



Locate 21

THE GEOSPATIAL EVENT

29TH MARCH - 1ST APRIL

OFFICIAL 2021 PROGRAM



Register today at
www.locateconference.com



COME & JOIN US AT THE GEOSPATIAL EVENT OF THE YEAR

**FOUR DAYS OF LEARNING, NETWORKING & COMING TOGETHER AS AN INDUSTRY WHO BELIEVE THAT NOW,
MORE THAN EVER, LOCATION MATTERS!**

Each year, the Locate conference attracts national and international delegates from within and outside the spatial & surveying industry. As Australia's premier spatial & surveying conference, Locate provides guests with a unique opportunity to learn about the latest trends and applications in geospatial technologies and encourages them to harness the power of location like never before.

It also facilitates networking and business development. This year we are excited to introduce our new hybrid model event for the Locate21 Conference. The conference will see a combination of virtual and live in person events in Brisbane, Sydney, Melbourne, and Canberra. With a range of new formats and events we hope this will allow even more people to participate, whether that be meeting up at one of many local live sites or patching in online from your workplace or home.

Virtually and in person, we will share how geospatial and location technologies and practices are being used, highlighting the fundamental role they play in enabling our digital economy throughout theme **Convergence, Collaboration and Community – towards a stronger economy**.

LIVE SITE LOCATION

SYDNEY LIVE SITE: Red Centre Gallery, UNSW - Kensington Campus, Kensington NSW 2052

The City Analytics (CAL) Tour (book on site at event at registration desk)

The City Analytics Lab (CAL) is a dedicated space designed to support collaborative city planning and user centred design. CAL is situated within the School of Built Environment, UNSW and supports both research (City Analytics) and teaching (Master of City Analytics). CAL comprises a large decision support theatre, and three dedicated Virtual Reality (VR) / Augmented (AR) Reality rooms, along with a Tangible Table sandbox and observation rooms for undertaking experiments. CAL has been established to support the envisioning of sustainable, productive, liveable and resilient cities and provides a unique opportunity to study the decision-making processes associated with city planning and design.

Have the chance to meeting the following sponsors:





MONDAY 29 MARCH – VIRTUAL ONLY
SYDNEY TIME SHOWN ON PROGRAM



OPTIONAL WORKSHOPS

Workshops on Monday are being held to the platform only, no in person aspect. Pre-registration is required.

1030 – 1130 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect. Pre-registration is required.

Southern Positioning Augmentation Network (SouthPAN)

Moderator: Eldar Rubinov, FrontierSI

Panellists: Christian Wullems, Qascom Australia Pty. Ltd., Charles Wang, Queensland University of Technology, Dean Dobson, Buildvation, Grant Pearse, Scion Research

The aims of this workshop are to inform attendees of the Satellite Based Augmentation System (SBAS) for Australia and New Zealand, explain what the system is and how it works, present some findings from the SBAS Test-bed between 2017-2019, and outline current work being done to test the SBAS for operational use across all sectors of industry. We hope that the attendees will be aware of the new signals, the benefits of using the new technology, will know where to go to get further information about SBAS, and how to go about integrating the system with industry-specific solutions.

1030 – 1300 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect. Pre-registration is required.

Making Data Smarter

Andrej Mocicka, Ashish Manandhar, Michael Studdert, Andrew Bashfield, Sam McDonald, Priyantha Pallagama, Tom Farrington + Simon Laird, 1-Spatial

Whether you are working in government, utility or transportation industries, the one thing that most people would agree on, is that data has never been quicker and easier to obtain. With this, the amount of data that can and is collected, has increased exponentially in a number of areas. What arguably has not become easier, is managing the data and providing smart data to both the spatial and non-spatial industries.

This workshop will showcase our product range and case studies providing examples of how data is being obtained and then utilised for a variety of purposes. They will show that the data provided was not suitable for various reasons and how by using simple business rules data was validated. In addition, it will be shown that where data has not complied to the business rules, data can be rectified to ensure it will validate and thus allow it to be used with confidence going forward. Ultimately being able to use the business rules to create and extract additional intelligent information from the validated and corrected data.

The workshop will cover Intro to 1Spatial, 1Integrate – case study, How FME is used around the world, 1Data Gateway – case study, FME Products, FME Case Study Yarra Valley Water, A chat with 1Spatial’s Tech team.

1130 – 1330 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect. Pre-registration is required.

