

**GE**  
**SMART**  
**ASIA 2018**



**Locate**  
 #Locate18

**9-11 APRIL 2018, ADELAIDE, AUSTRALIA**  
**THEME: THE ART, SCIENCE AND BUSINESS OF GEOSPATIAL**

**April 9**

Section	Expo Hall (Halls M-N-O)		Riverbank 2	Riverbank 3	Field Trip 1	Field Trip 2	Field Trip 3
Market Day	10:00	Exhibition Opens	DigitalGlobe Australia User Conference 2018 13:00- 17:00	SSSI URISA Workshop	SAHMRI (South Australian Health and Medical Research Institute) 13:45- 16:30  VIEW DE-TAILED ITINERARY	PENFOLDS 13:45- 17:00  VIEW DE-TAILED ITINERARY	TONSLEY 13:45- 17:00  VIEW DE-TAILED ITINERARY
Interaction Zone Launch: Open Panel "The Orbital View: Space Meets Geospatial"	1440-1600	(I-Zone session updates at: <a href="http://newspatial.ideascape.co/i-zone">newspatial.ideascape.co/i-zone</a> )					
Market Day Closes at	1600						
GeoRabble	1600-1730						
Welcome Function	17:00						
Day Closes at	18:00						

# April 10

Section	HALL L							
Opening Plenary								
Formal Opening	08:30							
Welcome to Country	08:40							
Convenor Address	08:45	Gary Maguire, Convenor Locate 18- GeoSmart Asia 18						
SSSI Welcome	08:50	Gabriel Van Wyk, President, Surveying & Spatial Sciences Institute						
SIBA Welcome	08:55	Alistair Byrom, Chairman, Spatial Industry Business Association						
GeoSmart Asia Welcome	09:00	Prashant Joshi, Vice President, Geospatial Media & Communications						
Opening Address	09:05	Steven Jacoby PSM, Chair, Australia New Zealand Land Information Council (ANZLIC)						
Welcome to South Australia	09:15	Peter Worthington-Eyre, SA Chief Data Officer						
Keynote Introduction	09:25							
Keynotes	09:30	Flavia Tata Nardini, CEO, Fleet Space Technologies (Advancing space and spatial industries) Presentation Ed Parsons, Geospatial Technologist, Google (The Road to the Map of the Future) Presentation Cy Smith, Chief Geography Officer, Oregon, USA (Collaborative Governance is Essential for GIS Success)						
Morning Tea Break	11:00							
What is the CRCSI's New Frontier?	11:45	Dr Graeme Kernich, CEO, CRCSI (FrontierSI)						
Keynotes	11:50	Rebecca De Cicco, Director, Digital Node, UK (Construction gone Digital - The importance of a Digital Construction Workforce) BC Quah, Head of Marketing-Asia Pacific, FARO, Singapore (Freeing Up Boundaries with Digital Engineering) Dr. Estella Geraghty, Chief Medical Officer & Health Solutions Director, Esri, USA (Applying the Science of Where to Improve Health )						
Lunch	13:20							
Breakout Sessions		HALL L	RIVERBANK 5	RIVERBANK 6	RIVERBANK 7	RIVERBANK 8	HALL L2	Expo Hall
Title		Smart Cities	Disaster Management	Geo-science for Energy Sector	Location Intelligence I	Artificial Intelligence	Surveying I	Interaction Zone
Moderator		David McDonald	David Floreani	Gabriel van Wyk	Glenn Cockerton	Neil Sandercock	Michael Gear	
Presentation 1	14:15	Lead Speaker Future Smart Cities Eve Kleiman, Director Spatial & Graph Solutions, Oracle Asia/Pacific	Quantifying Climate Change Impacts on the Coast Harmen Romeijn Spatial Vision	Unlocking the bottom draw - a LiDAR journey Alex Webster Powercor / CitiPower	Changing the business of geospatial data Michael Dixon PSMA Australia	The Spatial Appreciation Revolution. Case studies in Mesh and Model. Braith McClure AAM	An Overview of the ePlan Journey in Australia with a Focus on the Victorian ePlan 2025 Roadmap Hamed Olfat Land Use Victoria, Department of Environment, Land, Water and Planning	I-Z: Education Pathways

