



SURVEYING AND SPATIAL SCIENCES CONFERENCE 2013

National Convention Centre
Canberra, Australia

15-19 April 2013 | www.sssc2013.org

REGISTRATIONS ARE NOW OPEN!
VISIT WWW.SSSC2013.ORG

The theme for the Surveying & Spatial Sciences Institute conference is ***“Collect, Connect, Capitalise”*** and aims to give you an opportunity to ***“Collect”*** the profession and the industry’s latest happenings; ***“Connect”*** with the who’s who of not only the Australian Surveying & Spatial scene but also international attendees; and ***“Capitalise”*** on being amongst many of the leading professionals that will be attending.

Introducing our Panel and Keynote Speakers

As part of the **Big Issues, Big Talk** speaker series – **SSSC2013** is hosting one of these ground breaking sessions, as the opening Panel Discussion on ***“Collect, Connect, Capitalise – how diverse spatial applications help me to build my community”***.



Greg Babinski
King County GIS Center, Seattle
URISA Past President



CDRE Brett Brace
Hydrographer of Australia



Mark Croweller
AFSM FAIM
Director General Emergency
Management Australia



Anne Gawen
CEO Connecting Up



Sue Vardon
Chair, South Australian
Red Cross



**David DiBiase - Thursday
Keynote Speaker**
Director of Education &
Industry Solutions, ESRI Inc USA



**Dr David Headon -
Friday Keynote Speaker**
Centenary of Canberra
ACT Government

Read more about our Speakers
and also find out about the range
of workshops available on
WWW.SSSC2013.ORG



REGISTER NOW!

Collect, Connect, Capitalise
National Convention Centre
CANBERRA , AUSTRALIA
Monday 15- Friday 19 April 2013
www.sssc2013.org

WORKSHOPS – Monday 15 & Tuesday 16

The SSSC2013 week coincides with the Canberra Heritage Festival, National History Week and of course the Canberra Centenary year.

This year's **History and Heritage workshop** will be a great event. Presenters include: Terry Birtles, John Brock, James Canning, Greg Eccleston, Matthew Higgins, Frank Leahy and Lindsay Perry.

The workshop includes a tour of Scrivener's Canberra and the group will meet up with the **Young Professionals** who will be attempting to locate King O'Malley's surveying peg!

A first will be *UAV* presented by **Aerometrex**. **Intergraph** will present hands on sessions in *Point Cloud Data*.

Pitney Bowes Software explore *multi dimensional approaches to Address Management*

A huge hit will be *Cartography & Map Design*.

A definite must will be the Federal Governments Scheme – **Aurin** - an *e-infrastructure to facilitate access to distributed datasets and services*

Read more about our Speakers and find out about the range of Workshops available

www.sssc2013.org

Sponsorship many opportunities are available to increase your company's exposure and industry cludos! Exciting concepts including a **Conference APP**, or individual sponsorship of **APSEA Awards** Categories? Please contact Caryn on caryn@cmaevents.com.au to discuss your ideas!

