

MONDAY 8 APRIL 2019

Market Day including "The Hub" activities (1000 – 1600)

FrontierSI Conference – Invite Only (1030 – 1735)

Georabble (1600 – 1730)

Welcome Reception (1730 – 1900)

TUESDAY 9 APRIL 2019

SIBA|GITA Breakfast: Innovating through diversity – the talent and outreach in the spatial industry (0700 – 0845)

Welcome to Country & Conference Opening (0900)

PLENARY SESSION

What's next? Demographic trends shaping our digital future

Simon Kuestenmacher, Director of Research at the Demographics Group

The role spatial science in better health outcomes

Barry Sandison, CEO of the Australian Institute of Health and Welfare

Protecting the Great Barrier Reef

Erin Peterson, Queensland University of Technology

MORNING TEA

PLENARY SESSION

Our future: 2026 Agenda

Free to Be – using location data to shape our cities, empowering people to feel safe

Eddie Bannerman, Youth Ambassador with Plan International Australia

Driving our digital future

Phil Allen, Vice President Sales, Tom Tom Asia-Pacific

Are you plugged into the startup revolution?

Facilitator: Stephanie Pradier, FrontierSI

Panel Members:

- Peta Ellis, CEO, River City Labs
- Matt Kirby, Cloud BNE
- Igor Vereninov, Co-owner/CEO, Emlid

LUNCH

CONCURRENT SESSIONS					
SURVEYING IN A DIGITAL WORLD	ADVANCED AGRICULTURE - LOCATION TECHNOLOGIES TO DRIVE SMARTER FARMING	PUBLIC INFRASTRUCTURE FOR A DIGITAL AGE	ASSETS AND TRANSPORT: SMART DECISIONS AND SMART INFRASTRUCTURE	THE INDUSTRY OF THE FUTURE	THE URBAN EXPERIENCE – THE ROLE OF LOCATION TECHNOLOGIES IN CREATING LIVEABLE CITIES OF THE FUTURE
Setting the Foundation Kristy Van Putten ACT Government	<i>Research@Locate</i> Can mining exploration data be reused to assess agricultural land suitability for affected local communities in developing countries? Ingrid Ahmer University of Adelaide	ICSM Metadata Working Group Irina Bastrakova Geoscience Australia	<i>Research@Locate</i> A walkability index targeted to older Australians in regional cities Rachel Whitsed Charles Sturt University	The Future Professional Craig Sandy Land Use Victoria	<i>Research@Locate</i> Quantification of the influence of materials to the urban heat island effect - a case study Petra Helmholz Curtin University
DynAdjust – A rigorous, efficient and flexible means for computing position and uncertainty in large geodetic, survey and cadastral networks Roger Fraser DELWP	<i>Research@Locate</i> The Use of Phenology Attributes Derived from PROBA-V 100m NDVI Imagery in Mapping of Peanut Crops in Queensland, Australia Haerani Haerani University of Southern Queensland	The Future of Australian Geodesy Nicholas Brown Geoscience Australia	Movement and Place in the 30 Minute City Ashlea Davy Arup	Transitioning to a Leader, how to tai change your role in a technical team Mina Jahanshahi GHD	The Melbourne Map - Illustrating a City Melinda Clarke City Maps Illustrated Pty Ltd
Modernising Victoria’s digital cadastre – lessons learnt, current progress and future goals Roger Fraser DELWP	Precision Ag - from boutique to mainstream Tim Neale Datafarming	Knowing Our Place: the future role of government in taking our industry forward Simon Costello Geoscience Australia	<i>Research@Locate</i> A Spatial Analysis of Road Crashes in the Melbourne Metropolitan Area Gang-jun Liu RMIT	Digital Earth Australia - Developing an Industry Strategy Trent Kershaw, Geoscience Australia & Eva Rodriguez Rodriguez, FrontierSI	<i>Research@Locate</i> Towards urban well-being and resilience: Developing a geospatial framework for prioritising nature in cities Siobhan Colombo Cities Research Institute, Griffith University
Introducing the Victorian 2D/3D ePlan Innovative Applications Hamed Olfat DELWP	The Next Generation of Agriculture Technologies Powered by Remote Sensing and Artificial Intelligence Andrew Steele Digitalglobe	DELWP is driving the future through its Spatial Transformation Program Anthony Draga DELWP	Commuting Distance for Australia Shaun Copley Australian Bureau of Statistics	<i>Research@Locate</i> Using crowd sourcing and web-maps to promote student engagement with spatial concepts – a case study in a South African University Erika Pretorius University of Pretoria	Cooling and Greening Melbourne With the Aid of Spatial Data Emily Allsopp DELWP