Presentation 2	14:40	Distribution and GeoSpatial Analytics Kale Needham Spiral Data Group Australia	Spatial Nirvana - From Cellulose to Electrons Peter Lefel Banana Shire Council	Creating and Automating a Digital 3D Virtual World for Smarter Utilities & Improved Customer Outcomes Ian McLeod Enzen Australia	The Power of Collaboration Culture – Case Studies Graham Hammond Geoscience Australia	AI & Geoprocessing combine to automate the extraction of features from 3 band imagery. Kurt Janssen Orbica	Analysing and quantifying 3D changes using multi-date 3D models of natural and urban generated from photogrammetry Fabrice Marre Aerometrex	Women in the Spatial Frontier Mary-Ellen Feeney Jacobs	
Presentation 3	15:05	Generating real outcomes from Smart City initiatives David McDonald Pitney Bowes Australia	Real-time mapping transforms SA State Emergency Service incident management Dr Sara Pulford SA State Emergency Services	THE4BEES, Energy efficiency awareness for adolescents Laura Knoth Research Studios Austria iSPACE	An audit of photogrammetry tools and spatial techniques to assist burn assessment Dr Helen Douglas Curtin University Australia	High revisit, multi-resolution, wide area satellite imagery coverage for data fusing and artificial intelligence. Jonah Williams Airbus Defence & Space Geo Australia	Implementing a dynamic datum: impacts on the NSW Cadastre and the Digital Economy Maurits van der Vlugt Mercury Project Solutions	The Women in Geospatial Science Professional Network put women on the map Shelley Fitzgerald	
Afternoon Tea Break	15:30								I-Z: New* Spatial Challenge
Title	16:00	Smart Cities	The Right Location	Integrating GDA2020 into Business as Usual	The Science of Geospatial	The Art of Communication	Technology Trends I	Interaction Zone Theatre	
Moderator		David Trengove		Michael Giudici	Greg Van Gaans	Sharon Ferrier	Mary Lewitzka		
Presentation 4	16:00	Big Projects, Big Value. The Changing Role of GIS Mina Jahanshahi GHD	Total solution from FARO to make efficient for QA/QC process of Building & Construction Peter Mandak FARO	Overview of GDA2020 implementation Michael Giudici Surveyor General, Land Tasmania	How the Cloud spurs innovation in the geospatial industry Mark Korver AWS	In today's world we all 'sell' three things: our organisation, our product or service and most importantly ourselves Sharon Ferrier Persuasive Presentation			
Presentation 5	16:25	Rebuild the app in 80 days. Alex Leith CRCSI (FrontierSI)	Satellite Based Augmentation System (SBAS) Test-bed Demonstration Project Update Julia Mitchell CRCSI (FrontierSI)	Demonstration of technical tools, resources and educational material	Global Outlook 2018: Spatial Information Industry Dr Graeme Kernich CRCSI (FrontierSI)	This will be a special 1hour 15 minute session	Enabling Spatial Data Infrastructure in the State of Michigan Anton van Wyk 1 Spatial	I-Z: Community & Local Gov	
Presentation 6	16:50	SmarterWX - Cloud-based scheduling tool for public works management David Trengove esri Australia	Geo-coding regional and remote poor quality address records with confidence Dr Miro Palfy SA NT DataLink	Panel Session Moderated by Michael Giudici Surveyor General, Land Tasmania	Is your GIS ready for 3D? Tripp Corbin eGIS Associates		Modelling a reflective vehicle for Guided Soft Target creation Chad McLachlan AeroMetrex (Australia)		
Day Close at	17:15								
Pre Dinner Drinks	18:15	FOYER OF HALLS L-M-N-O							
APSEA Gala Dinner	19:00	HALL PANORAMA							
Closed	23:00								

