

## Carlton Connect Conference 2014: Challenges, Partnerships, Solutions



### Overview

Dates: 30 September – 2 October, 2014

Venue: Sidney Myer Asia Centre, University of Melbourne, and surrounding locations

The Carlton Connect Conference is a 2.5 day event featuring keynote lectures, panel discussions, networking events and a public lecture, organised around the theme of *Challenges, Partnerships, Solutions*. The Conference is preceded by half-day specialised workshops that enable attendees to take a deep dive into specific thematic areas, so that the main Conference can take a broader perspective and focus on exploring connections *across* thematic boundaries.

### Background

The Carlton Connect Initiative is an ambitious strategy to unite talented people who share a desire to tackle some of our biggest sustainability and social resilience challenges and a passion for designing new ideas and technologies to help secure Australia's prosperity.

Located in the burgeoning South Carlton Precinct, the Carlton Connect Initiative provides a foundry and meeting place for its world-class research and development neighbours. The Innovation District is also home to unparalleled ICT infrastructure and capability.

Presenting a biennial conference, the intention is to bring together industry, government and academia to highlight and debate approaches to some of society's most complex resilience and sustainability challenges and the innovation and solution-driven partnerships required to solve these issues at the local, national and global levels.

The conference is a strategic enabler for the University of Melbourne's knowledge transfer and engagement objectives as articulated in Growing Esteem.

### Conference Objectives

- To bring together talented people from government, industry and academia to build stronger **social networks** as they discuss shared challenges.
- To **showcase** innovative approaches to tackling problems that are currently being used, and to use these as a stimulus to explore possible approaches for the future
- To build the profile of the Carlton Connect Initiative and its role as a **platform** for enabling collaborative work of this type which is anchored in South Carlton
- To foster the formation of **new coalitions and partnerships** that can work together to take forward the ideas and approaches that are explored at the conference.

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DAY 1   Tuesday 30 September		
	<b>Specialist workshops and meetings associated with the Carlton Connect Conference</b>	
9.00am – 3.00pm	<b>Best Practice in Data Journalism (29 and 30 September)</b>	<b>New Approaches to Disaster Management</b>
	<b>Sustainable Intensification of Food Production Primary Industries Climate Change Centre</b>	<b>Water Knowledge Hubs: Application of the Water Blueprint to Asia Australia-China Joint Water Research Centre for River Basin Management</b>
	<b>Managing the Space Beneath the Ground: Towards a shared collaborative research agenda for Sedimentary Basin Management</b>	<b>The Eighth Workshop on the Social Implications of National Security: Remotely Piloted Airborne Vehicles and Related Technologies</b>
	<b>3pm Conference Registration</b>	
Abstract:	The Carlton Connect Conference will convene to consider how partnerships at the nexus of Academia-Industry-Government can be leveraged to more effectively respond to challenges of sustainability and resilience at the local, national and global level through the driving of innovative and technological solutions that will secure better future for all.	
4pm	<p><b>Opening Session</b>  <b>Bringing the Future Closer: Global Challenges, Big Opportunities</b>  <b>Dr Charlie Day, Project Director, Carlton Connect Initiative</b>            Challenges, Partnerships, Solutions</p> <ul style="list-style-type: none"> <li>• Welcome, Carlton Connect and Conference Overview</li> </ul> <p><b>Uncle Colin Hunter Jnr. ,Wurundjeri Elder of the Kulin Alliance, Community Planner – Aboriginal Partnership, Yarra City Council and Wurundjeri People, Kulin Nation</b></p> <ul style="list-style-type: none"> <li>• Welcome to Country</li> </ul> <p><b>Robert Doyle, Lord Mayor of Melbourne</b></p> <ul style="list-style-type: none"> <li>• The City of Melbourne and its role in the C40 in meeting the local and global challenges</li> </ul> <p><b>Oliver Yates ,CEO, Clean Energy Finance Corporation</b></p>	
Abstract:	As the implications of climate change become increasingly apparent, cities need to plan urban systems that are resilient and sustainable. The opening session explores how three of the most urbanised nations in the world, Australia, Brazil and Chile, are tackling global climate change through locally-led projects and policy initiatives.	
5pm – 6:30pm	<p><b>Session One: Towards Sustainable, Zero Carbon Cities</b>  <b>Chair: Professor Brendan Gleeson, Director, Melbourne Sustainable Society Institute (MSSI)</b></p> <p><b>Panellists:</b>            Krista Milne – Manager Sustainability, City of Melbourne            Chris Derksema – Sustainability, City of Sydney (TBC)            Ms Petra Shelton-Zumpano Technical Adviser, Instituto Pereira Passos (IPP)            Professor Paul Burton, Urban Research Program , Griffith University</p>	
6.30- 8pm	<b>Cocktail Party, Yasuka Hiraoka Room : Toast to Partnerships at the Nexus of Industry, Government and Academia:</b>	
<b>END OF DAY 1</b>		