Cadastre-as-a-service to support a digital property sector Adrian White NSW DFSI - Spatial Services	The development of an integrated Geospatial system for agricultural boundary delineation Greg Foster Royal Australian Navy	VicPlan - Digital Transformation of State-wide Planning Data Justin Madex DELWP	Reducing head-on crashes through 3D spatial analysis Andrew Wilson Abley Ltd	Safety, Diversity and Inclusion – Corporate, Spatial and Digital Enablement Mary-Ellen Feeney Jacobs	Presentation to be confirmed
AFTERNOON TEA					
CONCURRENT SESSIONS					
SURVEYING IN A DIGITAL WORLD	EMERGENCY PREPAREDNESS AND RESPONSE	PUBLIC INFRASTRUCTURE FOR A DIGITAL AGE	ASSETS AND TRANSPORT: SMART DECISIONS AND SMART INFRASTRUCTURE	THE INDUSTRY OF THE FUTURE	THE URBAN EXPERIENCE – THE ROLE OF LOCATION TECHNOLOGIES IN CREATING LIVEABLE CITIES OF THE FUTURE
GDA2020 implementation forum	<i>Research@Locate</i> Developing Affordable Remote Immersive Collaboration Spaces for All Cheryl Desha Griffith University	What have we done for you lately.... Graham Hammond Geoscience Australia	Cooperative Vehicles - a spatial challenge for Queensland Justin White Transport & Main Roads	Going Geospatial in Queensland Michelle Brooks Cooking Dough Research & Marketing	Shadeways - Developing an optimal travel route network model in consideration of thermal comfort Geoff Williams Spatial Vision & Harmen Romeijn, Spatial Vision
	Improving Emergency response through integrating field data into specialised web mapping systems Naomi Withers DELWP	Development of a competitive environment for the provision of Survey and Geospatial data, products and services - An experience from overseas strategic consulting Zaffar Sadiq Mohamed-Ghouse, Spatial Vision & Graeme Kernich, FrontierSI	Transport, Infrastructure, Privacy and Public Safety: Moving to the Live Map Herman Coomans Amazon Web Services	Developing the strategy and operating model for a spatial team within a multidisciplinary organisation: a case study Nikolaas Kostraby Department of Planning and Environment	The importance of place Rafe Benli DELWP

SPACE FORUM Advancing Australia's Space and Spatial Capability Phil Delaney FrontierSI	Towards a Spatial Knowledge Infrastructure for Flood Risk Management Matthew Wilson Geospatial Research Institute	The Standards Development Organisations (ISO/TC 211, OGC and IHO) and their work supporting the United Nations Sustainable Development Goals (SDGs) Chris Body It-004 Geographic Information Committee (standards Australia)	A Digital Transformation Platform for Property Development Transactions Mark Watt Business Aspects	Successfully Managing Tenders and Recalcitrant Vendors Bruce Douglas Corporate GIS	3D Queensland Economics and Road Map and Governance Framework for a Digital Built Environment Alan Smart, Acil Allen Consulting & Michael Haines, Vanzi
	Geospatial analytics in a modern fire and rescue context Anthony Griffiths Metropolitan Fire and Emergency Services Board	Sands through the hourglass - mapping the days of our lives Evan Quick GHD	Work smarter with infrastructure visualisation Liz Fulton Cardno Pty Ltd	Determining the Future Demand for Surveyors and Geospatial Professionals Michelle Blicavs & Phil Dingeldei, Consulting Surveyors National	3D object classification in reality mesh using Deep Learning Fabrice Marre Aerometrex
	Presentation to be confirmed	Developing a 4D NSW Foundation Spatial Data Framework to underpin the NSW Digital Twin Wayne Patterson & Brenton Ray Spatial Services	Project base data extraction tool Richard Syme Aurecon	Women who know their place Elaine Mcalister Department of Conservation	Urban forest indicators using a combined airborne LiDAR and 3D photogrammetry approach Fabrice Marre Aerometrex
SESSIONS END (1720)					
PRE-DINNER DRINKS (1815)					
ASIA PACIFIC SPATIAL EXCELLENCE AWARDS (1900)					