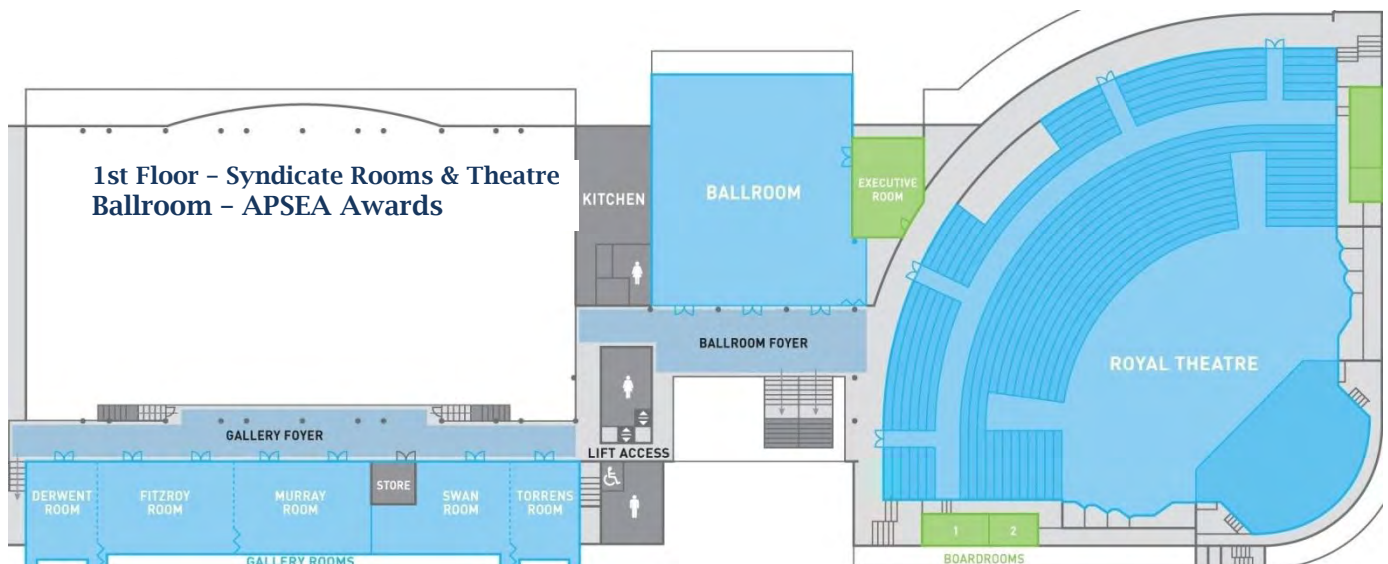
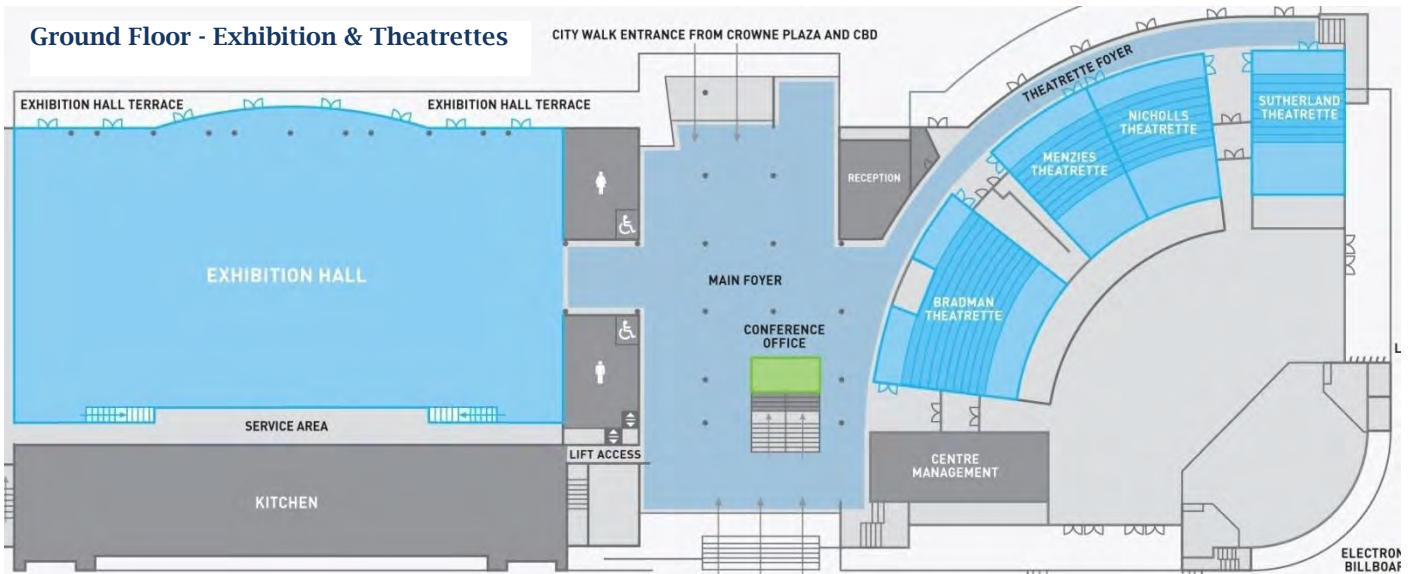
The Exhibition Hall will be the central information and networking hub for delegates attending the multitude of workshops and plenary sessions throughout the 4 days. The Welcome Reception, Young Professionals Event and APSEA Awards Pre Dinner Drinks along with many special announcements will take place in this space.

