



## Conference Program

(correct at February, subject to change)

<b>Tuesday 17<sup>th</sup> May 2022</b>	
<b>8.00am</b>	<b>Pre-conference Workshop Registration</b> <i>Lobby, Empire Theatre</i>
<b>Australian Rainfall and Runoff 2019 Workshop</b> Session 1: 9.00am – 10.30am	
<u>Facilitator</u>	
9.00am – 10.30am	
<b>10.30am – 11.00am</b>	<b>Morning Tea</b>
<b>Australian Rainfall and Runoff 2019 Workshop</b> Session 2: 11.00am – 12.30pm	
11.00am – 12.30pm	
<b>12.30pm – 1.30pm</b>	<b>Lunch</b>
<b>Australian Rainfall and Runoff 2019 Workshop</b> Session 3: 1.30pm – 3.00pm	
<u>Location</u>	
1.30pm – 3.00pm	
<b>3.00pm – 3.30pm</b>	<b>Afternoon Tea</b>
<b>Australian Rainfall and Runoff 2019 Workshop</b> Session 4: 3.30pm – 5.00pm	
<u>Location</u>	
3.30pm – 5.00pm	
<b>5.00pm – 7.00pm</b>	<b>Conference Registration</b> <i>Lobby, Empire Theatre</i>
<b>5.00pm – 7.00pm</b>	<b>Welcome Reception</b> <i>Trade Display, Armitage Centre, Empire Theatre</i>

## Wednesday 18<sup>th</sup> May 2022

**7.30am** **Conference Registration**  
*Lobby, Empire Theatre*

**8.30am – 10.10am** **Session 1 - Plenary**  
*Empire Theatre*

8.30am **Welcome to Country**  
8.40am **Welcome from Toowoomba Regional Council Mayor**  
8.50am **Welcome from Floodplain Management Australia**  
*Ian Dinham, President, Floodplain Management Australia*  
9.25am **Keynote Address**

**10.10am – 10.40am** **Morning Tea & Poster Presentations**

**Session 2** **2A: Modelling and flood data** **2B: Flood policy, guidance and best practice** **2C: Land use planning**  
10.40am – 12.40pm

**Location**

**Chair**

10.40am – 11.05am	Understanding Overland Flood Behaviour in Toowoomba City <b>Kazi Bashar</b> <i>Toowoomba Regional Council</i>	What is an acceptable impact? <b>Mark Babister</b> <i>Wmawater</i>	Re-forming Flood Risk Mitigation in SA Land-Use Planning <b>Amber Webster</b> <i>SA Attorney General's Department</i>
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11.10am – 11.35am	Application of ARR Guidelines for Overland Flow Modelling and Mapping <b>Janaka Gunawardena</b> <i>City Of Logan</i>	The New Reality – Shifting Values in Flood Risk Management <b>Sharyn Westlake</b> <i>Greater Wellington Regional Council</i> <i>(International presenter)</i>	Considering flooding in land use planning – the 2021 flood-prone land package <b>Melanie Schwecke</b> <i>NSW Department of Planning and Environment</i>
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11.40am – 12.05pm	ARR19 Python Assessment for Regional Temporal Pattern Selection <b>Anthony Densten</b> <i>Cardno</i>	NSW Floodplain Development Manual Update <b>Duncan McLuckie</b> <i>NSW Department of Planning and Environment, Environment Energy and Science Group</i>	The levee paradox: Achilles heel of floodplain management? <b>Chas Keys</b>
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12.10pm – 12.35pm	Use of observed flood data and flood modelling to test LiDAR accuracy <b>Wesley Bailey</b> <i>AECOM</i>	Update of NSW Flood Risk Management Guidance <b>Angela Toniato</b> <i>NSW Department of Planning and Environment, Environment Energy and Science Group</i>	Sustainable land use development will mitigate flood risks and create liveable communities <b>Sunehla Bala</b> <i>Hawkesbury City Council</i>
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**12.35pm – 1.30pm** **Lunch & Poster Presentations**