Fundamentals of Digital Twin Readiness (30 participants max)

Adam Beck, Smart Cities Council & Gavin Cotterill, PCSG Australia

The Smart Cities Council and consultancy firm PCSG will be hosting a Digital Twin Readiness Workshop at Locate21. This first of its kind training session will provide delegates with a thorough overview of digital twins, the benefits, the core principles, and practices, as well as explore the role that the spatial sector play in this emerging agenda. This workshop has been designed for both government and private sector stakeholders alike, and will touch on both policy making issues, and key issues relevant to practitioners. The workshop also draws on leading frameworks and standards, and relevant guidance documents that delegates will be able to reference after the session.

The workshop agenda will be structured as follows:

Overview: The Digital Twin	Participants will gain a full understanding of what a digital twin is; how its different components work together synergistically; the benefits it delivers to governments, industry and citizens; and a conceptual framework for understanding opportunities.
Universal principles of a Digital Twin	Understand the key universal principles that apply to any digital twin, as outlined in the Digital Twin Guidance Note (Smart Cities Council). These principles were derived from existing reference materials, such as the Centre for Digital Built Britain and supporting BSI and ISO standards.
Digital Twin Case Studies	Presentation of diverse digital twin use cases, drawing upon real-life case studies from around the world.
Strategy on a Page	High-level drafting of Digital Twin strategy for your organisation, including targets, outcomes, investments, and actions.



MONDAY 29 MARCH – VIRTUAL ONLY (CONTINUED)

Virtual

SYDNEY TIME SHOWN ON PROGRAM

OPTIONAL WORKSHOPS

Workshops on Monday are being held to the platform only, no in person aspect. Pre-registration is required.

1130 - 1330 Sydney time

Virtual Only – *workshop is being held to the platform only, no in person aspect. Pre-registration is required.*

Surveying and Spatial Professional Volunteers Program – Making Life Better for Others through Knowing Where!

Dr Lesley Arnold, President-elect SSSI and Chair SSSI DMR-SIG & Nathan Eaton, NGIS Australia

This workshop aims to gather information from surveying and spatial sciences professionals on what they want from a ‘Surveying and Spatial Professional Volunteers Program’. One of the many reasons people join a professional body is to give back to the community. Traditionally, volunteers have achieved this through committee roles, providing support at events, and mentoring young professionals. Increasingly, our Members are now turning to SSSI for a pathway to contributing to national and global efforts in times of crisis. This was the case during the Australian bushfire crisis. During the height of the fires, SSSI received an unprecedented number of ‘Calls to Action’ by its Members and sustaining partners to respond in a professional capacity to the bushfire crisis. Their question “what could they do to help their fellow Australians”. SSSI recognised quickly, that as a national peak professional body, it was well-positioned to respond to Member aspirations, and it did this by spearheading the Bushfire Recovery Map-a-thon. The map-a-thon highlighted the need for a Volunteer Capability Framework to build a solid plan of action to quickly and routinely manage national volunteer response efforts in the future - be it a response to bushfire, flood or pandemic etc. There is also growing interest from SSSI young professional community for an Australian surveying and spatial sciences professional volunteer network to support community development overseas, much like the strong volunteer networks achieved by MapAction and Engineers Without borders, globally.

Join us to share your thoughts and aspirations for a ‘Surveying and Spatial Professional Volunteers Program’. This information will be incorporated into the Surveying and Spatial Professional Volunteer Strategy and Framework’ being developed by the SSSI Disaster Management and Recovery Special Interest Group (DMR-SIG). It will also help to define and develop the partnerships SSSI needs to make this much needed ‘Volunteering Capability’ a reality for our profession.

1430 – 1630 Sydney time

Virtual only – *workshop is being held to the platform only, no in person aspect. Pre-registration is required.*

Hyperspectral Analysis for Material Identification (30 participants max)

Megan Gallagher, L3 Harris Geospatial



In this hands-on workshop, we will be using hyperspectral imagery (UAV and Aerial based) to find and classify rare materials, such as minerals on the Earth's surface. Using hyperspectral imagery and the ENVI software suite the attendee will be able to isolate and exploit more distinct spectral features than that with multispectral imagery. L3Harris Geospatial will be providing temporary license of ENVI and data for the workshop one week prior to all attendees registered for the workshop; The attendees will be able to keep the licenses for further 2 weeks to enable them to practice the materials covered during the workshop on their own on completion of the workshop.

1430 – 1630 Sydney time

Virtual only – *workshop is being held to the platform only, no in person aspect. Pre-registration is required.*

Complex Visualisation Workshop (10 participants max)

Dayna Hayman, Strategic Designer

Here’s a scenario: you’ve just undertaken an incredible journey to develop an in-depth understanding of a system, new service, framework or data insight. The inputs and issues to consider may have been vast and complicated. However, you have managed to create a nuanced and innovative response that tackles them all. Now all that’s left to do is to get your target audience to engage deeply with the initiative, and action it in the way you need them to.