Is your company's name on the **SSSC2013 Wall of Fame?**





WORKSHOP SCHEDULE

Monday 15 April 2013					
08:00-12:00		AURIN Workshop			FME World Tour FME User Group
12:00-13:00	Lunch				
13:00-17:00		UAV Workshop Aerometrex			FME World Tour FME User Group
Tuesday 16 April 2013					
08:00-12:00	History and Heritage Workshop SSSI History and Heritage Special Interest Group	Hydrography - Standards Workshop AHS	Using Point Cloud Data INTERGRAPH	Cartography and Map Design Workshop SSSI Spatial Information and Cartography Commission	Young Professionals Project
10:00-15:00	Exhibition Open Day				
12:00-13:00	Lunch				
13:00-17:00	History and Heritage Workshop SSSI History and Heritage Special Interest Group	A Multi Dimensional Approach to Address Management Pitney Bowes Software	Geospatial Technology Competency Model Workshop SSSI Education Leadership Group	Cartography and Map Design Workshop SSSI Spatial Information and Cartography Commission	Young Professionals Project
17:00-19:00	Official Welcome Drinks in the Exhibition Hall				




Wednesday 17 April 2013

Wednesday 17 April 2013					
VENUE	BRADMAN THEATRE, GROUND FLOOR				
09:00-10:00	Official Conference Opening by Senator Kate Lundy, Minister for Industry & Innovation <i>Featuring "Welcome to Country" by Shane Mortimer, Ngambri Elder</i>				
10:00-10:30	Morning Tea in the Exhibition Hall				
10:30-12:30		Plenary Session - Big Issues Big Talk Speaker Series <i>Featuring:</i> Mark Crosweller, Director General Emergency Management Australia Greg Babinski, URISA CDRE Brett Brace, Hydrographer of Australia Anne Gawen and Sue Vardon, ConnectingUp Australia			
12:30-13:30	Lunch in the Exhibition Hall				
VENUE	MURRAY ROOM	SUTHERLAND THEATRE	NICHOLLS THEATRE	FITZROY ROOM	SWAN ROOM
	Land Surveying - 1	GIS Analysis/ Mapping - 1	Spatial Data Frameworks: Putting You in the Picture	RS&P -1	Other -1
13:30-14:00	An XML Schema for Geodetic Data Transfer in Australia and New Zealand Nic Donnelly Land Information NZ	Effects of Spatial Resolution on Landscape Function using the Landscape Leakiness Calculator Ernest Dunwoody USQ	The Power of Coordinated & Cohesive Location Information for a Digital Economy Helen Owens OSP	Rectified vs Orthorectified Image - A Quantitative Analysis Sushma Yadav Indian Institute of Remote Sensing	Clever Maps and Apps for a Smartphone generation Cassandra Barker MapData Services
14:00-14:30	An Update on the Development of Standards & Practices for Control Surveys (SP1) Roger Fraser Office of the Surveyor General, Victoria	SpatialLogic - A Framework to Enable Evidence-based Decision-making - A Peri-Urban Strategic Planning Case Study Bill Fish Spatial Vision	ANZ Engagement in the International Spatial Standards Environment Chris Body OSP - Building Fundamental Spatial Datasets: Strategic Initiatives of ICSM Paul Harcombe ICSM	Active Fire Detection using MODIS Images - Golestan National Park in Iran Ali Darvishsefat University of Tehran	What are the Issues with Natural Resources? How can Emerging Interactive Technology Help? Mark Brown UTAS
14:30-15:00	Steps Towards Recovering the Geodetic System in Christchurch, NZ, After the 2010 & 2011 Earthquakes Rachelle Winefield Land Information NZ	The Evaluation of Public Transport Journey Planners Xuejing Sun University of Melbourne	ANZ FSD - Panel Discussion - facilitator Brian Sloan ANZLIC Secretariat	Provisioning of a Nationwide Digital Elevation Model Abhineet Jain DigitalGlobe	Mobile GIS - Geospatially Enabling a Multi-Discipline Workforce Chris Loty Cardno
15:00-15:30	Afternoon Tea in the Exhibition Hall				
VENUE	MURRAY ROOM	SUTHERLAND THEATRE	SWAN ROOM	NICHOLLS THEATRE	FITZROY ROOM
	Land Surveying - 2	GIS Analysis/ Mapping - 2	Other - 2	RS&P - 2	WIS Forum
15:30-16:00	Impacts of Regional and Global Geodesy Modernisation on the Australian Geospatial Industry Chris Rizos UNSW	A Method of Developing Regional Road Traffic Noise Management Strategies Nick Lawrence Old Dept Of Transport & Main Roads	Collaborative Research into the Next Generation Spatial Infrastructure Tai Chan CRC-SI	Big Data LiDAR Gordon Sumerling Esri Australia	Women in Spatial Forum
16:00-16:30	Legal Traceability of GPS Positions in Australia Guorong Hu Geoscience Australia	Geospatial Enablement in S.A.Public Health Andrew Brown & Andrew Vickers SA Health	Finding your "Old" Place in the "New" World David Bruce Uni SA	Finding Malleefowl Mounds with LiDAR Data Stephen Swabey Umwelt	
16:30-17:00	Legal Traceability of GNSS Measurements Matt Higgins Land and Spatial Information Group	Data Management - Breaking Down the Spatial Wall of Mystery Liz Fulton Cardno	Hellenic Mapping and Cadastral Organisation GIS PORTAL towards Greek SDI Defkalion Kalogridis Intergraph		
17:00-19:00	Young Professionals Cocktails in the Exhibition Hall				

