

08.30 – 08.55 CONFERENCE REGISTRATION – NEWCASTLE CITY HALL FOYER

08.55 - 09.00 MC OPENING / WELCOME TO DAY 2

09.00 – 09.55		OPENING PLENARY - SPONSORED BY BEYOND ZERO EMISSIONS	Page
		Concert Hall Keynote Speakers	
09.00 - 09.15		May Ngui, Director, GHD, Smart Transportation – it's not just about the technologies, it's what you do with them that counts	44
09.15 - 09.30		Jamil Khan, School of Electrical Engineering and Computer Science, The University of Newcastle, Energy efficient ICT infrastructure for future smart city deployments	45
09.30 - 09.45		Stephen Bygrave, CEO, Beyond Zero Emissions, Going beyond zero emissions in energy, transport and buildings	46
09.45 - 09.55		Question Time	

09.55 - 10.25 NETWORKING AND MORNING TEA

10.25 - 12.40		Future Transport Cummings Room – First Floor	Clean Energy Hunter Room – Second Floor	Innovation & Emerging Technologies in the Built Environment Concert Hall – First Floor
10.25 - 10.30		Message from Sponsor / MC to open	Message from Sponsor / MC to open	Message from Sponsor / MC to open
	Page		Page	Page
10.30 - 10.45	47	Australia why so slow? Electric Vehicle uptake and what you can do about it. Electric Vehicles: the missing piece of the puzzle. Kymberley and Gabriel Noronha Recharging NSW	NICTA and the Australian Renewable Energy Mapping Infrastructure Peter Leihn, Director, NICTA	58 IoT – the digitisation of video data Peter Quinlan, Technology Consultant
10.45 - 10.50		Question Time	Question Time	Question Time
10.50 - 11.05	48	Build it and they will come – the future of electric vehicle charging in Australia Anthony Froelich, ABB Australia Pty Ltd	Let's dig it, using the ground for thermal energy storage: the experience of the Riverina Highlands Building Energy Efficiency Project, Tumut NSW Joanne Spicer, Environmental/GIS Officer, Tumut Shire Council Yale Carden - GeoExchange Australia / International Ground Source Heat Pump Association – Australasia, Managing Director / President	59 Driving building performance using big data analytics Cara Ryan, Offer Manager, Building Performance Centre, Eco Buildings Division, Schneider Electric
11.05 - 11.10		Question Time	Question Time	Question Time
11.10 - 11.25	49	Electric vehicles are becoming a viable alternative to conventional internal combustion engine. Kirk Martel	How much solar are we actually talking about? Oliver Hartley, Managing Director, Eppo Pty Ltd	60 Open data, applications and innovation ecology James Giblin, Founder and Principal Australian Energy Consultants Andrew Mears, Founder SwitchDin Pty Ltd
11.25 - 11.30		Question Time	Question Time	Question Time

11.30 - 11.40 SHORT BREAK – CHANGE OVER TIME

11.40 - 11.55	50	Intelligent Transport Systems as Study Programme Miroslav Svitek, Faculty of Transportation Sciences, Czech Technical University in Prague	55	55	Virtual smart cities with Barrangaroo's Open Building System Integration Jeremy Harkins, Director, Ineni Realtime James Paterson, Operations Manager, Barrangaroo, Lendlease	61
11.55 - 12.00		Workshop			Question Time	
12.00 - 12.15	51	How can the Hunter progress 'Innovative Future Vehicle Infrastructure'? Workshop speakers and Panel Discussion	56	56	Award winning innovative University buildings Phillip Pollard, Director, Amenity Urban and Natural Design Environments SGSC findings Hua Fan, PhD Candidate, Faculty of Engineering, University of NSW	62 62
12.15 - 12.20		Question Time			Question Time	
12.20 - 12.35		Smart future energy systems John Ward, Principal Scientist, Grids & Energy Efficient Systems, CSIRO	57	57	Performance analysis and energy benefits of a commercial desiccant trigeration system Stuart Hands, CSIRO	63
12.35 - 12.40		Question Time			Question Time	

LUNCH WITH EXHIBITORS

Banquet Hall

and

Playtime in the Lunch Break - Meet the Technology Demidov, Accenture - Newcastle Room

13.40 - 14.45		Future Transport Cummings Room – First Floor	Clean Energy Hunter Room – Second Floor	Innovation & Emerging Technologies in the Built Environment Concert Hall – First Floor		
13.40 - 13.45		Message from Sponsor / MC to open	Message from Sponsor / MC to open	Message from Sponsor / MC to open		
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13.45 - 14.00	64	Newcastle Bicycle City Steven Fleming, Director, Cyclespace International Pty Ltd	67	67	Smart City Infrastructure David Abrahams, Digital Research, Strategy, Policy and Investment	70
14.00 - 14.05		Question Time			Question Time	
14.05 - 14.20	65	The opportunities for innovative research within the Cyclesafe Network proposal Ben Ewald, Senior Lecturer, The University of Newcastle	68	68	Transitioning to a Sustainable City - Urban Development Lessons for Australia David Crofts	71
14.20 - 14.25		Question Time			Question Time	
14.25 - 14.40	66	Solar powered electric bike rental stations in the future city Brian Hill, Quiet Rush	69	69	Bandung as New Emerging Smart City Meredian Alam, PhD Candidate Sociology, School of Humanities and Social Sciences, University of Newcastle	72
14.40 - 14.45		Question Time			Question Time	

14.45 - 15.15 NETWORKING AND AFTERNOON TEA

15.15 - 16.15		FUTURE PREPARING OUR CITIES PLENARY - SPONSORED BY LAKE MACQUARIE CITY COUNCIL	Page
15.15 - 15.20		MESSAGE FROM SPONSOR / MC TO OPEN	
15.20 - 15.35		Andrew Lang, The potential of energy from municipal waste streams in Australia	73
15.35 - 15.50		Sharon Pope, Manager Integrated Planning, Lake Macquarie City Council, Preparing the City's first digital economy strategy	74
15.50 - 16.05		Don Burke, Cities of the Future - Benefitting from climate change	75
16.05 - 16.20		Gary Ellem, The Tom Farrell Institute - Future Cities	75
16.20 - 16.30		Question Time	
16.30 - 16.40		Announcement of Hackathon Winners	
16.40 - 16.50		Announcement of Student Poster Prize Winners	
16.50 - 17.00		Tim Roberts, Director Tom Farrell Institute, Closing Remarks	

17.30 – 19.30		FREE PUBLIC FORUM Newcastle: Smart City, Our Future Newcastle Concert Hall Opening address: Peter Chrystal, Director, Planning & Regulatory, Newcastle City Council	Page
		Speakers: Ed Blakely, Future Cities Collaboration, United States Studies Centre, University of Sydney	14
		Bud Kapoor, Manager Cisco's Smart+Connected Communities Program for Asia-Pacific	15
		Michael Neilson, Newcastle NOW	16
		Nathaniel Bavinton, Newcastle City Council	16
		Tarik Hammadou, VIMOC Technologies	15
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