So how do you translate your complex new initiative into clear and powerful messaging? How do you cut through the noise without losing the nuance that makes your initiative impactful?

If you’re interested in exploring how you can transform your ideas, research and data in powerful, engaging visuals come along to this workshop. I’ll introduce you to a new method to communicate, begin exploring your key audience and messages and even pick up a pencil to visually conceptualise them.



MONDAY 29 MARCH – VIRTUAL ONLY (CONTINUED)
SYDNEY TIME SHOWN ON PROGRAM

Virtual

OPTIONAL WORKSHOPS

Workshops on Monday are being held to the platform only, no in person aspect. Pre-registration is required.

1430 – 1530 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect.



Next-generation AI content: Helping government departments plan for community change

Michael Bewley, Senior Director of AI, Nearmap

Join Michael Bewley, Senior Director of AI in a discussion that will explore the use of automated vector maps from Nearmap in navigating community change. Hear real world examples of how government departments are leveraging a rich stack of aerial content to detect change over time — from shifts in tree canopy to impervious surface analysis.

There will also be a ‘Getting Started’ discussion, and an opportunity for a Q&A to answer any questions related to the transition from simple property attributes to detailed, HD vector maps.

1515 – 1615 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect.



AWave – Maxar’s automated change detection solution

Mr Rafael Kargren, Senior Manager, Sales (Oceania)

AWave is the Earth Intelligence alerting and notification system for near real time multisource monitoring of the physical world focusing on change Detection via EO and SAR. It’s an AOI based monitoring product for users that need to have consistent awareness for non-technical users to leverage the advanced analytics capabilities of Maxar

1630 – 1830 Sydney time

Virtual only – workshop is being held to the platform only, no in person aspect. Pre-registration is required.

Influencing Decision Makers

Andrew Coote, Nigel Edmead & Maurits van der Vlugt

As a geospatial professional it can be difficult to make the business case for investment in geospatial information and systems. A strong business case containing strong socio-economic and strategic reasons is not however sufficient to persuade decision makers. You need to think about how you craft and communicate your messages to these individuals. This webinar has been developed to help you plan, prepare and execute an effective communications strategy to ensure decision makers, be they CEOs in business or Policy Advisors in Government, are convinced. The speakers bring many years of experience in effective communications with decision makers:

Andrew Coote, Chief Executive and Principal Consultant, ConsultingWhere

B.Sc (Land Surveying and Geography), M.Sc Computer Science, FRGS, MRICS, MBCS

Andrew has over thirty years’ experience in the development and use of information systems, specialising in the management of location-enabled applications. He has held senior management positions in both the public and private sector in the UK and Seychelles. His expertise lies in strategy development and implementation, return on investment and market assessment. He has undertaken an extensive range of strategic assignments in East Asia, Eastern Europe, Southern Africa, Australasia, North and South America and the Middle East for customers including the World Bank, European Union, United Nations Food and Agriculture Organisation, Land Information New Zealand and Ordnance Survey.

Nigel Edmead, Principal, Enumanation

B.Sc (Geography), M.Sc Land Resource Management, FRGS

Nigel is a geo-focused learning development specialist with over 30 years’ experience in the geo-spatial sector. Specialising in training and documentation he has applied GIS to improve urban and environmental planning in Indonesia and the Philippines, worked on introducing new computerised land administration systems in Nigeria, Uganda and Zambia and supported the launch of new geospatial products and solutions to the market in the UK.

Maurits van der Vlugt, Director Location Solutions, Mercury Project Solutions

Maurits was doing GIS subjects before they were formally offered at his university, so he has always been a step ahead in this game — just one reason why he is a leading authority in location information in Australia. Maurits consults across government and the private sector delivering strategic location-intelligence solutions and spends time volunteering with GeoRabble, Locate Conferences and mentoring young professionals to give a voice to emerging trends and topics.