Thursday 18 April 2013

07:00-09:00					
Scrivener's Breakfast, Surveyors Park, Barton					
VENUE	BRADMAN THEATRE, GROUND FLOOR				
09:00-10:00	Keynote Address David DiBiase Esri				
10:00-10:30	Morning Tea in the Exhibition Hall				
VENUE	MURRAY ROOM	SWAN ROOM	NICHOLLS THEATRE	SUTHERLAND THEATRE	FITZROY ROOM
	Land Surveying - 3	GIS Analysis/ Mapping - 3	GIS Analysis/ Mapping - 4	Hydrography - 1	Defence - 1
10:30-11:00	Shaping the cadastral infrastructure for a digital future Craig Sandy Esri Australia	Advances in GIS Mapping of Waterways Bruce Harris BMT WBM	Defining Australia's Urban Population: A New Methodology Darren Hossack ABS		A Recipe for Data Management Success Doug White & Lucia Scimone Australian Hydrographic Service
11:00-11:30	A Deformation Model to Support a Next Generation Australian Geodetic Datum Richard Stanaway UNSW	Building an e-Infrastructure to Support Urban Research in Australia: A Lens Centred view Chris Pettit Uni of Melbourne	GIS Mapping of a Natural Gas Distribution Network Furqan Iqbal Sui Northern Gas Pipelines	South West Pacific Regional Hydrography Programme Stuart Caie Land Information NZ	JP2064 Update Kevin Rosenbaum Geospatial Development Centre
11:30-12:00	The Standard for Australian Survey Control Don Abbey Woodside Energy	Spatial Enablement & Data Interoperability for a Collaborative Primary Health Care Data Platform James Peterson Spatial Vision	Spatial and Web Enablement of Australia's Groundwater Dependent Ecosystems (GDE) Zaffar Sadiq Mohamed- Ghouse SKM	Simultaneous Airborne LiDAR Bathymetry (ALB) and Hyperspectral data collection Craig Williams Fugro LADS	The Geospatial Enterprise Vision for Defence and National Security Daniela Bramante Esri Australia
12:00-12:30	New Zealand Vertical Datum Improvement Rachelle Winefield Land Information NZ	Lossless Compression of Digital Elevation Models Gabriel Scarmana USQ	Local Government Benchmark Study Results SSSI and Esri Australia	A Hydrographic Note for the 21st Century Stuart Caie Land Information NZ	
12:30-13:30	Lunch in the Exhibition Hall				
VENUE	NICHOLLS THEATRE	FITZROY ROOM	MURRAY ROOM	SUTHERLAND THEATRE	SWAN ROOM
13:30-14:30	SICC General Meeting	RS&P General Meeting	LSC General Meeting	HC General Meeting	EMSC General Meeting
14:30-15:00	Afternoon Tea in the Exhibition Hall				
VENUE	MURRAY ROOM	NICHOLLS THEATRE	SUTHERLAND THEATRE	SWAN ROOM	FITZROY ROOM
	Land Surveying - 4	GIS Analysis/ Mapping - 5	Hydrography - 2	Other - 3	Other - 4
15:30-16:00	ePlan Forum	Mapping Potential Rate of Spread and Intensity of Bushfires using Project Vesta GIS Toolbox Craig Carpenter Dept of Environment & Conservation	Mini Keynote: CDRE Brett Brace Hydrographer of Australia CDR Dave Crossman RNZN	From Riverina Water Shortage to Snowy Surplus: Charles Scrivener's Task to Locate a National Capital Terry Birtles ADFA	Profiling Victoria's Groundwater - Automation Meets Information Fusion: A Receipt to Drive Innovation in Groundwater Management James Peterson Spatial Vision
16:00-16:30		Your Place in the Cloud: Satisfying the Demand for Location-Based Information Erik Sandin Esri Australia			The Crucial Role of Public- Private Partnerships and Teamwork in the Rapid Response to Disasters Brett O'Hagan AAM
16:30-17:00		WebGIS and MobileGIS Apps on the Job Martin Russell Aurecon Australia	Hydrography Certification CDRE Brett Brace RAN	Vendors and Tenders - or How Some Vendors Lose Them. Bruce Douglas Corporate GIS Consultants	
18:30-19:00	Pre Dinner Drinks in the Exhibition Hall				
19:00-23:00	Conference Dinner / Asia-Pacific Spatial Excellence Awards - Ballroom, Level 1 Dress Code: Men: Lounge Suit/Dinner Suit Ladies: Evening Dress				

