



CONFERENCE PROGRAM

(Program, subject to change)

Monday 20 May 2024

8.30am – 5.00pm **Rainfall-runoff modelling with HEC-HMS Full Day Workshop**
BCEC (additional cost full day workshop)

Tuesday 21 May 2024

8.00am – 12.30pm **Pre-Conference Morning Rain on grid modelling with HEC-RAS Workshop**
BCEC (additional cost half day workshop – morning tea & lunch included)

8.30am – 12.30pm **Pre-Conference Morning Workshop: Risk to Life Tolerability in Floodplain Management**
BCEC (additional cost half day workshop – morning tea & lunch included)

Pre-Conference Morning Workshop: The data is in – how can we use research to shape change?
BCEC (additional cost half day workshop – morning tea & lunch included)

12.30pm – 5.00pm **Pre-Conference Afternoon Bridges and culverts in HEC-RAS Workshop**
BCEC (additional cost half day workshop – lunch & afternoon tea included)

12.30pm – 5.00pm **Pre-Conference Afternoon Workshop: Rising to the Challenge – learning from flood hazards to build resilient communities**
BCEC (additional cost half day workshop – lunch & afternoon tea included)

12.30pm – 5.00pm **YFM TriWater Cup**
BCEC (additional cost half day TriWater Cup)

5.00pm – 7.00pm **Conference Registration & Welcome Reception**
Trade Exhibition Area, Boulevard Auditorium Foyer, BCEC

First time conference attendees who would like to meet members of the FMA Executive please visit the FMA booth during the welcome reception. Councillors are also invited to visit the FMA booth to raise and discuss issues of importance to Local Government during this reception.

From 7.00pm **YFM Function** (open to all delegates registered for the Conference)
The Charming Squire
Sponsored by KBR

Day One – Wednesday 22 May 2024

7.30am **Conference Registration, Boulevard Auditorium Foyer**

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| Session 1 | Plenary | 8.30am – 10.15am Chair: Steve Allan Location: Boulevard Auditorium |
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| 8.35am | Welcome to Country Uncle Billy Cummings |
| 8.45am | Conference Opening Address The Hon Nikki Boyd MP , <i>Queensland Minister for Fire and Disaster Recovery and Minister for Corrective Services</i> |
| 8.55am | Welcome from Floodplain Management Australia Ian Dinham , <i>President, Floodplain Management Australia</i> |
| 9.05am | Welcome from Brisbane City Council |
| 9.15am | Gold Sponsor Address Ella Harrison , <i>Bureau of Meteorology</i> |
| 9.20am | The Application of Flood Risk Reduction Techniques: Lessons for Community-Led Relocation Professor Gavin Smith , <i>North Carolina State University College of Design</i> |
| 10.05am | Conference Supporter Address Major General Jake Ellwood (retd) , <i>Queensland Reconstruction Authority</i> |
| 10.10am | Conference Supporter Address NSW Department of Climate Change, Energy, the Environment and Water Sponsor Address |

10.15am – 10.40am Morning Tea + Poster Presentations

First time conference attendees who would like to meet members of the FMA Executive please visit the FMA booth during morning tea. Councillors are also invited to visit the FMA booth to raise and discuss issues of importance to Local Government during morning tea.

Session 2 Concurrent 10.40am – 12.35pm

Sponsored by:



| | 2A: Emergency preparedness, response and recovery | 2B: Flood case studies and stories | 2C: Modelling and flood data | 2D: Managing growth and land use planning |
|-------------------|---|---|---|--|
| Location: | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Steve Muncaster | Allan Gear | Daniel Copelin | Patrick Paynter |
| 10.40am – 11.05am | No escape: secondary risks in flood-isolated communities Suede Stanton-Drudy , NSW State Emergency Service & Shaza Raini , NSW DCCEW | The good, bad and ugly: Milwaukee's journey to sustainable flood management David Fowler , Association of State Floodplain Managers <i>International Presenter</i> | Hawkesbury-Nepean River Flood Study: key features and findings Stephen Yeo , NSW Reconstruction Authority | Adapting through risk-based planning - is there a role for the 1%AEP anymore? William Prentice , Water Technology |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 11.10am – 11.35am | Burning issues: the impacts of bushfires on flood preparedness and response Gillian Webber , NSW State Emergency Service | Scotland's proactive approach to flood management: the Grangemouth Flood Protection Scheme Adele Jaccon , Jacobs Engineering <i>International Presenter</i> | NSW State Disaster Mitigation Plan – a statewide review of managed relocation Rhys Thomson , Rhelm | Impacts of the new ARR climate change factors on flood planning levels Mark Babister , WMAwater |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 11.40am – 12.05pm | NSW Flood Data Portal: from the beginning, linking data to disaster response Keiran O'Fee & Melissa Daley , NSW State Emergency Service | Ex-Tropical Cyclone Gabrielle flood hazard categorisation, Hawke's Bay, New Zealand Ramon Strong , PDP <i>International Presenter</i> | Precipitation-streamflow regression to synthetically extend record length in flood frequency analyses Evan O'Brien , SMEC | Integrating flood risk into planning: using data analysis to identify intolerable risk Stephen Dredge , Meridian Urban |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 12.10pm – 12.35pm | Combining and amplifying outcomes from FRMP's, flood forecasting and community awareness projects Adam Berry , Synergy Solutions | Community experiences of the 2022 Tasmanian floods: a mixed methods study Darryl Stellmach , University of Tasmania | Update of design rainfall intensities for South East Queensland Phillip Jordan , HARC | Development controls for equitable management of filling across the Lower Hunter Richard Murphy , NSW DCCEW & Michael Osborne , Port Stephens Council |

12.35pm – 1.15pm Lunch + Poster Presentations

Long Field Trip – Referable Dams departs at 1.00pm and return approximately 5.30pm, afternoon tea included on tour.

| Session 3 | Concurrent | 1.15pm – 2.40pm |
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| | 3A: Flood policy, guidance and best practice | 3B: Flood prediction and warning | 3C: Flood case studies and stories | 3D: 10 Minute Presentations |
|------------------|---|--|--|--|
| Location: | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Sharyn Westlake | Ramon Strong | Camille White | Mike Edwards |
| 1.15pm – 1.40pm | \$31 Million Flood Risk Management Program Katrina Smith , <i>Queensland Reconstruction Authority</i> | Applying the Bureau's flood scenarios product to emergency response coordination Tom Jory , <i>NSW State Emergency Service</i> & Ailsa Schofield , <i>Bureau of Meteorology</i> | Tomorrow's floodplain: a change in thinking on future coastal flooding Richard Sharp , <i>Water Technology</i> | <div>1.15pm – 1.25pm</div> Estimating environmental damages from soil loss during flooding events Mitchell Kirby , <i>JB Pacific Young Floodplain Manager</i> |
| 5 minute | Changeover | Changeover | Changeover | <div>1.30pm – 1.40pm</div> Getting harder and harder to drain: 'flood mitigation' in low-lying coastal floodplains Chrisy Clay , <i>Rous County Council</i> |
| 1.45pm – 2.10pm | Everything's different north of the border – even flood risk management Mathew Martin & Carrie Dearnley , <i>WRM Water & Environment</i> | Understanding flood risk when engineers and the general public do not speak the same language Mark Forest , <i>Consort North America International Presenter</i> | The flow must go on: more robust river gauges for future extremes Van Cuong Nguyen , <i>Department of Water and Environmental Regulation Young Floodplain Manager</i> | <div>1.45pm – 1.55pm</div> Flood mitigation in the Pacific: a scoping study for Ba, Fiji Luke Joseph , <i>Royal HaskoningDHV</i> |
| 5 minute | Changeover | Changeover | Changeover | <div>2.00pm – 2.10pm</div> Croc n' roll: navigating floods in the Adelaide River Tarkan Pasin , <i>WRM Water & Environment</i> |
| 2.15pm – 2.40pm | The Maitland flood of July 2022 Ian Jackson & Tom Sigley , <i>NSW Department of Climate Change, Energy, the Environment and Water</i> | Townsville's FLASH new flood warning system Josh Terry , <i>Royal HaskoningDHV</i> | Australia's largest measured river flow? Assessing the 2023 Fitzroy River rating curves Krey Price , <i>Surface Water Solutions</i> | <div>2.15pm – 2.25pm</div> Innovative approaches for floodplain management – RFD flood model update 2022 Abigail Lillo , <i>BMT</i> |
| | | | | <div>2.30pm – 2.40pm</div> How are Victorian authorities using climate change riverine modelling in decision-making? Lachlan Inglis , <i>Water Technology</i> |

Session 4**Short Field Trips****3.00pm – 5.30pm**

Short field trips depart at 3.00pm (sharp) and will return to BCEC approximately 5.30pm, afternoon tea is included on all tours.