TUESDAY 30 MARCH – VIRTUAL & IN PERSON
SYDNEY TIME SHOWN ON PROGRAM

0930	Arrival at live sites & registration	Red Centre Gallery, UNSW
OPENING CEREMONY & PLENARY SESSION		Chair: Steven Jacoby, Department of Resources
1015	Live site Host Welcome <i>A/Prof Phil Oldfield, UNSW</i>	
1030	Welcome to Country & Opening Ceremony <i>Mike Kaiser, Acting Director-General, Department of Resources</i>	Virtual
1100	The geography of crime: How the NY State Police catch a killer <i>Kellen Crouse, Senior Intelligence Analyst, New York State Police</i>	Virtual
1125	Powering Australia's future through land and spatial innovation <i>Melissa Harris, Deputy Chair, ANZLIC</i>	Melbourne Live.
1150	Future science and future researchers: how will we work in the future <i>Dr Cathy Foley AO PSM, Chief Scientist of Australia</i>	Virtual
1215	Break & networking: <i>Catering provided</i>	
1215	Hear from our sponsors 1 Spatial, Geoplex and Planet	Virtual
1225-1255	The City Analytics (CAL) tour – book in at the registration desk – max. 15 persons <i>CAL sits within the School of Built Environment, UNSW and supports research undertaken within the City Futures Research Centre and across the School of Built Environment.</i>	
1230-1250	The Locate Hub – hosted by Laura Kostanski & Roshni Sharma <i>Join Kellen Crouse, Melissa Harris & Dr Cathy Foley to discuss the future application of spatial</i>	Broadcast shown in session room Virtual
PLENARY SESSION		Chair: Danika Bakalich, General Manager, SIBA GITA
1300	Transforming GEOINT <i>Scott Dewar, Director, Australian Geospatial-Intelligence Organisation (AGO)</i>	Virtual
1325	Space and Spatial - Challenges & Opportunities <i>Prof Alan Duffy, Director, Swinburne's Space Technology and Industry Institute</i>	Virtual
1350	Grand Debate: Opportunities and Challenges in Space + Spatial sector Chair: Dr Zaffar Sadiq Mohamed-Ghouse, Vice Chair, Locate Conferences Australia Speakers: <u>Team A: Private Sector</u> <i>Dr Kumar Navulur, Senior Executive Director, Maxar</i> MAXAR <i>Nick Lindsay, Chief of Staff, Gilmour Space Technologies</i> <u>Team B: Government</u> <i>Alison Rose, Chief of Place, Space & Community Safety, Geoscience Australia</i> <i>Scott Dewar, Director, Australian Geospatial-Intelligence Organisation (AGO)</i> <u>Team C: Research</u> <i>Dr Alex Held, Director, Earth Observation, CSIRO</i> <i>Dr Peter Woodgate, Chair, SmartSat CRC</i> <u>Team D: Business Association</u> <i>James Brown, CEO, Space Industry Business Association</i> <i>Glenn Cockerton, Director, Spatial Industry Business Association</i>	Virtual
1430	Break & networking: <i>Catering provided</i>	
1450-1520	The Locate Hub – hosted by Laura Kostanski & Roshni Sharma <i>Join Alison Rose, Dr Peter Woodgate, Prof Alan Duffy, Scott Dewar, Dr Zaffar Sadiq Mohamed-Ghouse to discuss Transformational change</i>	Watch on own device Virtual
1445-1520	More than just maps - Enhancing decision making workflows <i>Stephen Neale, Nearmap</i> This session will not be broadcast online.	Happening live in session room Sydney Live.
1450-1520	The City Analytics (CAL) tour – book in at the registration desk – max. 15 persons <i>CAL sits within the School of Built Environment, UNSW and supports research undertaken within the City Futures Research Centre and across the School of Built Environment.</i>	



TUESDAY 30 MARCH – VIRTUAL & IN PERSON

SYDNEY TIME SHOWN ON PROGRAM

CONCURRENT SESSIONS – The below individual speaker times may vary slightly than the time shown