WEDNESDAY 10 APRIL 2019

CONCURRENT SESSIONS

SURVEYING IN A DIGITAL WORLD	THE GEOSPATIAL TECHNOLOGIES DRIVING OUR DIGITAL FUTURE	PUBLIC INFRASTRUCTURE FOR A DIGITAL AGE	ASSETS AND TRANSPORT: SMART DECISIONS AND SMART INFRASTRUCTURE	GEOSPATIAL TECHNOLOGY'S ROLE IN MANAGING UTILITIES	THE URBAN EXPERIENCE – THE ROLE OF LOCATION TECHNOLOGIES IN CREATING LIVEABLE CITIES OF THE FUTURE
QA4MBES – Quality Assurance for Multibeam Data Sam Amirebrahimi FrontierSI	Digital Earth Australia - from Satellites to Insights Alicia Thomson Geoscience Australia	Raster Data Platform for the Victorian Government Andrew Densley DELWP	Retro-BIM - An existing asset digital journey Antoine Burdett Aecom	Planning wireless networks in 3D Stephen Neale Nearmap	Smart Redevelopment in the City of Maroondah Nora Lamont Maroondah Council
Scan to BIM to GIS. A case study around a Sydney Icon Jonathon Saxon Project Surveyors	Cliniface - measurement Paula Fiévez FrontierSI	Moving the Department of Conservation's GIS to the cloud – The highs and lows? Elaine Mcalister Department of Conservation	Snowy 2.0 Geotechnical Investigation: Paperless Project Management Marcus King GHD	UAV Collision Avoidance for Power Network Inspections Nathan Quadros FrontierSI	Trees! Where are they? How are they? Felix Lipkin FrontierSI
Datum modernisation to position Australia for the future Alex Woods SGV - Geodesy	GIS in the cloud: a blue print for modern deployment Kate Ramsey ESRI Australia	<i>Research@Locate</i> Architecture for a Spatial Knowledge Infrastructure to facilitate knowledge on-demand environments Ivana Ivanova Curtin University	<i>Research@Locate</i> Scaling social rules to multi-party traffic negotiations Surabhi Gupta University of Melbourne	Benchmarking GIS Capabilities across the National Water Industry Graeme Martin Spatial Vision	Towards a high value open space dataset for Australia Michael Rigby AURIN/University of Melbourne
Legal traceability of GPS positions in Australia Guorong Hu Geoscience Australia	Analyzing the Performance of the Australian NZ SBAS Test Bed Services Ryan Keenan Septentrio	Delivering authoritative Australian Government spatial Linked Data on the Web - The Loci Project Paul Box CSIRO	Here is your BIM... wait... what - I just want information David Bruce OMNILINK Pty Ltd & George Havakis, GISSA International	Technology applied though the Asset Lifecycle Heath McMahon Melbourne Water	Safer Cities with 3D Speaker TBC Nearmap
Professional ethics in an age of Disruption Tony Proust Sole Operator	Regional Housing Supply Monitor NSW Simon Laird GHD	The Australian Cancer Atlas	<i>Research@Locate</i> Improving aviation safety: Testing the new SBAS for civil aviation Christopher Lambert University of Melbourne	Streamlining Sewer Hydraulic Model Build Processes for Water Utilities Nicholas Dahl GHD	<i>Research@Locate</i> Coping with Climate Change: Developing Indicators and Indices for Mitigation and Adaptation Using Geospatial Technology Chayn Sun RMIT University

MORNING TEA					
CONCURRENT SESSIONS					
SURVEYING IN A DIGITAL WORLD	THE GEOSPATIAL TECHNOLOGIES DRIVING OUR DIGITAL FUTURE	PUBLIC INFRASTRUCTURE FOR A DIGITAL AGE	TECHNOLOGY AND DATA TO PROTECT OUR ENVIRONMENT FOR FUTURE GENERATIONS	GEOSPATIAL TECHNOLOGY'S ROLE IN MANAGING UTILITIES	THE URBAN EXPERIENCE – THE ROLE OF LOCATION TECHNOLOGIES IN CREATING LIVEABLE CITIES OF THE FUTURE
3D Visualization Method for Deformation Monitoring Data Lee Hellen Monitum Pty Ltd.	Demystifying the art and science of UX for GIS Stuart Hill ESRI Australia	Developing AGO Capability through Partnerships and Innovation Chris Hewitt Australian Geospatial - Intelligence Organisation	Mapping disturbance across Victoria's forests using three decades worth of Landsat time series imagery Mariela Soto-Berelov RMIT University	In Data We Trust Alex Webster Powercor/Citipower	<i>Research@Locate</i> Building change detection through comparison of lidar scan with building information model Ha Tran University of Melbourne
QA4UAV: An end-to-end workflow for ensuring fit-for-purpose UAV data Jess Keyzers FrontierSI	Driving towards our Digital Future – a practical Machine and Deep Learning framework for Geospatial applications Dipak Paudyal ESRI Australia	Location Index - Bring together socio-economic, statistical and environmental data Shane Crossman Geoscience Australia	Riverlines - Lidar Analysis Speaker TBC	Sub-Surface Reality Capture - The benefits of 3D-GPR for subsurface investigations Graham Walker VAC Group/Earth Radar	Location intelligence, machine learning and city planning. How RAISE is modelling a city near you Chris Pettit University of New South Wales
Drones for Mapping Hazardous Environments Alexander Kondilios Sphere Drones	Everything is addressable Gerry Stanley Pitney Bowes Software and Data	National Spatial Data Infrastructure Collaboration Initiative Panel Steve Jacoby, Queensland Department of Natural Resources, Mines and Energy Wayne Patterson, NSW Department of Finance, Services and Innovation	<i>Research@Locate</i> Automated Spatial Explanations Matt Duckham RMIT University	Improving the process of data consumption, mapping and tracking of utilities infrastructure data on University and Airport campuses to enable smart management, operation and planning Colin Hobson Open Spatial	<i>Research@Locate</i> Harnessing geospatial urban data to champion blue-green infrastructure strategies' Christian Urich Monash University
The Path to Trusted High Precision GNSS Sue Lynn Choy & Ken Harima, RMIT University	Learning the Open Source Geospatial toolkit in five minutes Jonah Sullivan Geoscience Australia	Roger Fraser, Victorian Department of Environment, Land, Water and Planning	Saving one of the largest underground freshwater resources in the world Megan Stanley GHD	How to make your Data Smarter and what are the benefits Andrej Mocicka 1spatial Australia	Towards a Digital Twin - Using TerriaJS to visualise 3D/4D data of the built environment including property and administrative boundaries Kevin Ring CSIRO's Data61
		Marie Truelove, CSIRO's Data61			

