRC, China

## KEYNOTE SPEAKERS

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### **Dr Jiang Kejun, Director for Research, Energy Research Institute (ERI)**

Dr Kejun is an influential Chinese Government climate policy adviser, emissions forecasting expert, coordinating lead author of the IPCC's 2014 Fifth Assessment Report and was lead author of the IPCC's Fourth Assessment Report. ERI is a key Chinese government energy policy and analytical agency at the forefront of China's plans to shift to a low carbon plan of development. ERI is under the National Development and Reform Commission (NDRC), China's leading policy implementation body with overall responsibility for energy policy and climate change.



### **Dr Stephan Speck, Project Manager Environmental Economics and Policies, Integrated Environmental Assessment Programme, European Environment Agency (EEA),**

Dr Speck is an environmental economist and expert in the field of environmental economic instruments, in particular energy and carbon taxes. He Previously, he was a senior consultant at Kommunalkredit Public Consulting in Austria and as a senior project scientist at the National Environmental Research Institute/University of Aarhus in Denmark within the EU-funded project 'Competitiveness effects of environmental tax reforms' (COMETR). He also contributed to the research project 'Resource Productivity, Environmental Tax Reform and Sustainable Growth in Europe' funded by the Anglo-German Foundation.



### **Mr James Goldstene, Executive Officer, California Air Resources Board**

James Goldstene is also co-chair of the Western Climate Initiative Executive Committee. At ARB, Goldstene has pioneered California's ambitious climate change legislation, and developed a range of measures and regulations to implement this plan, including the groundbreaking Low Carbon Fuel Standard and the establishment of a greenhouse gas emissions-trading program. (by video link)



### **Dr Lee Sang-Hun, Associate Professor, Hanshin University, Korea**

Dr Sang-Hun was formerly director of the Energy and Industry Division of the Presidential Commission on Sustainable Development. Dr Lee has been closely involved in the development of Korea's national green growth strategies. He completed a PhD at the Graduate School of Environmental Studies at Seoul National University and is currently an academic at Hanshin University, Korea.



### **Dr Steven Kennedy, Deputy Secretary, Department of Climate Change and Energy Efficiency**

Steven Kennedy has executive oversight of climate change strategy and market instruments, and issues related to the land sector. Steven was previously Head of Secretariat of the Garnaut Climate Change Review – Update 2011. Steven worked for the Prime Minister of Australia, Julia Gillard during 2010 as the Director of Cabinet and Government Business. Steven has held a number of positions at the Australian Federal Treasury. He was the General Manager of the Infrastructure, Competition and Consumer Division advising the Government on microeconomic reform, competition policy and consumer affairs, housing and infrastructure policy. He was the General Manager of the Domestic Economy Division and responsible for preparing the Government's macroeconomic forecasts, and was Australia's representative at the OECD Economic Policy Committee.



**The Hon Richard Alston, ACBC and Director CQS Australia and Nanuk Asset Management**

Richard Alston is a non-executive director of UK listed public company Chime PLC and a director of Australian based companies CQS (Investment Management) Australia Pty Ltd, Nanuk Asset Management Pty Ltd and Balmoral Gardens Pty Ltd.

From 2005-08 he was Australian High Commissioner (Ambassador) to the United Kingdom and from 1996-2003 he was the Federal Minister for Communications, IT and the Arts in the Australian Parliament. He served as a Senator for Victoria from 1986-2004 and was Deputy Leader in the Senate for more than ten years.



**Mr Drew Clarke, Secretary, Commonwealth Department of Resources, Energy and Tourism**

Drew Clarke was appointed on April 2010. His previous position was Deputy Secretary with responsibilities across the three sectors. His earlier roles include Head of the Energy and Environment Division, where he was responsible for energy market reform, energy security and energy-related climate change policy, head of AusIndustry, the business program delivery agency, and leadership of science agencies. He was awarded a Public Service Medal in 2009 for his work in energy market reform and clean energy. He began his public sector career as a surveyor working in Australia and Antarctica.

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**CHAIRS**



**Prof. Peter Dawkins, Vice-Chancellor, Victoria University**

Prof. Dawkins became the third Vice-Chancellor and President of Victoria University on 19 January 2011. This followed six years in high level leadership roles for the Victorian Government, and 28 years in the university sector. He was Deputy Secretary of the Victorian Department of Treasury and Finance (2005-2006) and Secretary of the Victorian Department Education and Early Childhood Development (2006-2010).



**Mr George Pappas, Chancellor, Victoria University**

George Pappas was Senior Advisor of The Boston Consulting Group (BCG) having retired as a Senior Vice President in June 2002. Since May 2005, George has also been Chairman of the Committee for Melbourne. From 2003 until the end of April 2005, he was engaged on a part-time assignment as Under Secretary in the Department of Premier and Cabinet (Victoria).



**The Hon Mr Lindsay Tanner, Vice-Chancellor's Fellow, Victoria University**

Lindsay Tanner is Special Advisor to Lazard. He is a former Australian member of the House of Representatives having first won the seat of Melbourne at the 1993 federal election. He was a member of the Australian Government from 3 December 2007, serving as the Minister for Finance and Deregulation. He has written several books and been an outspoken commentator on Australian culture and the direction and role of the Labor Party.