	SUSTAINABLE DEVELOPMENT GOALS (SDG) Chair: Cheryl Desha Broadcast shown in session room	LIVEABLE CITIES: DATA & DIGITAL TWINS Chair: Nathan Quadros, Veris Watch on own device	SURVEYING THE LANDSCAPE: BIG DATA & NEW TECHNOLOGIES Chair: Rob Clout, Aerometrex Watch on own device	ADAPTATION, MODERNISATION: TOWARDS THE FUTURE Chair: Helen Spencer, DNRME Watch on own device
1530	<p><i>Michael Reid, Office of the Commissioner for Environmental Sustainability</i></p> <p><i>Abbas Rajabifard, The University of Melbourne</i></p> <p><i>Martin Brady, Geoscience Australia</i></p> <p><i>Michelle Blicavs, Association of Consulting Surveyors NSW</i></p> <p><i>Graeme Martin, Spatial Vision</i></p>	Virtual Reality's role in the future of GIS/BIM Visualisation <i>Marcus Jakovljevic, GHD Digital</i>	AusSeabed: Collaborating to maximise Australia's seabed mapping efforts <i>Kim Picard, Geoscience Australia</i>	Positioning Queensland: Queensland's Spatial Modernisation Program <i>Steven Jacoby, Department of Resources</i>
1540		The AURIN ecosystem of data, analytics and modelling services for the social and urban data science community <i>Stuart Barr, Australian Urban Research Infrastructure Network</i>	Unmanned (RPAS) Laser Scanning - where are we today, and what should we expect in the near future? <i>Glenn Blyth, Riegl Australia Pty Ltd</i>	3D Qld RoadMap - Pathway to Digital Spatial Future <i>Peter Sippel, Veris Australia Pty Ltd</i>
1550		Spatial Digital Twins – learnings from the journey towards a National Digital Twin Ecosystem <i>Marie Truelove, CSIRO Data61</i>	Data Acquisition - combining data from heights and depths <i>Amy Steiger, Cardno</i>	Lessons Learned in Victoria's Digital Cadastre Modernisation Project – From Business Case to Production <i>Roger Fraser, Department of Environment, Land, Water and Planning</i>
1600		Ingredients for an Environmental Digital Twin: A Coastal Hazards Use Case for Port Phillip Bay, Victoria <i>Mahesh Prakash, Csiro Data61</i>	<u>1610 start time.</u> Lidar panel <i>Samuel Holt, Aerometrex</i>	Digital Cadastral Modernisation Adjustment System <i>Ian Miller & Tom Hollands, Spatial Vision</i>
1610		Pau: The French Smart City that is pioneering the art & science of Multiscale 3D Modelling <i>Fabrice Marre, Aerometrex</i>	<i>Heath McMahon, Melbourne Water</i> <i>Liam Thierens, Bennett + Bennett Group</i>	A national approach towards digital cadastral survey lodgement <i>Anselm Haanen, LINZ</i>
1620	<u>1625 - 1640</u> Panel discussion	<u>1630 -1640</u> Panel discussion	<u>1630 -1640</u> Panel discussion	
1640	End of sessions			
1645-1735	<p>Strengthening the partnership between Defence and defence industry</p> <p>Chair: Kate Williams, Chief Business Officer, FrontierSI</p> <p><i>Dr Peter Sawczak, First Assistant Secretary Defence Industry Policy</i></p> <p><i>Allison Patrick, Director GEOINT Program Office</i></p> <p><i>Brendan Beahan, Deputy Leader Resilient Multi-Mission Space STaR Shot</i></p> <p><i>Air Commodore Philip Gordon, Director General Air Defence and Space – Air Force</i></p>			Broadcast shown in session room
1800	<p>"Happy Hour" - For anyone who wants to continue networking at the end of the day, Roundhouse, UNSW, is the nominated bar nearby where you can buy your own drinks.</p>			



TUESDAY 30 MARCH – VIRTUAL & IN PERSON (CONTINUED)

SYDNEY TIME SHOWN ON PROGRAM

OPTIONAL WORKSHOP

Join on own device

1645 – 1845 Sydney time

The Open Data Cube (ODC) Workshop (30 participants max)

Alex Leith, Geoscience Australia

Pre-registration required.

Virtual

The Open Data Cube (ODC) is a collaborative effort to develop software and a community of users around a common goal of increasing the ease of access to Earth observation data. The increase in the number of Earth observing satellites over the past few years, coupled with new open data policies and new storage formats like Cloud Optimised GeoTIFF, means that there is a need for a standard way to plug in to this data and enable analysis processes. The ODC provides this way.

This workshop will introduce you to Digital Earth Australia's (DEA) implementation of the ODC, the DEA Sandbox, and through the use of the Sandbox, you'll work through a suite of examples that show you what the ODC can do and what data DEA make available for Australia. This workshop will cover the following topics:

- What is analysis ready data
- What is Jupyter and how can I use it
- Using simple Jupyter apps to explore data
- Do-it-yourself example implementing NDVI from scratch
- Advanced example using Landsat 8 optical data to identify coastlines over time
- Advanced example using Sentinel 1 radar data to identify water

IMPORTANT PROGRAM NOTES

- All sessions unless stated will be broadcast online and recorded so you can watch back later – this means you get access to 100% of the program!
- Live sites will only be held on Tuesday 30 and Wednesday 31 March
- Program times are listed in Sydney time
- Yellow tabs throughout the program indicate if a presentation/session is being made at a live site or virtually.
- All concurrent sessions are held virtually – only plenary speakers may present at a live site.
- One stream of concurrent sessions will be shown at a live site – bring along your own device to watch other streams.

LOCATE PODCAST

Where we share with you a deep dive into the lives, motivators, and future legacies of some of the key players of the Locate Conference, Australia's annual national gathering for custodians of location data creation and management.

Listen now at <https://anchor.fm/locate-podcast>, or on your podcast provider of choice!