FT2: City Cat Tour – Creating a Resilient River City

FT3: Delivering the Norman Creek Master Plan

FT4: Kedron Brook

5.30pm

Close of Day One

7.30pm – 10.30pm

Casual Dinner

Rivershed, Howard Smith Wharves

(City Cat Ferry from South Bank Ferry Terminal at 7.00pm and return by Coach from Howard Smith Wharves)

Sponsored by WMAwater

Day Two – Thursday 23 May 2024

8.30am

Registration (for 1 Day delegates), Boulevard Auditorium Foyer

Session 5

Concurrent

9.00am – 10.25am

Sponsored by:



VICTORIA
State
Government

Energy,
Environment
and Climate

| | 5A: Flood policy, guidance and best practice | 5B: Social sciences, human behaviour and communication | 5C: Environmental aspects, climate change, coastal hazards and adaptation | 5D: 10 Minute Presentations |
|-------------------|--|--|---|---|
| Location: | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Ainslie Frazer | Paul Grech | Carla Mooney | Myles Fauser |
| 9.00am – 9.25am | Strategic management of flood risk Duncan McLuckie , NSW DCCEEW | 'Know your flood risk' simple advice for a profoundly mis-understood learning context Willow Forsyth , Willow Forsyth Pty Ltd | Risks to day-to-day coastal floodplain drainage with rising sea levels Alice Harrison , UNSW Water Research Laboratory | 9.00am – 9.10am IoT hydrometric smart sensors – the good, the bad and the ugly Brany Iezzi , Brisbane City Council 9.15am – 9.25am Impacts of pre-burst on extreme floods. a case study in southeast Queensland Ash Rasheed , HARC |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 9.30am – 9.55am | Changes in rural floodplain management in New South Wales Tim Morrison , NSW DCCEEW | Challenges in providing helpful flood information to Brisbane residents Robert McGlenn , Brisbane City Council | Navigating the future: lessons for risk-based assessment of coastal flooding and erosion Christine Lauchlan Arrowsmith , Streamology | 9.30am – 9.40am Environmental modelling of the flood relief channels in the River Thames Scheme Keiko Yamagata , DHI 9.45am – 9.55am Discovering water information for robust modelling Chinee Mercado , Manly Hydraulics Laboratory |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 10.00am – 10.25am | Keeping flood funding from drying out Meg Preston , Queensland Reconstruction Authority | What I have learnt engaging with flood affected communities for twenty years Emma Maratea , Rhelm | Influence of climate change on Logan Albert Flood characteristic Janaka Gunawardena , Logan City Council | 10.00am – 10.10am Community flood information online - a Lismore City Council case study Cameron Druery , Worley Consulting 10.15am – 10.25am Communicating uncertainty in flash flood events Carla Mooney , Bureau of Meteorology |

10.25am – 11.00am Morning Tea + Poster Presentations

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| Session 6 | Plenary | 11.00am – 12.30pm Chair: Steve Allan Location: Boulevard Auditorium |
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| 11.00am | Welcome to Day 2 |
| 11.05am | Silver Sponsor Address Nicole Hogan , <i>NSW State Emergency Service</i> |
| 11.10am | Silver Sponsor Address Tony McAlister , <i>Water Technology</i> |
| 11.15am | Australia and New Zealand Updates 2024 |
| 12.00pm | Silver Sponsor Address Stantec |
| 12.05pm | Developing Brisbane's Floodplain: Lessons from History Dr Margaret Cook , <i>Australian Rivers Institute, Griffith University</i> |
| 12.45pm | Silver Sponsor Address Chris Huxley , <i>TUFLOW</i> |

