

CRCSI 2014 Annual Conference Program

5 – 7 November 2014 - Pan Pacific Hotel Perth

WEDNESDAY 5 November 2014		
1.15 pm – 1.20 pm	Conference Opening Dr Peter Woodgate, CRCSI CEO	
1.20pm – 1.30pm	Welcome to Country Marie Taylor	
1.30pm – 1.45pm	Ministerial Address	
1.45pm – 2.00pm	Landgate Address Mike Bradford <i>CEO, Landgate</i>	Golden Ballroom
2.00pm – 2.45pm	The Intersection of Remote Sensing Science, High-Resolution Aerial Imaging, Public Policy and Social Good Rebecca Moore <i>Engineering Manager, Google Earth Outreach and Earth Engine</i>	
2.45pm – 3.30pm	Afternoon Tea	Grand River Ballroom
3.30pm – 3.55pm	Swedish Geomatics Cluster: Innovation and Economic Impact Johan Bång <i>CEO, Future Position X, Sweden</i>	
3.55pm – 4.20pm	TECTERRA's Economic Impacts and Company Development in Canada Dr Mohamed Abousalem <i>CEO, TECTERRA, Canada</i>	
4.20pm – 4.40pm	Implications of New Zealand's Research and Development Strategy and Open Access to Data Anita Balakrishnan <i>Manager Geospatial and Open Data, Land Information New Zealand</i>	Golden Ballroom
4.40pm – 5.00pm	Spatial Technology to Business Success: A Conversation Arthur Berrill <i>Chief Technology Officer, DMTI Canada</i>	
5.15pm – 6.45pm	Poster Session Featuring CRCSI projects and students and achievements	Grand River Ballroom
5.15pm – 6.45pm	Welcome Reception Held within the Exhibition Hall with booths on all major CRCSI activities and projects ...	Grand River Ballroom

THURSDAY 6 November 2014

CRCSI 2014 to 2018		
9.00am – 9.15am	CRCSI Planning to 2018 and Beyond Dr Peter Woodgate, <i>CEO, CRCSI</i>	Golden Ballroom
9.15am – 9.30am	Research Program Future Activities – Science Director’s visions Spatial Infrastructures Prof Geoff West, <i>Curtin University</i>	
9.30am – 9.45am	Positioning Prof Peter Teunissen, <i>Curtin University</i>	
9.45am – 10.00am	Feature Extraction Prof Clive Fraser, <i>University of Melbourne</i>	
10.00am – 10.15am	Urban Planning Prof Peter Newman, <i>Curtin University</i>	
10.15am – 10.30am	Health Prof Geoff Jacquez, <i>University of Buffalo</i>	
10.30am – 10.45am	Agriculture & Natural Resources Prof Kim Lowell, <i>CRC for Spatial Information</i>	
10.45am – 11.15am	Morning Tea & Poster Session	Grand River Ballroom

11.15am – 12.50pm	43pl Soapbox Chair: David Sinclair <ul style="list-style-type: none"> Snapshots from Canadian companies visiting us Commentary on the present, and views of the future, from 43pl companies who have a view to put (but not an advert) 	Golden Ballroom
12.50pm – 1.30pm	Lunch	Grand River Ballroom