WEDNESDAY 31 MARCH – VIRTUAL & IN PERSON
SYDNEY TIME SHOWN ON PROGRAM

0900	Registration opens	Red Centre Gallery, UNSW
0905	Live Site Host Welcome <i>Christopher Pettit, UNSW</i>	Red Centre Gallery, UNSW
0915-0940	Why we need to dramatically improve the diversity of our industry and the equally important role of inclusion <i>Amelia (Chapman) Davies - DELWP, Kellie Dean - Spiire, Prof Matt Duckham - RMIT University, Maurits van der Vlugt - Mercury Project Solutions & Roshni Sharma - FrontierSI</i>	Broadcast shown in session room Virtual
0945-1005	The Locate Hub coffee catch up – hosted by Laura Kostanski & Roshni Sharma <i>Cheryl Desha, Nathan Quadros, & Rob Clout</i> Providing an opportunity to hear what happened in yesterday's concurrent sessions and to discuss questions like 'How does spatial data help deliver on the SDGs?' and 'How can we leverage spatial data to adapt towards a changing future?'	Broadcast shown in session room Virtual
PLENARY SESSION Chair: Noel Davidson, Department of Transport		
1020	Live site collaboration Take a sneak peek at what is happening at the Locate live sites!	Virtual
1030	The integrating Power of Location <i>Dr Nadine Alameh, CEO, Open Geospatial Consortium (OGC)</i>	Virtual
1055	Creating a location-enabled Australia <i>Alison Rose, Chief of Place, Space and Community Division, Geoscience Australia</i>	Virtual
1120	How Marketing Often Confuses The Destination with The Journey <i>Adam Ferrier, Founder, THINKERBELL</i> Appears by arrangement with Saxton Speakers Bureau	Melbourne Live.
1145	Break & networking: Catering provided	
1220-1240	The Locate Hub – hosted by Laura Kostanski & Roshni Sharma <i>Join Nadine Alameh and Adam Ferrier to discuss how do we tell the new stories of geospatial?</i>	Broadcast shown in session room Virtual
1200-1230	The City Analytics (CAL) tour – book in at the registration desk – max. 15 persons <i>CAL sits within the School of Built Environment, UNSW and supports research undertaken within the City Futures Research Centre and across the School of Built Environment.</i>	
PLENARY SESSION Chair: Paul Reed, East Coast Surveys (Aust) Pty Ltd		
1245	Sustaining the prosperity and wellbeing of your nation <i>Peter Hedlund, CEO/Managing Director, Ordnance Survey</i>	Virtual
1310	Its all about IA now, not just AI <i>Alexis Smith, Founder & CEO, IMGeospatial</i>	Virtual
1335	Project DNA – An update on Cross River Rail's unique and innovative approach to 3D Digital Engineering <i>Russell Vine, Chief Innovation Officer, Cross River Rail</i>	Virtual
1400	Break & networking: Catering provided	
1420-1450	The Locate Hub – hosted by Laura Kostanski & Roshni Sharma <i>Join Peter Hedlund, Alexis Smith & Russell Vine to discuss how do we sustain momentum in a time of continuous change?</i>	Broadcast shown in session room Virtual
1415-1445	The City Analytics (CAL) tour – book in at the registration desk – max. 15 persons <i>CAL sits within the School of Built Environment, UNSW and supports research undertaken within the City Futures Research Centre and across the School of Built Environment.</i>	



WEDNESDAY 31 MARCH – VIRTUAL & IN PERSON (CONTINUED)

SYDNEY TIME SHOWN ON PROGRAM

CONCURRENT SESSIONS – The below individual speaker times may vary slightly than the time shown

