



2020 SSSI NSW & WA Online Conference: Climate Change and Disaster Management

MONDAY 30 NOVEMBER 2020

11.30am 8.30am AWST	REGISTRATION NETWORKING – DONE VIRTUALLY! <i>This session is proudly supported by Locus</i> Join us for a pre-conference networking session. Chat with the NSW & WA Committee and other members – BYO coffee!
12.00pm 9.00am AWST	Welcome Mary-Ellen Feeney <i>Chair, NSW Region, SSSI</i>
12.01pm	President’s Address Paul Digney <i>President, SSSI</i>
SESSION 1: GOVERNMENT & DIGITAL INNOVATION Hear about key projects being developed and undertaken across government and academia	
12.05pm	Planning for the future and not the past: geospatial data and tools for reducing disaster risk <i>Jane Sexton Director, Hazard and Risk Infrastructure and Applications, Geoscience Australia</i>
12.20pm	How design processes can influence spatial sciences <i>Liz Dallimore Director, WA Data Science Innovation Hub</i>
12.35pm	3D and 4D digital spatial enablement – NSW Digital Twin <i>Wayne Patterson Director Spatial Operations, NSW Department of Customer Service</i>
12.50pm	The nexus between machine learning, spatial data and urban models for understanding property valuations in a changing climate <i>Chris Pettit Professor of Urban Science, Faculty of Built Environment, University of New South Wales</i>
1.05pm	SDGs Connectivity Dilemma - the role of spatial information and digital twin as enabling technologies <i>Abbas Rajabifard Professor and Discipline Leader Geomatics, University of Melbourne</i>
1.20pm	Q & A
1.25pm	LIGHTNING BREAK Stretch your legs while hearing from some amazing students! <i>Proudly supported by Locus</i> <ul style="list-style-type: none"> • Modelling of reefs using photogrammetry <i>Ryan Saunders, Curtin University</i> • Augmented Reality Applied to Subsurface Utilities <i>Vincent Tran, UNSW</i>
SESSION 2: EMERGENCY MANAGEMENT Leading practitioners share how spatial science was applied to protect, inform and rebuild following fires, floods and more	
1.35pm 10.35am AWST	Australia’s Unprecedented Forest Fires and the Need for a National Monitoring Agency <i>Grant Williamson Postdoctoral Fellow, University of Tasmania</i>
1.50pm	Natural Disasters and Community Resilience: A Framework for SSSI Volunteers <i>Lesley Arnold Chair, SSSI Disaster Management & Recovery Special Interest Group</i>
2.05pm	WA emergency preparedness – Examples and lessons learned from the Firewatch and Aurora projects <i>Adrian Allen Satellite Imaging Delivery Systems, Location Intelligence, Landgate</i>
2.20pm	Waikato Region Emergency Management and Climate Action <i>Rick Liefting Regional Flood Coordinator, Regional Resilience, Integrated Catchment Management, Waikato Region, New Zealand</i>
2.35pm	Inside Australia’s most comprehensive post-bushfire and recovery captures <i>M’Shenda Turner Director, ANZ Survey Operations, Nearmap</i>
2.45pm	Q & A
2.50pm	LIGHTNING BREAK Stretch your legs while hearing from some amazing students! <i>Proudly supported by Locus</i> <ul style="list-style-type: none"> • The importance of virtual reality in collaborative pavement engineering <i>Andersen Zhang, UNSW</i> • Re-mapping of historical field books along the Canning River <i>Jasmine Ross, Curtin University</i>



2020 SSSI NSW & WA Online Conference: Climate Change and Disaster Management
MONDAY 30 NOVEMBER 2020

SESSION 3: CLIMATE RECOVERY & RESILIENCE

Data modelling, visualisation and artificial intelligence for emergency management and climate change modelling

3.00pm 12.00pm AWST	GIS's Increasing Role in Emergency Management Shaun Epe <i>CAD & Spatial Manager, Surveying & Spatial, Public Works Advisory, Department of Regional NSW</i>
3.15pm	Supporting Community Recovery and Resilience through at scale Insurance AI Francisco Urbina <i>Manager Business Development ANZ, Geospatial Intelligence Centre</i>
3.30pm	From raw global climate data to accessible information for decision-making in disaster risk reduction Peter Urich <i>Managing Director, CLIMsystems</i>
3.45pm	Enabling faster fire response and detection with near real-time data Brittany Dahl <i>Geospatial Consultant, Geoplex</i>
4.00pm	Regional bushfire fuel load metrics from calibrated high-resolution Airborne LIDAR Samuel Holt <i>Research and Development, Aerometrex</i>
4.10pm	Q & A
4.15pm	LIGHTNING BREAK Stretch your legs while hearing from some amazing students! <i>Proudly supported by Locus</i> <ul style="list-style-type: none"> An investigation into ground deformation monitoring techniques utilised in urban tunnel excavations and the root causes of surface subsidence <i>Brady Rengger, UNSW</i> Title TBA <i>Reagan Cope, Curtin University</i>

SESSION 4: SURVEYING SPOTLIGHT – TECHNOLOGY, TITLES, FIRES & PANDEMICS

Researchers and surveying professionals share how they have used surveying to support climate change and disaster management projects

4.25pm 1.25pm AWST	Catering for the future of Land Titling in Western Australia Murray Dolling <i>LS Principal Consultant (Surveying), Inspector of Plans and Surveys, Assistant Registrar of Titles, Authorised Land Officer - Landgate, Western Australia Government</i>
4.40pm	Challenges and Opportunities in 3D data integration – Examples from UNSW campus & Rotterdam Sisi Zlatanova <i>Professor SHARP, GRID, FBE, University of NSW</i>
4.55pm	How is the COVID-19 pandemic changing the market for cadastral surveyors? Daniel Paez <i>Technical Director, INECA and Chair, FIG Commission 7: Cadastre and Land Management</i>
5.10pm	Surveying and Disaster Recovery – Blue Mountains Bushfire 2019 Case Study Peter Howie <i>Registered Surveyor, ICD Asia Pacific</i>
5.25pm	Q & A
5.30pm 2.30pm AWST	Conference Close Darren Mottolini <i>Chair, WA Region, SSSI</i>

Platinum Sponsors



Gold Sponsor



Bronze Sponsor