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DAY 2   Wednesday 1 October	
Abstract:	With its growing population and development, meeting the energy needs of Asia provides a complex insight into the balance between socioeconomic development and the energy demands that drive socioeconomic development. This session will examine the current and future energy needs of the Asian region and explore the challenges in how these needs will be met.
9.00am – 10.20am	<p><b>Session Two:</b>  <b>Asia Pacific Energy and Resources – Finite Supply, Growing Demand</b>  <b>Chair: Dr John Dore</b> - Senior Water and Energy Advisor Asian Region, DFAT</p> <p><b>Key Notes:</b></p> <ul style="list-style-type: none"> <li>• Anthony J. Jude, Chair, Energy Committee, Asian Development Bank - Meeting the challenges of Asia's energy demand</li> <li>• Professor Peter Scales, Deputy Dean of the Melbourne School of Engineering, The University of Melbourne - Emerging Issues in Water Resources Management: The Australia-China Water Partnership</li> </ul>
10.20am – 11.00am	MORNING TEA
Abstract:	Despite its abundant energy resources, Australia is facing significant challenges in providing secure, affordable and environmentally sustainable energy services. This session will outline the key challenges and emphasise the potential for partnerships between government, industry and research organisations to form a coordinated and consistent approach to meeting these challenges.
11.00am – 12.20pm	<p><b>Session Three: Options for Our Future Energy Mix</b>  <b>Chair: Lara Olsen, Head of Strategy, Australian Renewable Energy Agency</b></p> <p><b>Speakers</b></p> <ul style="list-style-type: none"> <li>• Prof Mike Sandiford, Director, Melbourne Energy Institute</li> <li>• Mr Tony Wood, Grattan Institute: Creating low carbon energy supply</li> <li>• Mr Peter Cowling, GM Renewable Sales, GE Energy Asia Pacific</li> </ul>
12.20pm – 1.25pm	Lunch
Abstract:	Since the start of the century, natural and manmade disasters have resulted in untold human and societal tragedy. This session will explore the details and inter-linkage between six key priority areas and explore the intersection between the human and technological advances in driving effective next generation preparedness and response in disaster management.
1:25pm – 2.30pm	<p><b>Session Four: Risk and resilience – New Approaches to Disaster Preparedness and Response</b>  <b>Chair: Professor Abbas Rajabifard</b></p> <p><b>Key Note</b></p> <ul style="list-style-type: none"> <li>• Greg Scott, Inter-regional advisor, Global Geospatial Information Management, United Nations Statistics Division</li> </ul> <p><b>Panellists</b></p> <ul style="list-style-type: none"> <li>• Associate Professor Alan March: NDMRI</li> <li>• Victorian Disaster Management Commissioner (TBC)</li> <li>• Dr. Juerg von Kaenel, senior manager of the IBM Research Australia lab in Melbourne (TBC)</li> <li>• Mr. Robert Jensen, Principal Deputy Assistant Secretary for Public Affairs, Department of Homeland Security, USA</li> </ul>
2.30 – 2.40pm	Quick changeover
Abstract:	In this century of digital information, an increasing amount of data is available to consumers, governments and industries with increasingly less regulatory structure or censorship. This session will introduce the ethical dimensions associated with the use and availability of big data sets in world of pervasive information and communication.
2.40pm – 3.30pm	<p><b>Session Five: The Human Dimensions of Big Data: Risks and Opportunities</b>  <b>Chair: Associate Professor Margaret Simons</b>, Director, Centre for Advancing Journalism, UoM</p> <p><b>Key Note Addresses:</b></p> <ul style="list-style-type: none"> <li>• Professor Richard Sinnott, Director, eResearch, The University of Melbourne</li> <li>• Dr Jodie McVernon, The University of Melbourne --How can our experience with medical ethics inform our approach to Big Data?</li> </ul>
3.30PM – 4PM	AFTERNOON TEA
Abstract:	This session outlines the expected approach that countries and their governments, industries and communities must take to increase emissions reduction ambitions and understand what role Australia and European countries will play to encourage the rest of the world to start their