	HOW TO BUILD A NEURO-DIVERSE TEAM, AND THE BENEFITS FOR THE GEOSPATIAL INDUSTRY Chair: Craig Sandy Broadcast shown in session room	LIVEABLE CITIES: PEOPLE, PLANNING & TECHNOLOGY Chair: Harmen Romejin, Spatial Vision Watch on own device	LOCATION IN ACTION FOR THE COMMON GOOD Chair: Alison Rose, Geoscience Australia Watch on own device	LOCATION IN ACTION FOR A RESILIENT ENVIRONMENT Chair: Peter James, Cohga Watch on own device
1500	<p>Through exploring a case study from the DELWP Digital Cadastre Modernisation Project, this panel will discuss why neuro-diversity is important, the barriers and pathways to employment, and the benefits for projects, individuals, teams and our industry.</p> <p>Digital Cadastre Modernisation (DCM) Panellists include: <i>Louise Mackenzie, Kirk Mason, Mark Grant</i></p>	Victorian Planning in 3D <i>Justin Madex, Department Of Environment, Land, Water And Planning</i>	Satellites: The nexus of convergence, collaboration and community <i>Matthew Adams, Landgate</i>	SAR (Synthetic Aperture Radar) and Deep Learning for Wildfire Mapping <i>Megan Gallagher, L3Harris Geospatial</i>
1510		Resolving multidisciplinary challenges of seamless integration of data on people, business, and the environment through applying Location Index Framework <i>Shane Crossman, Geoscience Australia</i>	Exploring the work of the Intergovernmental Committee on Surveying & Mapping (ICSM) <i>Simon Costello, Geoscience Australia</i>	Emergency preparedness – pulling information together to achieve GOLD status <i>Inga Playle, Hydro Tasmania</i>
1520		Community inputs to refine multi-criteria Land Assessment <i>Coraline Jauniau & Katherine Gardner, GHD Digital</i>	How the United Nations Subcommittee on Geodesy is strengthening geodetic foundations to improve decision making <i>Nicolas Brown, Geoscience Australia</i>	The Australian Exposure Information Platform, (AEIP) impact during the 2019 and 2020 summer seasons <i>Mark Dunford, Geoscience Australia</i>
1530		An Overview of the Victorian ePlan ‘One Stop Shop’ Platform <i>Hamed Olfat, Centre for SDIs and Land Administration (CSDILA), The University of Melbourne</i>	How AGO is partnering with the Spatial Community for Innovative outcomes <i>Claire James, Australian Geospatial-Intelligence Organisation (AGO)</i>	From research to production - developing multispectral aerial imaging and Artificial Intelligence for detecting Red Imported Fire Ant nests <i>Ross Lewin, Outline Global Pty Ltd</i>
1540		<u>1550 - 1600</u> Panel discussion	<u>1545 - 1600</u> Panel discussion	<u>1550 - 1600</u> Panel discussion
1600	Day end			
1610	<p>APSEA Online Including afternoon tea (inclusive for all registered delegates) Connect with your friends and colleagues all whilst watching the APSEA online event on the big screen.</p>			<p>Broadcast shown in session room</p> <p>Virtual</p>



THURSDAY 1 APRIL – VIRTUAL ONLY
SYDNEY TIME SHOWN ON PROGRAM

Virtual

1000 - 1020 The Locate Hub coffee catch up – hosted by Laura Kostanski & Roshni Sharma
Craig Sandy, Harmen Romejin & Peter James
Providing an opportunity to hear what happened in yesterday’s concurrent sessions and to discuss questions like ‘How might we get location in action working for all sectors?’ and ‘Who else needs to be adopting spatial?’

CONCURRENT SESSIONS – The below individual speaker times may vary slightly than the time shown

	THE OPEN GEOSPATIAL CONSORTIUM (OGC) SESSION Chair: Chris Body, OGC	SURVEYING THE FUTURE FOR OUR PROFESSIONALS Chair: Paul Reed, East Coast Surveys	LIVEABLE CITIES: DATA & CHALLENGES Chair: Gregg Franz, Hexagon	LOCATION IN ACTION FOR RESILIENT COMMUNITIES Chair: Kate Crawford, Eviva
1030	<p><i>Nadine Alameh, Open Geospatial Consortium (OGC)</i></p> <p><i>Nicholas Brown, Geoscience Australia</i></p> <p><i>Jennifer George, Strategic Commercialisation Australia</i></p> <p><i>Scott Simmons, Open Geospatial Consortium (OGC)</i></p> <p><i>Adam Beck, Smart Cities Council</i></p>	Consulting Surveyors National Professional Standards Scheme <i>Steve Bishop, ACSIS Ltd</i>	Spatially enabling remote power networks on the Bass Strait Islands <i>Josh Hawkins, Hydro Tasmania</i>	Where spatial meets road safety: saving lives with innovation, insights and intelligence <i>Dale Harris, Abley</i>
1040		Challenges and Opportunities for Professional Organisations in the 21st Century - The future of SSSI <i>Paul Digney, Jacobs</i>	Easy access to government geotechnical reports and data to support infrastructure delivery in NSW <i>Trisha Moriarty, Regional NSW</i>	Realising the opportunities for growing geotourism in regional Australia: collaborative geotrail projects in NSW <i>Guy Fleming, Department Of Regional NSW</i>
1050		Searching for the future of surveyor's intellectual property <i>Jack De Lange, Australian Copyright Trust</i>	Spatial challenges for cooperative vehicles <i>Justin White, Transport And Main Roads</i>	Cliniface – Unlocking Facial Clues <i>Petra Helmholz, Curtin University</i>
1100		<u>1015 start time.</u> Future panel session <i>Laren Collen, Land Surveys</i> <i>Mina Jahanshahi, Veris</i>	Building a Census of Land Use and Employment platform for Local Governments <i>Christabel Mccarthy, City of Melbourne & Liam Densley, Geoplex</i>	How can spatial analysis reduce single car occupancy and increase more sustainable transport modes for journeys to work? <i>April Tole, Mott Macdonald</i>
1110		<i>Eamon Mansoor, Omnilink</i>	Where is everybody? - putting Australians on the map! <i>Elizabeth Stark, Symbolix</i>	Inclusive mapping - Designing for the Colourblind <i>Ben Jones, GHD</i>
1120		<u>1130 - 1140</u> Panel discussion	<u>1130 - 1140</u> Panel discussion	Panel discussion
1140	Break & networking			
1145-1210	The Locate Hub – hosted by Laura Kostanski & Roshni Sharma <i>Paul Reed, Gregg Franz, Kate Crawford, Hannah Martin, Megan Stanley & Catherine Gilbert</i> Providing an opportunity to hear what is being discussed in today’s concurrent sessions			