Friday 19 April 2013					
VENUE	BRADMAN THEATRE, GROUND FLOOR				
09:30-10:30	Keynote Address Dr David Headon Cultural Advisor, Centenary of Canberra				
10:30-11:00	Morning Tea in the Exhibition Hall				
VENUE	SWAN ROOM	SUTHERLAND THEATRE	MURRAY ROOM	FITZROY ROOM	NICHOLLS THEATRE
	GIS Analysis/ Mapping - 6	GIS Analysis/ Mapping - 7	Land Surveying - 5	RS&P - 3	Geodesy-Special Theme Next Generation Datum
11:00-11:30	A Room with a View - Representing a View that Doesn't Yet Exist Alex Cowdery AAM	Place-based Geography - Radial Geography as a Means of Understanding the Context of Place - A Fire Damage Case Study Luong Tran Spatial Vision	The Training of Graduate Surveyors - what it is & what it could be Mike Stapleton Landdata Surveys	The Evolution And Revolution In The Earth Observation Satellites Industry Kumar Navulur DigitalGlobe	Next Generation Australian Datum John Dawson Geoscience Australia
11:30-12:00	Shaping a Sustainable Future through GeoDesign and 3D Wayne Lee-Archer Esri Australia	The Use of GIS as a Tool for Mapping Land Damage as Part of the Ongoing Earthquake Recovery in Christchurch, New Zealand Kate Burns Tonkin & Taylor	AUSPOS2: Geoscience Australia's Updated Online GPS Data Processing Service Guorong Hu Geoscience Australia	3D Spatial Data from Photogrammetric Point Clouds Glenn Jones NSW LPI	Discussion Forum: Impacts of a Next Generation Datum for Australia Craig Roberts (moderator) John Dawson (panel member) Chris Rizos (panel member)
12:00-12:30	3D Modelling - A Geographic Tool to Assess Visual Impact Amy Steiger Cardno	More than Just "Mapping" - Building Geospatial Solutions for Managing Government Programs Nicholas Keilar Dept Broadband, Comms & Digital Economy	Extending ePlan for 3D Cadastrals Ali Aien University of Melbourne	Surveying a Lunar-Like Surface in French Polynesia using LiDAR Rob Clout AAM	
12:30-13:30	Lunch in Exhibition				
VENUE	NICHOLLS THEATRE	SWAN ROOM	MURRAY ROOM	SUTHERLAND THEATRE	
	Emergency - 1	GIS Analysis/Mapping/ Cartography - 8	Land Surveying - 6	GIS Analysis/ Mapping - 9	
13:30-14:00	GIS Emergency Response: Learnings from the Canterbury Earthquakes Veronika Frank Christchurch City Council	LINZ Paper Chart Masters Jennifer Ryan Land Information NZ	Is Neo-cadastral Surveying on your Smartphone Feasible? Craig Roberts UNSW	Big Data and Advanced Spatial Analytics Eve Kleiman Oracle	
14:00-14:30	An Information Management Framework for Flood Data and Products Ross Carew StoneGecko Pty Ltd	Spatial Analysis of Ophthalmology Patient Catchments in Victoria, Australia Xuan Zhu Monash University	The West Australian Border, Where is it Today? Tony Snow Curtin University	Mapping Commonwealth Lands in the Lower Hunter David Bruce Omnalink	
14:30-15:00	Mapping and Planning Support - Providing Support to Emergency Responders Marcus Blake MAPS	Trans Basin Water Transfer to the MDB: GIS Modelling and Engineering Solutions David Bruce Uni SA	Using GNSS CORS to Augment Long-term Tide Gauge Observations in NSW Volker Janssen NSW LPI	Local Government SME GIS Utilising SQL Server Simon Callaghan Mt Barker Council	
15:00-15:30	Closing Address and Announcement of Map Winner in Nicholls Theatre				
15:30-17:00	Closing Drinks in Main Lobby				