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## SPEAKERS

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**Mr Michael Bachelard, Senior Reporter, The Sunday Age**

Michael Bachelard joined The Age's investigative team in 2006, covered workplace relations until the 2007 Federal election, and moved to The Sunday Age in April, 2008 as a senior reporter. In 2005 he was awarded a Jefferson Fellowship in journalism, and travelled to the US, China and Japan. He won a Quill award in 2008 for Best News Report in Print. In 2008, Michael won the Melbourne Press Club Quill Award for Best News Report for his series on WorkChoices.

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**Dr Marcel Bick, BD Manager, AEC, CSIRO Future Manufacturing Flagship**

Marcel Bick rejoined CSIRO as BD Manager of Advanced Engineered Components (AEC) in late 2010. AEC's innovation focus is on vehicle electrification, light weighting and detectors and sensing systems. Between 2008 and 2010 he was Marketing Manager with Heraeus, Germany, a global manufacturer of materials with strong presence in China. Prior to this he worked with CSIRO on smart sensing technologies for over 6 years.

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**Dr Alex English, Postdoctoral Research Fellow, Centre for Strategic Economic Studies (CSES)**

Alex English was previously Assistant Professor in the Department of Geography and Resource Management at the Chinese University of Hong Kong. From 2001 to 2006, he was lecturer/tutor at the University of Melbourne (Geography and Environmental Studies) in 'Environmental Politics and Management', 'Project Management', 'Famine', 'Australia and Asia', 'China in Transition' and 'Chinese Politics and Society'. His research interests include: China in transition, environmental governance, and sustainable development and climate change.

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**Mr Nathan Fabian, CEO, Investor Group on Climate Change (IGCC)**

IGCC is responsible for investments totalling \$600 billion. Prior to joining IGCC in 2009, he has worked in the consulting, financial services and IT sectors. Nathan Fabian is a member of the Federal Government's Business Roundtable on Climate Change, a director of the Thermometer Foundation for Social Research on Climate Change, a founding member of the International Young Professionals Foundation, a Vincent Fairfax Fellow and a member of Finsia's Sustainability Advisory Council.

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**Ivor Frischknecht, Starfish Ventures, Investment Director**

Ivor Frischknecht joined Starfish Ventures in 2005 after 15 years of hands-on management and investing experience. His focus is on cleantech investment companies that develop energy, water and environmental technologies. He also brings to the investment team considerable operational management experience in software and the internet.

Prior to joining Starfish, Ivor was a Director of the New Ventures Group at Idealab, a California-based firm that incubates and invests in early stage technology companies. Preceding Idealab, Ivor was a senior operating executive, including CEO, of several Silicon Valley startups in the energy technology, enterprise software and the Internet sectors.

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**Prof. John Freebairn, Ritchie Chair, The University of Melbourne**

John Freebairn previously was Head of the Department of Economics, from 1997 to 2002 and Director of the Melbourne Institute from 2005 to 2007. John joined Monash University in 1986 as Deputy Director in the Centre of Policy Studies. In 1991 he moved to the Department of Economics and at various times was Chairman of the Department and Deputy Dean and Dean of the Faculty. From 1984 until 1986 John was Research Director at the Business Council of Australia. The Ritchie Chair was founded by R.B. Ritchie in memory of his son who had been killed in World War I.

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**Mr Michael Hitchens, CEO, Australian Industry Greenhouse Network**

Michael Hitchens was appointed the Chief Executive Officer of the Australian Industry Greenhouse Network (AIGN) in January 2008. AIGN's members account for around 90% of Australia's mining, manufacturing and energy production greenhouse gas emissions. Prior to joining the AIGN, he was a Senior Consultant with ACIL Tasman for 11 years. Michael attended the UNFCCC Conference of the Party meetings from 1999 to 2003 during which time the final rules of the Kyoto Protocol were negotiated. Most recently he attended the Poznan, Copenhagen and Cancun meetings.

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**Mr Tai Hollingsbee, Principal, GHD**

Tai is a Principal at GHD, an international technical services consultancy serving the global markets of Water, Energy, Resources, Environment, Property and Buildings, with a wide ranging portfolio of work that includes clean and renewable energy projects, sustainable built environments and low carbon buildings. Tai is a specialist in the design of high performance buildings that strive towards a zero carbon foot print. As an engineer with expertise in architectural science, he has extensive international experience across a range of landmark projects with world leading architects. He leads the Building Sustainability Group at GHD in Melbourne.



**Mr Erwin Jackson, Deputy Chief Executive, Climate Institute**

Erwin Jackson has two decades of experience developing and leading many national and international programs aimed at reducing greenhouse pollution as well as advising government and business in national, regional and international forums, including being a non-governmental expert reviewer of the reports of the UN's Intergovernmental Panel on Climate Change. He has sat on research advisory committees on low emission technology deployment for the CSIRO and the University of Queensland's Centre for Low Emission Technology. He is currently a member of the Victorian Premiers Reference Group on Climate Change.