12.50pm – 1.45pm Lunch + Poster Presentations

YFM Panel Session: The future of floodplain management - where we are headed, B1

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| Session 7 Concurrent | 1.45pm – 3.10pm |
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| | 7A: Flood policy, guidance and best practice | 7B: New technology and research | 7C: Environmental aspects, climate change, coastal hazards and adaptation | 7D: Community recovery |
|-----------------|--|--|--|--|
| Location | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Will Prentice | Ben Tate | Michelle Wild | Meg Preston |
| 1.45pm – 2.10pm | The Technical Mapping Advisory Council – shaping US flood risk management practices Doug Bellomo <i>AECOM</i> <i>International Presenter</i> | Use of satellite imagery to produce water level timeseries for ungauged water-bodies Louisa Chen , <i>Jacobs</i> | Partnering with regional communities to develop nature-based solutions to flooding Roslyn Prinsley , <i>Australian National University</i> | After the floodwaters recede - Improving support for flood affected residents Mel Taylor , <i>Macquarie University / Enduring Advantage Consulting</i> |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 2.15pm – 2.40pm | The problem with parks Alana Mosely , <i>City of Moreton Bay</i> <i>Young Floodplain Manager</i> | Rip Rap to Rock Bags, physical modelling of high flow cases Dan Messiter , <i>Royal HaskoningDHV</i> | Enabling healthy waterway outcomes in flood risk planning – a nature-based approach John Bucinkas & Nathan Pomfret , <i>NSW DCCEW</i> | Empowering community-led resilience: a co-design approach to disaster recovery in Wisemans Ferry Prawi Woods , <i>Alluvium Consulting</i> |
| 5 minute | Changeover | Changeover | Changeover | Changeover |

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| 2.45pm – 3.10pm | Where do you draw the line? (engineering judgement in flood extent delineation) Kate Prout, <i>Engeny</i> | Building better networks, Australia's new ALERT2TM Flood Warning Alarm System Laurens Willems van Beveren & Michael Galloway, <i>Manly Hydraulics Laboratory</i> | The power of innovative technology to deliver carbon negative flood management solutions Richard Crowder, <i>Jacobs</i> <i>International Presenter</i> | Prioritising properties for buyback, raising and retrofit – The evidence base and approach to the Northern Rivers Resilient Homes Program Louise Collier, <i>Rhelm</i> |
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3.10pm – 3.45pm Afternoon Tea + Poster Presentations

Session 8 FMA Annual General Meeting 3.45pm – 5.30pm Location: Boulevard Auditorium

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| <i>Location: Boulevard Auditorium</i> | <i>Location: B1</i> |
| 8A: FMA Annual General Meeting - <i>“All FMA Members please attend”</i> | 8B: Panel – Flood Risk, Growth Management & the National Housing Crisis Facilitator: Zita Dore, BMT |

5.30pm Close of Day Two

7.00pm Conference Dinner & Floodplain Management Australia IAG Excellence Awards, Plaza Terrace Room, Plaza Level, BCEC
Sponsored by Royal HaskoningDHV

Day Three – Friday 24 May 2024

8.30am Registration (for 1 Day delegates), Boulevard Auditorium Foyer

Session 9 Plenary

9.00am – 10.20am

Chair: Steve Allan

Location: Boulevard Auditorium

9.05am Presentation by Winner of FMA - IAG Flood Risk Management Project of the Year Award

9.25am Silver Sponsor Address
Jacobs

9.30am Bridging the gap: Making disaster insurance into an opportunity for risk reduction
Professor Paula Jarzabkowski, University of Queensland

10.10am Silver Sponsor Address
Mike Edwards, VIC Department of Energy, Environment and Climate
Action Sponsor Address