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	decarbonisation path and to feed into the next Conference of Parties in Paris 2015.
4PM – 5:30PM	<p><b>Session Six: Climate Change: Towards the Conference of Parties in Paris 2015</b> ##Deputy Head of Mission, German Embassy: Celebration of the First Year anniversary of the Australian-German College <b>Chair: Cathy Alexander</b>, Research Fellow (research translation), Melbourne Sustainable Society Institute and former environmental journalist</p> <ul style="list-style-type: none"> <li>• Associate Professor Malte Meinshausen – Australian-German College of Climate and Energy and Honorary Senior Research Fellow at the School of Earth Sciences</li> <li>• Kath Rowley, General Manger, Climate Change Authority</li> <li>• Professor Don Henry –Public Policy Fellow for Environmentalism, Melbourne Sustainable Society Institute and Chief Executive Officer of the Australian Conservation Foundation (ACF)</li> <li>• Professor Kate Auty, Vice Chancellor’s Fellow and former Victorian Government Commissioner for Environmental Sustainability</li> <li>• Ariadne Gorrington, Manager, Land and Sea Unit Manager, Kimberley Land Council, Western Australia</li> </ul>
5.30PM-6PM Set Up for Public Event	
Abstract:	There is a critical need for an integrated approach to understanding and managing sedimentary basins, as their subsurface resources are crucial to agricultural productivity, energy, water, waste and ecosystem management. This exciting public lecture and Q&A will offer an opportunity to question and conduct dialogue with key figures and stakeholders in sedimentary basins, featuring prominent voices from industry, policy-makers and academia.
6.00PM – 7:30PM	<p><b>Public Event: Managing the Space Beneath (Co-hosted by the Melbourne Energy Institute and the Grattan Institute)</b> Fracking, Groundwater, CO<sub>2</sub> Sequestration, Legal, Regulatory and Political perspectives <b>Moderator: Dr Paul Willis, Director, RiAus</b></p> <ul style="list-style-type: none"> <li>• Dr John White, Executive Director, Ignite Energy Resources</li> <li>• Brian Wyatt, CEO, National Native Title Council</li> <li>• Tony Wood, Grattan Institute</li> <li>• Ms Peta Ashworth, CSIRO</li> <li>• Dr Sara Bice, Research Fellow in the Centre for Public Policy, The University of Melbourne</li> <li>• Prof Rein Herber, Geo-Energy, University of Groningen, The Netherlands (VIA SKYPE)</li> <li>• Dr Charles Jenkins, CSIRO</li> </ul>
<b>END OF DAY 2</b>	
<b>DAY 3   Thursday 2 October</b>	
Abstract:	With world population projected to reach at least 8 billion by 2050 and increasing urbanisation and wealth of the Asian middle class, demand for high value foods is set to increase. Due to Australia’s proximity, strong ties and focus on sustainable production we are well placed to meet increasing demand in Asia and other developing nations. This session will explore the opportunities for collaborative research to address the challenges facing food production for growing populations.
9.00am-11am	<p><b>Session Seven:</b> <b>Making More Food with Less: Removing Impediments in global supply chains</b> <b>Chair: Professor Frank Dunshea (University of Melbourne)</b> <b>Key Note:</b> Professor Robert J van Barneveld (Ridley Corporation)</p> <ul style="list-style-type: none"> <li>• Challenges in Growing markets for Australia’s grains and livestock industries into Asia</li> </ul> <p>Panellist TBC from</p> <ul style="list-style-type: none"> <li>• <b>Trade-</b> Andrew Robb (Fed.) or Louise Asher (Vic)</li> <li>• <b>Animal production-</b> Enso Alari (APL) / Alex Ball (MLA)</li> <li>• <b>Government facilitation-</b> Drew Edwards/ Leanne Palmer (DAFF) or Greg Harper (DEPI)</li> <li>• Mr Rob Cumine, Technical Manager Agriculture/Animal Welfare, Quality Control (Coles)</li> <li>• Professor Robyn Warner, Faculty of Veterinary and Agricultural Science, University of Melbourne</li> <li>• <b>Asian perspective TBA</b></li> </ul>
11am – 11.30am	MORNING TEA
Abstract:	This session will look at innovation through the lens of geography and place-making. This session will explore the architecture, design, engineering and the social science considerations that are necessary when conceptualizing innovative and sustainable precincts that bring the best of