**Mr Rob Jolly, Director, Carbon Markets Economics**

Rob Jolly is a Director of CME. and is an environmental economist specializing in the economics of renewable energy, waste management and greenhouse gas reduction. He has worked in the field of environmental economics since 1990, providing advice on policy development, strategic planning and carbon market analysis. Rob was Treasurer of the State of Victoria from 1982 to 1990.



**Prof. Roger Jones, Professorial Research Fellow, Centre for Strategic Economic Studies (CSES), Victoria University**

Roger Jones is a leading Australian climate scientist, and a Coordinating Lead Author of the IPCC Fifth Assessment Report. He now applies an interdisciplinary focus to understanding climate change risk, bridging science, economics and policy, and has contributed to the Australian Climate Change Adaptation Strategy and the United Nations Development Program Adaptation Policy Frameworks. He was a Coordinating Lead Author of the IPCC Fourth Assessment Report, technical adviser to the Garnaut Review and to the Australian Treasury, and was formerly with CSIRO.



**Dr Frank Jotzo, Australian National University (ANU)**

Dr Jotzo is Director of the ANU Centre for Climate Economics and Policy and Deputy Director of the ANU Climate Change Institute. He was advisor to the Garnaut Climate Change Review, advisor to Indonesia's Ministry of Finance, consultant to the World Bank, and is a Lead Author of the Fifth Assessment Report by the Intergovernmental Panel on Climate Change.

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**Mr Tony Maher, National President, CFMEU Mining and Energy Division**

Mr Maher has been General President of the Mining and Energy Division since August 1998. Prior to that he held various positions in one of the CFMEU's predecessor unions the Federated Engine Drivers and Firemen's Association (FEDFA). Since 2006 Tony has led the unions work on Climate Change. In 2008 he was appointed chair of the ACTU Climate Group. He has been appointed to the Commonwealth Governments Carbon Capture and Storage Taskforce and the Prime Ministers Energy Efficiency Advisory Group. In 2010 he was appointed to represent unions on the Federal Government Roundtable on Climate Change.



**Mr Bruce Mountain, Director, Carbon Markets Economics**

Bruce Mountain is a Director of CME, and is a management consultant specialising in energy and network economics, policy and strategy. For most of his career he has worked as a consultant to governments, regulators, energy producers, consumers, investors, lenders and peak bodies in Australia and internationally.



**Dr David Ness, Head, Ecological Development Union International**

The Ecological Development Union International is a not-for-profit international association that seeks to integrate environmental improvements with socio-economic development, transferring know-how, technologies and resources from the developed world to emerging economies in Asia/SE Asia. Dr Ness is also Adjunct Senior Research Fellow, Division/Portfolio: Division of Information Technology, Engineering and the Environment, University of South Australia, and Vice Dean Of Institute for Ecological Development International, Beijing.



**Professor Peter Sheehan, Director, Centre for Strategic Economic Studies (CSES), Victoria University**

Peter Sheehan has been founding Director of the CSES since 1993. Much focus of his recent research has been on the implications of industrialisation in developing countries, in the context of rapid technological and structural change, on the future prospects of global warming and climate change. He was previously an advisor to the Australian and Victorian Governments and Director General, Department of Management and Budget (Victoria) from 1982 to 1990.



**Dr Kim Sweeny, Principal Projects Officer, Centre for Strategic Economic Studies (CSES), Victoria University**

Kim Sweeny specialises in the strategic analysis, assessment and development of innovation. With previous experience in the assessment of biomass to fuel and new battery technologies, as well as carbon offset opportunities, Kim is currently working on the development of carbon reduction strategies for the automotive industry. From 1993-2000 Dr. Sweeny was General Manager, Service Industries of the Strategic Industry Research Foundation Ltd (SIRF), a company established by the Victoria Government to develop and manage technology related products.



**Mr Kane Thornton, Director, Strategy and Operations, Clean Energy Council**

The Clean Energy Council, Australia's peak body for the renewable energy and energy efficiency industry. Kane Thornton specialises in strategic policy advice on renewable energy, emissions trading and climate change policy and was previously a manager and senior advisor for Hydro Tasmania, Australia's largest renewable energy generator. Kane is a member of a number of renewable energy and climate change related advisory boards for a variety of government and industry organisations. Kane was previously the Executive Officer of the Renewable Energy Generators Australia.

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**Dr Zhuang Xing, Associate Research Professor, Energy Research Institute, NDRC, Beijing**

Zhuang Xing is part of the Energy System Analysis Research Center of ERI, NDRC. She mainly works on policy research for energy and renewable energy policy analysis and assessment as a research member of Integrated Policy Assessment Model for China (IPAC) team. Currently, Dr Zhuang's research on climate change and energy policy focuses on energy conservation and renewable energy technology policy assessment, low carbon energy plan and policies, and the Sector Base Approach on electric power and transport industries. Projects she has completed in recent years include, for example, Low Carbon Energy Development for Jilin City, Shenyang City, Hainan province, Hong Kong, and the Policy and Technology Roadmap for Electric Vehicle.

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