PROJECT ACHIEVEMENTS & UTILISATION STORIES		
	FEATURE EXTRACTION Chair: David Sinclair <i>Program 2 Board Chair</i>	URBAN PLANNING PROJECTS Chair: Prof Peter Newman <i>Program 4.5 Science Director</i>
<i>Room</i>	<i>Golden Ballroom North</i>	<i>Golden Ballroom South</i>
1.30pm – 2.00pm	Mobile Mapping (P201) Dr David Belton, <i>Curtin University</i> 3 Minute Theses <i>PhD Students</i> Michael Borck, <i>Curtin University</i> Richard Palmer, <i>Curtin University</i>	Christchurch Applications (P455) Prof Simon Kingham, <i>University of Canterbury</i> 3 Minute Theses Josh Neville, <i>University of Canterbury</i> Cole Hendrigan, <i>Curtin University</i> James McIntosh, <i>Curtin University</i>
2.00pm – 2.15pm	HMAS Sydney 3D Visualisation Dr Petra Helmholtz, <i>Curtin University</i>	Envision Scenario Planner (ESP) Software Suite for sustainable urban planning: a demonstration of capabilities and feedback session (P45) Dr Roman Trubka, <i>CRCSI</i> Dr Steve Glackin, <i>Swinburne University</i> ESP is a web enabled toolkit for use by built environment and urban researchers, designers and planners and developers...
2.15pm – 2.30pm	“Facial Spatial”: Photogrammetry and Analysis for Medical Studies Hedwig Verhoef, <i>CRCSI</i>	
2.30pm – 2.45pm	Scanalyse: a CRCSI Commercialisation Story through the Lens of Commercialisation Australia Peter Clarke, <i>Commercialisation Australia & former Managing Director of Scanalyse</i>	
2.45pm – 3.00pm	3 Minute Theses Ebadat Parmehr, <i>University of Melbourne</i> Nuddin Tengku, <i>University of Melbourne</i>	
3.00pm – 3.45pm	Afternoon Tea & Poster Session	Grand River Ballroom

RESEARCH PROJECT STORIES		
	HEALTH PROJECTS Chair: Dr Tarun Weeramanthri WA Department of Health	AGRICULTURE & NRM Chair: Dr Matthew Adams Program 4.1 Board Chair
Room	Golden Ballroom North	Golden Ballroom South
3.45pm – 4.05pm	Epiphany: Geovisualisation and Analysis of Health Data (P4403) Simon Cope, CRCSI	Biomass Business (P412) Prof David Lamb, University of New England 3 Minute Theses by PhD Students Charity Mundava, Curtin University Ben Fitzpatrick, QUT
4.05pm – 4.25pm	Place as a Vital Sign: Implications for Health (P4401) Prof Moyez Jiwa, Curtin University Dr Ori Gudes, Curtin University	Tools for Pasture Biomass Estimation (P418) Dr Andrew Robson, University of New England 3 Minute Thesis by PhD Student Niva Verma, UNE
4.25pm – 4.45pm	Bayesian Modelling in Health Applications (P442) Dr Nicole White, QUT	Woody Vegetation (P207) Prof Simon Jones, RMIT 3 Minute Theses PhD Student Will Woodgate, RMIT
4.45pm – 5.05pm	3 Minute Theses PhD Students Daniel Hogg, University of Canterbury Dr Jannah Baker, QUT Joel Haasdyk, UNSW & LPI Nic Donnelly, UNSW & LINZ	Crowdsourcing in Agriculture (P418) Dr Femke Reitsma, University of Canterbury 3 Minute Thesis PhD Student Paul Goodhue, University of Canterbury
7.00pm – 11.00pm	Conference Dinner Networking & Awards	Royal Perth Yacht Club
	Chair's Award – for outstanding achievement in any aspect of the CRCSI Research Excellence Award - for creativity, imagination or innovation with research outputs that produce high impact outcomes, Student Excellence Award - for outstanding research effort and contribution to a CRCSI project outcome 43pl Award - for a company or individual that has made an outstanding contribution	