**1.00pm** **Long Field Trip Departs**  
FT3 - Grantham Township

**Session 3** **3A: Insurance Issues** **3B: Emergency preparedness, response and recovery** **3C: Environmental aspects, climate change, coastal hazards and adaptation**  
1.30pm – 2.55pm

**Location**

**Chair**

1.30pm – 1.55pm	Does flood mitigation impact the cost of insurance in Australia? <b>Tom Mortlock and James Knight</b> <i>Aon</i>	Drivers for Evacuating Vehicles – What are Reasonable Assumptions for Evacuation Modelling? <b>Steven Molino</b> <i>Molino Stewart</i>	Describing an adaptation pathway for coastal floodplain management in Southwest Victoria <b>Christine Lauchlan Arrowsmith</b> <i>Streamology</i>
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2.00pm – 2.25pm	Development of Northern NSW Flood Mapping Using Lessons From Flood Insurers <b>Dan Rodger</b> <i>JBPacific</i>	Tasmanian Strategic Flood Mapping – Improving Community Flood Recovery and Resilience <b>Sarah Blundy</b> Wma Water	Adaptation and Long-Term Planning for Low-Lying Coastal Communities Considering Sea Level Rise <b>Harrison Oakley</b> <i>Royal HaskoningDHV</i>
<i>5 minute</i>	<i>changeover</i>	<i>changeover</i>	<i>changeover</i>
2.30pm – 2.55pm	Residual risk beyond the 1% AEP planning level and climate change <b>Philip Conway</b> <i>IAG</i>	2.30pm – 2.40pm Effective and safe Flood Emergency Management Plans with multiple sources of flooding <b>William Prentice &amp; Cheryl Briars,</b> <i>Water Technology</i>  <i>Presentation TBC</i>	Flood-tide interactions within the lower Manning River in 2020 and 2021 <b>Oleg Makarynskyy</b> <i>Midcoast Council</i>
<b>3.10pm</b>	<b>Short Field Trips Depart</b>		
	FT1 - Toowoomba Never Floods Presentation		
	FT2 – Mitigating Floods within a Built City – Toowoomba’s Journey		
<b>5.30pm</b>	<b>Close of Day One</b>		
<b>7.00pm</b>	<b>Casual Dinner, Picnic Point Toowoomba</b> <i>Sponsored by WMAwater</i>		

## Thursday 19<sup>th</sup> May 2022

**7.30am Councillors Choice Breakfast Session**  
Opportunity for Councillors to raise and discuss issues of importance to Local Government

**8.30am Conference Registration**  
*Lobby, Empire Theatre*

**Session 4** 4A: Modelling and flood data 4B: Queensland Reconstruction Authority 4C: Social sciences, human behaviour and communication  
9.00am – 10.30am

### Location

#### Chair

9.00am – 9.25am	Rain on Grid – Challenges <b>Christopher Kenyon</b> <i>Jacobs</i>	FLOOD-EX21 Recovery in practice <b>Karen McPaul</b> <i>Queensland Reconstruction Authority</i>	Enhancing Community Awareness and Resilience Activities Relating to Flood <b>Allison Rifai</b> <i>Office Of the Inspector-general Emergency Management</i>
<i>5 minute</i>	<i>changeover</i>	<i>changeover</i>	<i>changeover</i>
9.30am – 9.55am	Fairydale Drainage Catchment, Bundaberg – Defending Low-Lying Coastal Communities <b>Ben Patterson</b> <i>Royal HaskoningDHV</i>	The Future of Flood Risk Management in Queensland <b>Ella Harrison</b> <i>Queensland Reconstruction Authority</i>	Getting the most out of flood studies: Connecting consultants, councils and classrooms <b>Catherine Walker</b> <i>Water Modelling Solutions (YFM Presenter)</i>
<i>5 minute</i>	<i>changeover</i>	<i>changeover</i>	<i>changeover</i>
10.00am – 10.25am	Collaborative commission of 2020 IFDs for SEQLD, and implications for Moreton Bay <b>Alana Mosely</b> <i>Moreton Bay Regional Council (YFM Presenter)</i>	State guideline: Flood evacuation route improvements <b>Carrrie Dearnley</b> <i>BMT</i>	10.00am – 10.10am Mental Health and Extreme Weather Events: Considering the Connections, Impacts and Risks <b>Alexandra Nero</b> <i>AECOM (YFM Presenter)</i>
			10.15am – 10.25am Indigenous Knowledge of Tsunamis and Floods <b>Fiona Coe</b>