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	industry, government and academia together for effective innovation and problem solving.
11.30am – 12.45pm	<p><b>Session Eight:</b>  <b>Panel: Designing, Building and Growing Innovation Precincts in a Knowledge City</b>  <b>Chair: Rod Glover, Innovation Consultant &amp; Director, Centre of Excellence in Intervention and Prevention Science (CEIPS) and Rod Glover Consulting</b></p> <p><b>Speakers and panellists:</b></p> <ul style="list-style-type: none"> <li>• Robert Moore, Manager, Urban Design and Docklands Branch, City of Melbourne</li> <li>• Alex Lawlor, Senior Projects Manager, Chancellery Projects</li> <li>• Matthew Blair, Partner, BVN Donovan Hill</li> <li>• Peter Steele, Buildings AECOM</li> </ul>
12.45pm – 1.45pm	LUNCH
Abstract:	This session will examine the emerging technologies that are being developed and the impact these technologies will and could have on society. Technological advances in 3D printing, unmanned drones, nanotechnology, supercomputing, the internet and more are having dramatic implications for every day life across the globe. This session begins with a series of presentations that will give us a glimpse over the horizon to see what is coming and the interplay between technological advances and the pursuit of a sustainable and equitable future. The session will then turn to a fireside discussion featuring leading voices from startups, industry and government and explore how cutting edge technology is being taken into the market.
1.45pm – 3.20pm	<p><b>Session Nine:</b>  <b>Surveying the Technology Frontier and How Industry and Government are Taking Advanced Ideas To The Market</b>  <b>Chair: Dr Kate Cornick, Director, Industry Engagement and Innovation</b></p> <p><b>Speakers and panellists:</b></p> <ul style="list-style-type: none"> <li>• Mr Bernd Ploderer, Deputy Director, Microsoft Research Centre for Social Natural User Interfaces</li> <li>• Tim Marshall – Manager Public Affairs, Alcatel Lucent – The Internet of Things and your future</li> <li>• Professor Peter R Taylor, Director of the University of Melbourne led Victorian Life Sciences Computation Initiative (VLSCI)</li> <li>• Ben Spincer- Director Technology, Strategy and Innovation, Telstra</li> <li>• Leonie Walsh – Lead Scientist, Victorian Government</li> <li>• Rohan Workman - Melbourne Accelerator Program</li> </ul>
3.20pm – 4.00pm	AFTERNOON TEA
4.00pm – 5pm	<p><b>Closing Session: What have we learned and where are we going next?</b>  <b>Moderator: Dr Charlie Day</b></p> <p><b>Report back from Specialised Workshops and Meetings:</b>  <b>Rapporteur: Dr Nicholas Thomson, Conference Convenor, Carlton Connect, School of Population Health)</b></p> <p><b>Closing Panellists</b></p> <ul style="list-style-type: none"> <li>• Prof Jim McCluskey, Deputy Vice-Chancellor (Research), UoM</li> <li>• Dr. Juerg von Kaenel , senior manager of the IBM Research Australia lab in Melbourne (TBC)</li> <li>• Robert Johanson, Board Member, Carlton Connect Initiative</li> <li>• Councillor Arron Wood, Environment Chair, City of Melbourne</li> </ul>
5pm	Cocktail Party – venue tba
	<b>END OF DAY 3</b>