Ground and Aerial Survey Applications for Engineering Design and Construction of the Sunshine Coast International Airport Toby Clewett Sunshine Coast Council	The Open Data Cube in a Box Alex Leith FrontierSI	Phil Delaney, FrontierSI Judi Dawton, Commonwealth Department of Industry, Innovation and Science	Trials, tribulations and triumphs of mapping elephant herds in rural Kenya Aneeta Nathan Jacobs	<i>Research@Locate</i> Incorporating spatiotemporal variability into techno-economic assessments of alternative renewable energy technologies Sofanit Araya The University of Adelaide	Presentation to be confirmed
LUNCH					
CONCURRENT SESSIONS					
SURVEYING IN A DIGITAL WORLD	THE GEOSPATIAL TECHNOLOGIES DRIVING OUR DIGITAL FUTURE	PUBLIC INFRASTRUCTURE FOR A DIGITAL AGE	TECHNOLOGY AND DATA TO PROTECT OUR ENVIRONMENT FOR FUTURE GENERATIONS	GEOSPATIAL TECHNOLOGY'S ROLE IN MANAGING UTILITIES	OPEN GEOSPATIAL CONSORTIUM (OGC) SYMPOSIUM
Impacts and opportunities of new technology forum	The reality of digital disruption in our industry Martina Broder PSMA Australia	Positioning Australia for the Future John Dawson Geoscience Australia	Managing Australia's Water Assets with Free and Open Satellite Imagery Claire Krause Geoscience Australia	Modern workflow for dynamic management and hydraulic modelling of the combined water and waste water system for the City and County of San Francisco Greg Braswell City and County of San Francisco Public Work	
	<i>Research@Locate</i> How green are our cities? Mapping street trees using Google Street View photos Alan Both RMIT University		<i>Research@Locate</i> Determining Categorical Criteria for Landslide Susceptibility Analysis: Which criteria should I use? Trias Rahardianto University of Canterbury	Consequence Assessment of Catastrophic Water Main Failure Dan Boitshoko GHD & Nicholas Deeks GHD	
	Digitisation of Assets - Reality Modeling Anna Murray Bentley Systems Pty Ltd	UNLOCKING OPPORTUNITIES WITH PRECISE POSITIONING Mark Trotter CQUniversity Arko Lucieer	Geospatial capabilities of the Bureau of Meteorology, Australia's trusted supplier of weather, climate, environmental and water information Matthew Brooks Bureau of Meteorology	Development of a Third-Party Consequence Model for Water Main Failure David Kelly Jacobs	

	Utilising Geospatial Tools for Enhanced Condition Assessments Angela Marsh Jacobs	University of Tasmania Nicole Bergersen Acoustic Imaging Julia Mitchell, FrontierSI	<i>Research@Locate</i> Spatial analysis of climate metrics to locate potential climate change refuges Andrew Hall Charles Sturt University	Integrating Design and GIS within Utilities David Clancy Powercor/citipower	
	GeoBI: An open-source data visualisation platform Neal Johnston Orbica Ltd		Engaging the Community through Environmental Impact Statement Navigator Donny Darmawan Arup	Streamlining Data Collection, Progress Tracking and Analysis on a Stormwater Drainage Network David Malins Jacobs	
AFTERNOON TEA					
PLENARY SESSION					
Building a resilient geospatial community Teresa Townsend, CEO, Planning Communities					
Geospatial intelligence: How it's transforming the insurance industry Ryan Bank, Managing Director of GIC					
Imagery to Outcomes Rishi Daga, CEO, EagleView					
Sustainability and Resilience: a discussion on the role of geospatial Toby Kent, Chief Resilience Officer, Melbourne					
Closing Ceremony (end at 1700)					