**10.25am – 11.00am Morning Tea & Poster Presentations**

**11.00am – 12.45pm Session 5 – Plenary**  
*Empire Theatre*

11.00am **Welcome to Day Two**  
11.05am **State and Territory Presentations**  
11.55am **Keynote Speaker**

**12.45pm – 1.45pm Lunch & Poster Presentations**

**Session 6** 6A: Flood stories and case studies 6B: 6C: Flood prediction and warning  
1.45pm – 3.10pm

### Location

#### Chair

1.45pm – 2.10pm	Improving flood telemetry in Victoria <b>Darren Wilkie</b> <i>Department Of Environment, Land, Water and Planning</i>	<i>Presentation TBC</i>	Community flood intelligence portals and automated flood forecasting for disaster management. <b>Danielle Danielsson</b> <i>Toowoomba Regional Council</i>
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2.15pm – 2.40pm	Flood Resilience for Floodplain Towns – The Moree Experience <b>Ed Henty</b> <i>Dryside Engineering</i>	<i>Presentation TBC</i>	Lake Macquarie Flood Intelligence Tool – Leading the way in flood-warning preparedness <b>Galen Lewis</b> <i>MHL</i>
<i>5 minute</i>	<i>changeover</i>	<i>changeover</i>	<i>changeover</i>
2.45pm – 3.10pm	Renaturalisation of Urban Creeks: Flooding Friend or Foe? <b>Sarah Hollis</b> <i>Water Modelling Solutions</i>	<i>Presentation TBC</i>	Issues and challenges of setting flood classifications in South Australia <b>Susana Torres</b> <i>Department For Environment and Water</i>
<b>3.10pm – 3.40pm</b>	<b>Afternoon Tea &amp; Poster Presentations</b>		
<b>Session 7</b> 3.40pm – 5.30pm	<b>7A: FMA Annual General Meeting</b>	<b>7B: Workshop</b> <i>Facilitated by:</i>	
3.40pm – 5.30pm	<b>ALL FMA MEMBERS PLEASE ATTEND</b>	Workshop TBC	
<b>5.30pm</b>	<b>Close of Day Two</b>		
<b>7.00pm</b>	<b>Conference Dinner &amp; Floodplain Management Australia Excellence Awards</b> <i>Sponsored by Royal HaskoningDHV</i>		

# Friday 20<sup>th</sup> May 2022

**8.30am** **Conference Registration**  
*Lobby, Empire Theatre*

**9.00am – 10.20am** **Session 8 – Plenary**  
*Empire Theatre*

9.00am **Welcome to Day Three**  
**Presentation by Winner of FMA Flood Risk Management Project of the Year Award**  
**Keynote Address**

**10.15am – 10.45am** **Morning Tea & Poster Presentations**

Session 9 10.45am – 12.45pm	9A: Hawkesbury-Nepean Flood Risk Management	9B: Infrastructure projects and asset management	9C: 10 Minute Presentations
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**Location**  
**Chair**