10.15am **2025 FMA National Conference Announcement**

10.20 am – 10.50am Morning Tea + Poster Presentation

Session 10

Concurrent

10.50am – 12.45pm

| | 10A: Flood prediction and warning | 10B: Managing growth and land use planning | 10C: Infrastructure projects and asset management | 10D: 10 Minute Presentations |
|-------------------|--|--|---|---|
| Location: | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Sue Ribbons | Allan Gear | Ruebin Nguon | Ailsa Schofield |
| 10.50am – 11.15am | Real-time flash flood forecasting in Adelaide Trent Laves, Worley <i>Young Floodplain Manager</i> | Integrating climate change into design criteria: science becomes policy Michael McMahon, HDR <i>International Presenter</i> | Dams and levee system operations, maintenance and emergency management and risk comparison? Malcolm Barker, GHD | 10.50am – 11.00am The psychology of flooding, how understanding psychology can assist with emergency management Melissa Blum, Burchills Engineering Solutions |
| | | | | 11.05am – 11.15am Community-based flood action plans, an effective way of managing flood risk Jess Carey, Stantec |
| 5 minute | Changeover | Changeover | Changeover | Changeover |
| 11.20am – 11.45am | Flood forecasting and warnings for ICOLLS Dan Rodger, JB Pacific | Is South East Queensland growing into high hazard flood areas? Pradesh Ramiah, Moreton Bay Regional Council | Eight years of working on the Hunter Valley Flood Mitigation Scheme Ben Patterson, Royal HaskoningDHV | 11.20am – 11.30am Building back better – Balancing resilience in recovery William Kershaw, Department of Energy and Public Works |

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| | | | | 11.35am – 11.45am Flood evacuation planning the meeting of models, data and logic Damion Cavanagh, BMT |
| 5 minute | Changeover | <i>Changeover</i> | <i>Changeover</i> | <i>Changeover</i> |
| 11.50am – 12.15pm | New tools assisting adaptive pathway planning for sea level rise in NSW Galen Lewis, Manly Hydraulics Laboratory | Managing stormwater flood risk for infill development Nadia Guterres, Sunshine Coast Council | Flood Modelling Challenges in Highway/Freeway Environments: Understanding and Addressing Complexity Nilmini Pannipitiya, SMEC | 11.50am – 12.00pm Integrative decision support tool for flood-informed road infrastructure investment prioritisation Gangfu Zhang, AECOM |
| | | | | 12.05pm – 12.15pm Flood mitigation works – improving construction cost estimation and cost benefit analysis Andrew Morris, Royal HaskoningDHV |
| 5 minute | Changeover | <i>Changeover</i> | <i>Changeover</i> | <i>Changeover</i> |
| 12.20pm – 12.45pm | RegioFEM – a floodplain evaluation method to support future-oriented flood risk management Markus Eder, WMAwater | Let your catchment be your guide – flood sensitive rezoning James Ogg, Inner West Council | Stormwater backflow device operations during the February 2022 Brisbane flood-case study Evan Caswell, Brisbane City Council | 12.20pm – 12.30pm Interstate Levee Committee – floods know no boundaries Phillip Buchanan NSW DCCEEW |
| | | | | 12.35pm – 12.45pm Not broken? Don't fix it! The cautionary tale of Pental Islands levees Camille White, North Central CMA |

12.45pm – 1.30pm Lunch

Session 11 Concurrent

1.30pm – 3.00pm

| | 11A: Flood damages and insurance | 11B: Flood Stories | 11C: Modelling and flood data | 11D: 10 Minute Presentations |
|------------------|---|---|---|---|
| Location: | Boulevard Auditorium | B1 | B2 | B3 |
| Chair: | Fraser Ramsay | Steven Molino | Steve Allan | Alana Mosely |
| 1.30pm – 1.55pm | 2022 floods in the Northern Rivers: impacts on businesses and their recovery Tariq Maqsood, RMIT University | Effectively engaging with indigenous communities before, during and after floods Neil Duffy, Water Technology | Infragravity wave considerations in small coastal creeks Geoff Newell, Sunshine Coast Council | 1.30pm – 1.40pm Contaminants of emerging concern in floodwaters Minna Saaristo, EPA Victoria |
| | | | | 1.45pm – 1.55pm A strategic approach to building flash flood forecasting capability in South Australia Myles Fauser, Department for Environment and Water |