# April 11

Breakout Sessions		RIVERBANK 5	RIVERBANK 6	RIVERBANK 7	RIVERBANK 8	HALL L	HALL L2	RIVERBANK 4	Expo Hall
Title		Data from Above	Big Data	Health & Community	UAV for Business	Surveying II	Technology Trends II		Interaction Zone Theatre
Moderator		David Bruce	Bertram Ostendorf	Prof Neil Coffee	Jarrold Lang	Michael Nietschke	Beau Thorley		
Presentation 7	08:45	Infinite Access to Satellite data for Smart City Dr. Sukanta Jena Cyient	Terapixel photogrammetry Associate Professor Bertram Ostendorf University of Adelaide, Australia	Lead Speaker  Geohealth: The Importance of Place in Understanding Health Ass Prof Neil Coffee University of Canberra	Lead Speaker  Drone Surveys - Applications in the design process Laurent Rivière Sunbird France	Surveyor Generals Forum Cadastre 2034  This will be a special 1 hour 40 minute session		OGC Workshop	
Presentation 8	09:10	New Land Cover Data for South Australia 1987-2015 Matthew Miles Department of Environment, Water and Natural Resources Australia	Crowdsourcing and Machine Learning to Extract Value out of Geospatial Big Data Sean Gorman DigitalGlobe USA	G.I.G.O. - The case for validation and accuracy assessment in a dataset on Public Open Space used in population health research Mark Daker University of South Australia	Leveraging IoT and Drones to Produce Aerial Intelligence Bill Farry RPS Australia East		The age of the modern utility Gordon Summerling Esri Australia	CONDUCTED BY: Denise McKenzie , Executive Director, Communications & Outreach Open Geospatial Consortium	
Presentation 9	09:35	Sensor resolutions from space: the tension between temporal, spectral, spatial and swath Associate Professor David Bruce University of South Australia Australia	The past, present, and future of government data publishing Anne Harper Koordinates New Zealand	Building capacity for spatially-enabled health research to understand diabetes in relation to social, built and physical environmental factors in the State of Kuwait Dr Saad Alsharrah Dasman Diabetes Institute, Kuwait	Generating a 3D Point Cloud from UAV Images Chase Fly Delair, France		The continued permeation of Location Intelligence – driving innovation and delivering true value in our daily lives James Hall Pitney Bowes	This is a special 1.25 hours session	Engaging the Others
Presentation 10	10:00	Multi-temporal remote sensing for spatial estimation of Plant Available Water holding Capacity Sofanit Araya The University of Adelaide Australia		Using Location to create change in South Australian communities Penny Baldock Department for Communities and Social Inclusion Australia	Generating a 3D Point Cloud from UAV Images Myles LaBonte Blue Marble Geographics		The myth of “Cloud Ready” Herman Coomans AWS		

Morning Tea Break	10:30								Women in Spatial
Title		Location Intelligence II	Agri-Business	Science of Smart Cities	GIS in Government & Policy	Surveying II	GeoIntel & Defence I		Interaction Zone Theatre
Moderator		Graham Walker	Stefan Peters	Alex Leith	Mary Lewitzka	Mark Pittman	Zaffar Sadiq Mohamed-Ghouse		
Presentation 11	11:00	Combined data sets of Airborne Lidar Bathymetry, Imagery and Multibeam Echo Sounder for Hydrography and Coastal Zone Management in the Asia Pacific Region Darren Stephenson Fugro, Australia	Multi-temporal LIDAR data for forestry - an approach to investigate timber yield changes. Dr Stefan Peters University of South Australia  Presentation	Movement pattern analysis using Voronoi Diagrams David Amores and Maria Vasardani, Research@Locate  Presentation	Lead Speaker  Value realization from Geo-enabling government services Maher Karim Public Authority for Civil Information, Kuwait  Presentation	Lead Speaker  Mobile laser scanning on USA roads Joe Bruno ESP Associates, USA  Presentation	Lead Speaker  Evolving landscape for AGO and industry engagement Chris Hewett Australian Geospatial-Intelligence Organisation  Presentation		The Collective Voice
Presentation 12	11:25	Surface Movement Monitoring (SMM) based on High-Resolution TerraSAR-X Satellite Data - Operational Case Studies Seyed Miri Airbus, Australia  Presentation	The art and science of remote sensing, agriculture and an AI-driven geospatial revolution. Dr Dipak Paudyal Esri Australia	Real-time image-based parking occupancy detection using deep learning Debaditya Acharya, Weilin Yan and Kourosh Khoshelham, Research@Locate  Presentation	Keep Calm and Follow the Standard: The Art of Using and Adapting Standards to locate data Margie Smith Geoscience Australia  Presentation	Riverbank Revamp: Transforming the Adelaide Riverbank using 3D laser scanning & Revit BIM models Franco Rea Alexander Symonds, Australia	Transitioning from 2D to 3D for the Collins Class Submarines Gavin Hamilton Australian Submarine Corporation  Presentation		
Presentation 13	11:50	Deriving place graphs from spatial databases Ehsan Hamzei, Hao Chen, Hua Hua, Maria Vasardani, Martin Tomko and Stephan Winter, Research@Locate  Presentation	Estimating the effect of nitrogen fertilization on growth and yield of sugarcane using UAV LiDAR and multispectral imaging technologies. Dr Yuri Shendryk CSIRO, Australia	Refining the oil of the 21st century: Next-generation spatial data, precision analytics and the scalable insights that will power smart cities Stephen Craig, Anditi Adrian Young, Spookfish, Australia  Presentation	Queensland's Transforming Spatial Environment Steve Jacoby PSM Department of Natural Resources, Mines and Energy, Australia	Automated Scan Data Registration for Improving TLS Data Acquisition Efficiency Thomas Gaisecker RIEGL Laser Measurement Systems, Austria  Presentation	Pixel to Report - how the 4th revolution is changing the scenario in both IMINT and civilian market Valerio Perusini e-GEOS/Telespazio		
Lunch	12:15								New* Spatial Challenge
Title		Solutions for Business	Future Thinkers	Location Intelligence III	Innovation in Geospatial	Surveying III	GeoIntel & Defence II		Interaction Zone Theatre
Moderator		Rob Clout	David Floreani	Georgie Cassar	Maurits van der Vlugt	Graham Walker			