10.45am – 11.10am	Overview of the March 2021 Hawkesbury-Nepean flood: characteristics, impacts, learnings <b>Stephen Yeo</b> <i>Infrastructure NSW</i>	Pathways to facilitate private participation in flood mitigation <b>Andrew Dyer</b> <i>IGA</i>	10.45am – 10.55am Managing future flood risk for the Gawler Floodplain through adaptive pathways <b>Aaron Zecchin</b> <hr/> 11.00am – 11.10am The LVRC Flood Information Portal providing flood awareness for the 21st Century <b>Victor Nicholls</b> <i>Spatial Innovation Pty Ltd</i>
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11.15am – 11.40am	Advancements In Evacuation Modelling of the Hawkesbury Nepean Valley <b>Edward Funnell</b> <i>HARC</i>	Development of Flood Mitigation Solutions for Critical Assets and Infrastructure <b>Michael Anthony</b> <i>AWMA Water Control Solutions</i>	11.15am – 11.25am NSW coastal flood summary – March 2021 event <b>Sarah Dakin</b> <i>Manly Hydraulics Laboratory</i> <hr/> 11.30am – 11.40am Integrated flash-floodplain management in a small country town <b>Polly Buchhorn</b> <i>Break O’Day Council</i>
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11.45am – 12.10pm	Modern and traditional data capture for flood model validation: Hawkesbury-Nepean insights <b>Rhys Thomson</b> <i>Rhelm</i>	Collaborative solutions on Youngs Crossing Road bridge and road upgrade project <b>Clarissa Campbell</b> <i>HDR</i>	11.45am – 11.55am Integration of online weather forecasting and flood intelligence systems in South Australia <b>Molly Gifford</b> <i>South Australian State Emergency Service</i> <hr/> 12.00pm – 12.10pm Real time flood forecasting for Lake Burley Griffin <b>David Stephens</b> <i>HARC</i>
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12.15pm – 12.40pm	How vegetation changes have altered flood levels in the Hawkesbury-Nepean <b>David Tetley</b> <i>Catchment Simulation Solutions</i>	Regionally Ranking Of Flood Mitigation Projects <b>Craig Millikan, Toowoomba Regional Council &amp; Mark Page, Engeny</b>	12.15pm – 12.25pm Eastwood Town Centre Drainage Improvement Works- Retrofitting Flood Mitigation to Urban Centres <b>Andrew Morris</b> <i>Royal HaskoningDHV</i>
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12.30pm – 12.40pm  
 A Multi-Criteria Investigation of  
 Structural Flood Mitigation Assets  
 in Clarence Valley Floodplain  
**Barry Rodgers**  
*BMT*

**12.40pm – 1.40pm Lunch & Poster Presentations**

<b>Session 10</b> 1.40pm – 3.10pm	<b>10A: Modelling and flood data</b>	<b>10B: New technology and research</b>	<b>10C:</b>
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**Location**

**Chair**

1.40pm – 2.10pm	Value of Community Engagement For Modelling Complex Historical Flood Events <b>Megan Grant</b> <i>KBR</i>	Development of flood vulnerability functions for contents in selected business types <b>Tariq Maqsood</b> <i>Rmit University</i>	When is Flood Risk Tolerable? <b>Filippo Dall'Osso &amp; Rhiannon Garrett</b> <i>Molino Stewart</i>
2.10pm – 2.40pm	A delicate water balance – environmental flows without a flow gauge <b>Prawi Woods</b> <i>Catchment Simulation Solutions (YFM Presenter)</i>	Estimating scour risks from 1D, 2D, and 3D flood model results <b>Krey Price</b> <i>Surface Water Solutions</i>	Listening to Landscapes with Modern Methods Getting to Know the Scamander River <b>Lieselotte Fearman</b> <i>University Of Tasmania</i>
2.40pm – 3.10pm	National Pluvial Modelling in Scotland <b>David King</b> <i>KBR</i>	Comparing loss and transform methods and deriving parameters directly from gauge records <b>Martin Jacobs</b> <i>Pitt &amp; sherry</i>	Development of Best Practice Flood Management Opportunities in South Australia <b>Melinda Lutton</b> <i>Water Technology</i>

**3.10pm – 3.40pm Conference Wrap-up with Afternoon Tea**  
*Lobby, Empire Theatre*