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| 5 minute 2.00pm – 2.25pm | Changeover Benchmarking the 2023 DT01 Flood Damage Tool in Seven Sub-Catchment(s) in Sydney, NSW Martin Griffin, <i>Stantec</i> | Changeover FRMSPs when few buildings are inundated: the Boggabri case study Hayden Guse, <i>WRM Water & Environment</i> <i>Young Floodplain Manager</i> | Changeover Implications of changing flood magnitudes from Flood Frequency Analysis Russel Haque, <i>Goulburn Broken Catchment Management Authority</i> | Changeover 2.00pm – 2.10pm Brisbane's future flood resilience blueprint: mapping synergy of studies and technology Simon Otero, <i>Brisbane City Council</i> 2.15pm – 2.25pm Using Failure to Make Informed Engineering Decisions Simon Tang, <i>Engeny Australia</i> |
| 5 minute 2.30pm – 2.55pm | Changeover Rising waters, sinking coverage: Innovative strategies for managing insurance hydrologic assessments Carson Ly, <i>Engeny Australia</i> | Changeover Updated Climate Change considerations in the Australian Rainfall and Runoff Leanne Wilkinson <i>Department of Climate Change, Energy, the Environment and Water & Simon Koger, Engineers Australia</i> | Changeover 2.30pm – 2.40pm Leveraging distributed sensor networks for enhanced flash flood monitoring Ian Atkinson <i>Lixia</i> 2.45pm – 2.55pm Aligning design rainfall and FFA flow estimates on the NSW south coast Luke Evans, <i>Rheln</i> | Changeover 2.30pm – 2.40pm MoretonAlert - automating flood warning messages Elton Chong, <i>City of Moreton Bay</i> No presentation in this time slot |

3.00pm – 3.30pm

Conference Wrap Up with Afternoon Tea

POSTER PRESENTATIONS

Poster displays will be available for the duration of the conference. Authors will be available at their poster to discuss and give a short presentation at the following times:

Morning Tea – Wednesday 22 May - Hard Copy

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| 10.25am | Victorian Murray Flood Restoration Project, Water Modelling Greg Whyte, DHI Water & Environment |
| 10.28am | FRT - A land use based approach to flood damages assessment for Queensland Luke Joseph, Royal HaskoningDHV |
| 10.31am | TUFLOW-FEWS Integration: Direct Rainfall Simulations through DELFT-FEWS Eranda Perera, BMT |
| 10.33am | Improving Floodplain Connections Tim Morrison, NSW Department of Climate Change, Energy, the Environment and Water |

Lunch – Wednesday 22 May - Electronic

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| 12.45pm | El Niño does not mean we're on vacation from floods Aoife Soden-Taylor, Brisbane City Council |
| 12.48pm | Nature's Fury: Assessing the March 2023 flood impacts at Lawn Hill Gorge Hong Vu, Arup |
| 12.51pm | Dollars and sense – an outcome driven way to prioritise limited budgets Joshua Eggleton, KBR |
| 12.54pm | Come Rain, Shine (or Wind): Differences between Wind and Solar Stormwater Management Ramya Srinivasan, Engeny Australia |
| 12.57pm | Flood Forecasting and Flood Management, Thailand Greg Whyte, DHI Water & Environment (HARD COPY POSTER) |

Morning Tea – Thursday 23 May - Electronic

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| 10.40am | Who Benefits? Using FloodAdapt to Support Equitable Flood Risk Management Simone De Kleermaeker, Deltares |
| 10.43am | Increasing flood resilience using flood intelligence software in the Hunter Valley Adrian Milne, NSW Department of Climate Change, Energy, the Environment and Water |
| 10.46am | Enhancing Floodplain Resilience and Climate Adaptation: Ross River Environmental Flow Paths Project Wesley Bailey, AECOM |

Lunch – Thursday 23 May - Electronic

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| 1.05pm | Juggling Competing Interests in ICOLL Management - The Byron Bay Experience Steve Twohill, Byron Shire Council |
| 1.08pm | An overview of renewable energy guidelines for flood risk assessments across Victoria Jorja Strack, Water Technology |
| 1.11pm | Gemfields flood triggers for spatially varying design events Anthony Densten, Stantec |
| 1.14pm | Review I: current Wivenhoe Dam Flood Manual – a mixture of understandings Greg McMahon, Integrated Project Management |
| 1.17pm | Review II: Wivenhoe Manual – companion paper - Greg McMahon, Integrated Project Management |
| 1.20pm | Design Solutions for Ocean Outfalls in a Changing Climate Ben Patterson, Royal HaskoningDHV |

Morning Tea – Friday 24 May - Electronic

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| 10.40am | Effect of mesh and roughness coefficients on mountainous terrain in 2D-flood modelling Oshini Peramuna, RMIT University |
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