Presentation 14	13:15	Improving field and asset management collaboration with next generation integrated applications Rob Clout Clarita Solutions, Australia  Presentation	Transformative characteristics and research agenda for the SDI-SKI step change: A cadastral data case study Dr Lesley Arnold CRCSI (FrontierSI), Australia  Presentation	A National Network for the Coordination of Spatial Effort in Emergency Management Elliott Simmons EMSINA Australia  Presentation	Location Intelligence in the Fourth Industrial Revolution Sean Gorman DigitalGlobe USA	The Identification and Mapping of Historical Afghan Cameleer Mosque Sites in Marree and Farina, South Australia David Pyper Pyper Leaker Surveying Services Australia  Presentation	Collaboration in Space for International Global Maritime Awareness, for the Good of Mankind. Guy Thomas C-SIGMA LLC USA  Presentation		Future-Proofing
Presentation 15	13:40	Digital Earth Australia: Operational Earth Observations for a digital economy Dr Stuart Minchin Geoscience Australia	Leveraging an AWS Serverless approach to implement enterprise geospatial capability for Location SA Greg Van Gaans Department of Planning, Transport and Infrastructure Australia	The Marree Man and the Case of the Missing Genitals Phil Turner Publican - Marree Hotel, Australia  Presentation	Next generation geoscience data delivery: an open source solution Trisha Moriarty Geological Survey of New South Wales, Australia  Presentation	Bridging the gap between BIM and Survey Nathan Wallace, LISTECH  Presentation	Enabling Artificial Intelligence for Time Dominant Operations Andrew Steele DigitalGlobe  Presentation		
Closing Plenary		HALL L							
Welcome by MC	14:10	Joe D'Aloia							
Agenda 2026 Report	14:15	Dr Peter Woodgate & Glenn Cockerton, Co-Chairs, Australia's Leadership Group for the 2026 Spatial Industry Transformation & Growth Agenda 2026 Report  Presentation							
Keynote Introduction	14:25								
Keynotes	14:20	Joe Bruno, Executive Vice President, ESP Associates, USA							
	14:55	Jerry Johnston, Specialist Leader, Deloitte, USA Location Enabled Risk Sensing  Presentation							
Afternoon Tea Break	15:20								New* Spatial Challenge
Keynotes	15:50	Simon Cope, Executive Director and Chief Technical Officer, Spookfish, Australia							Intracation Zone Closed
	16:20	Ben Haines, Athlete Development Manager, South Australian National Football League GPS in Australian Rules Football  Presentation							
	16:45	Prof Elanor Huntington, Dean, Australian National University, Australia Convergence of technical and social science skills shaping geospatial community  Presentation							
Formal Closing	17:20	Dr Zaffar Mohamed-Ghouse, Chair, Locate Conferences Australia							
Closed	17:30								