FRIDAY 7 November 2014		
7.30 am – 8.30 am	<p>Women in Research Breakfast: “Antarctica theme” Chair Dr Anna de Raadt, CRCSI Dr Marnie Leybourne <i>Spatial Information Manager and Recent Antarctic Visitor</i> Prof Wendy Lawson <i>University of Canterbury PVC Science & Glaciologist</i></p>	Goldsworthy Room
PROGRAM DISCUSSION SESSIONS		
	<p>POSITIONING Chair: John Dawson Program 1 Manager</p>	<p>SPATIAL INFRASTRUCTURES Chair: Claire Foo A/Chair, Program 3 Board</p>
Room	Golden Ballroom North	Golden Ballroom South
9.00am – 10.15am	<p>Analysis Centre Software and Partner Engagement</p> <p><i>An Open Discussion and Opportunity for 43pl Companies and Others to Engage with the Positioning Program Activities</i></p> <p><i>The ACS will provide the computational engine to support the day-to-day functions of a multi-GNSS enabled National Positioning Infrastructure (NPI).</i></p> <p><i>It will collect, process and analyse multi-GNSS data and enable national, cm-level positioning using the PPP-RTK approach. The ACS will be the interface between the infrastructure providers and commercial re-sellers who in turn will deliver value-added products and services to business, government and private sector users ...</i></p> <p>Panel Includes Prof Petrus Teunissen <i>Curtin University & Positioning Program Science Director</i> Dr Phil Collier <i>CRCSI Research Director</i></p>	<p>Utilisation Plans and Research Futures: Presentations and Open Discussion</p> <p>Conveners Prof Geoff West, <i>CRCSI Science Director</i> Ms Kylie Armstrong, <i>CRCSI Program Director</i></p> <p>Topics (followed by discussion) Geocoding Addressing (P310) Kylie Armstrong, <i>CRCSI Program Director</i></p> <p>Semantic Web Technologies (P301) Dr David McMeekin, <i>Curtin University</i></p> <p>3 Minute Theses <i>PhD Students</i> Tristan Reed, <i>Curtin University</i> Jeremy Fa, <i>Curtin University</i> Elizabeth-Kate Gulland, <i>Curtin</i></p> <p>Supply Chains (P302) Dr Lesley Arnold, <i>Geospatial Frameworks and Curtin University</i></p> <p>3 Minute Theses <i>PhD Students</i> Latha Ravi, <i>Curtin University</i> Kanishka Luthra, <i>University of Canterbury</i></p>
10.15 am	Morning Tea	Grand River Ballroom

PROGRAM DISCUSSION SESSIONS		
	PERSONALISED HEALTH Chair: Dr Tarun Weeramanthri Program 4.4 Board Chair	AGRICULTURE & NRM Chair: Dr Matthew Adams Program 4.1 Board Chair
Room	Golden Ballroom North	Golden Ballroom South
10.45am – 12.00pm	<p>The International Agenda in Personalised Health <i>“Consumers are relying on mobile applications to help manage their health and fitness, with the top 10 health apps generating up to 4000k free and 300k paid downloads per day.”</i> <i>“There are more than 97,000 mobile apps available related to health and fitness,”</i> <i>“The mobile health app marketplace is expected to grow to reach \$26 billion by 2017”</i></p> <p>Panel Includes Profs Geoff Jacquez & Clive Sabel <i>Co-Science Directors</i> Johan Bang <i>FPx GeoLife Program</i> Prof Moyez Jiwa <i>Curtin University</i> Melanie Taylor <i>National Health Performance Authority</i></p>	<p>Topics to be advised, based on recent workshop in Canberra</p> <p>Includes Project Presentations: 4.17 Big Data Assoc Prof Schlomo Geva and Dr Alan Woodley <i>QUT</i></p> <p>Panel includes Prof Kim Lowell <i>Science Director</i> Prof David Lamb <i>Project Leader</i> Phil Tickle <i>CRCSI Business Development Manager</i></p>
12.00pm – 12.30pm	<p>Square Kilometre Array: Big Data and Spatial Aspects Prof Steve Tingay <i>Deputy Director, International Centre for Radio Astronomy Research</i> <i>The SKA is an example of global mega-science, internationally focused on the biggest questions facing physics, fostering maximum technical innovation and encouraging future generations of scientists, engineers and computer programmers to take on large and complex problems.</i></p> <p><i>What could it mean for each of us in our industries?</i></p>	Golden Ballroom
12.30pm – 12.40pm	<p>Closing Remarks Dr Peter Woodgate, CRCSI CEO</p>	
12.40pm – 1.45pm	Light Luncheon Served	Grand River Ballroom