THURSDAY 1 APRIL – VIRTUAL ONLY (CONTINUED)
SYDNEY TIME SHOWN ON PROGRAM

Virtual

CONCURRENT SESSIONS – The below individual speaker times may vary slightly than the time shown

	WHAT MIGHT THE FUTURE OF PLACE BE? Chair: Adam Beck, Smart Cities Council	POSITIONING: INNOVATIVE SOLUTIONS Chair: Hannah Martin, Beveridge Williams	LIVEABLE CITIES: DESIGNING SOLUTIONS Chair: Megan Stanley, GHD	EARTH OBSERVATION: SUPPORTING OUR COMMUNITY Chair: Catherine Gilbert, Department of Environment, Land, Water and Planning
1215	<p>As our cities and communities grow, and evolve, there is a continuing tightening of the physical/digital relationship. It is clear that our decisions on 'digital' often have a 'physical' impact. And vice versa.</p> <p>So, if our goal is to plan and steward our growth in a more sustainable and liveable way, that brings prosperity to citizens and productivity to our economy, where are the opportunities and what is the playbook we should use?</p> <p>Join us for this unique discussion about how we use place, technology and data to drive a more prosperous nation.</p> <p><i>Kate Williams – FrontierSI</i></p> <p><i>Wayne Patterson – ServiceNSW</i></p> <p><i>Meredith Hodgman - Smart Cities Workstream Chair, Internet of Things Alliance Australia</i></p> <p><i>Claire Daniel - Scientia PhD Scholar at UNSW on PlanTech and City Analytics</i></p>	<p>Rural Cadastral Surveying in North Queensland <i>Dale Atkinson, Atkinson Surveys Pty Ltd</i></p>	<p>Data sharing for works planning and asset protection <i>Justin McKinlay, Esri Australia - SmarterWX</i></p>	<p>Taking AgTech to the masses <i>Tim Neale, DataFarming PL</i></p>
1225		<p>Mega maps for safer journeys <i>Steve Ford, Abley</i></p>	<p>Spatial Adjustment of Network Assets <i>Gregory Oaten, We-do-it</i></p>	<p>Better together: improving Digital Earth Australia's educational resources through collaboration <i>Caitlin Adams, FrontierSI</i></p>
1235		<p>Free and open data from a national GNSS network <i>Ryan Ruddick, Geoscience Australia</i></p>	<p>Spatially Managing Asset Risk at Urban Utilities <i>Ryan Bannister, Jacobs & Justin Mendelow, Urban Utilities</i></p>	<p>Building Digital Earth Africa <i>Alex Leith, Geoscience Australia</i></p>
1245		<p>Purchasing & viewing 3D Point Clouds & BIM online <i>Simon Cookes, LARKI</i></p>	<p>Subsurface utility Engineering - Challenges and Solutions for Surveyors <i>Graham Wirth, 12d Solutions Pty Ltd</i></p>	<p>SAR today and tomorrow: Usefulness of Synthetic Aperture Radar (SAR) for defence and intelligence application <i>Dipak Paudyal, APAC Geospatial</i></p>
1255			<p><u>1305 – 1325</u> Panel discussion</p>	<p>Geospatial Intelligence: How It's Transforming the Insurance Industry <i>Ryan Bank & Cisco Urbina, Geospatial Intelligence Center</i></p>
1305		<p><u>1310 – 1325</u> Panel discussion</p>		<p><u>1310 – 1325</u> Panel discussion</p>
1325	Sessions end			
CLOSING SESSION				
1330	The Locate Hub & Closing Ceremony			