

RUNOFF, REEF, REGULATION... *and reality checks*



CALL FOR ABSTRACTS

**2019 IECA Australasian Conference and
Stormwater Queensland Conference**

Tuesday, 1st – Thursday, 3rd October 2019
Hilton Cairns, QLD

Invitation to Participate

2019 IECA Australasian Conference and Stormwater Queensland Conference

On behalf of the Conference Organising Committee, we would like to invite you to join us for the joint **2019 IECA Australasian Conference and Stormwater Queensland Conference**. The Conference will be held at the Hilton Cairns, Queensland on Wednesday, 2nd and Thursday, 3rd October, 2019.

The Conference program will include two days of multi-stream sessions, a pre-conference Field Day on Tuesday, 1st October and a post-conference Technical tour/Family reef excursion on Friday, 4th October. The Conference will feature a co-located trade exhibition, providing an excellent opportunity to learn about the latest in product innovation. The Conference Dinner and Awards Presentation will be held on the evening of Wednesday, 2nd October, 2019.

Queensland has some of the most beautiful and popular natural assets that drive huge economic benefits to the region. But are we doing enough to protect them? Do we actually understand what it is we are trying to protect? Have we had the reality check we need to truly understand the problem and move forward with solutions? For that reason, the theme for the 2019 Conference is *“Runoff, reef, regulation... and Reality Checks”*.

The primary audience includes industry professionals such as engineers, asset managers, researchers, landscape architects, sustainability managers, knowledge transfer specialists, policy development practitioners, politicians, and advisors at all levels of government from:

- Government agencies
- Non-government agencies
- Research and development organisations
- Regional NRM Bodies
- Industry

The 2019 Conference will be a valuable forum for collaboration and discussion, and aspires to being a ‘catalyst for change’. It will bring together thought leaders and innovators, and provide opportunities for the industry to share successes, as well as provide education that can be used to provide tangible benefits for the communities, businesses, and environment that we all share.

We look forward to seeing you in Cairns in October 2019!

Kyle Robson & Adam Berry

Conference Convenors

2019 IECA Australasia and Stormwater Queensland Conference

Convened by



Conference Theme and Topics for Presentation

The Conference Committee, comprising representatives from Stormwater Queensland (SQ) and the International Erosion Control Association (IECA) Australasia, invites interested persons to submit an abstract to present at our upcoming conference in Cairns this October 2019.

Suppliers, consultants, asset owners, practitioners, academics, students – any and all land and water management professionals are encouraged to share their stories and experiences as a presenter.

While abstracts may be on any topic, those submitting are encouraged to strongly consider the conference theme: *“Runoff, reef, regulation... and Reality Checks”*. With so many established concepts and approaches for land and water management, this conference will explore the subtleties that exist within those approaches that can trip us up or mean the difference between success and failure. We’ll look at emerging technologies, established approaches, and will never discount embracing the old ways; what can we learn from past mistakes and how can we work smarter to manage our land and water resources? This conference aims to celebrate our successes, explore new challenges, encourage better integration of soil and water management, and promote engineering and science as complimentary disciplines.

Presenters will be required to indicate in which stream they wish their contribution to be considered in, including, but not limited to the concepts listed below:

Strategy, policy, planning, community and education

- Effective governance and regulation at all levels of government
- Integrating land and water management into urban and rural planning and design
- Community expectations and influences
- The environmental, community and economic realities of soil and water management
- Risk management throughout the project cycle
- The future of our water quality objectives
- Floodplain Management – New Frontiers for Qld in Risk based planning
- LGIP and Offsets Planning
- Process versus outcome – driving effective results for environmental management
- Putting a price on waterway health – the cost of land and water management
- How will our industry adapt to Climate Change?
- How do we know our water quality models are doing what they are meant to? Monitoring and regulating
- The Stormwater Plastics Problem

Science, engineering and innovation – new ways, old ways, better ways

- Have you undertaken an unconventional project or developed a new approach?
- Operation and maintenance – costs, success stories, challenges, retro-fits
- Successful adoption of innovation – does different always mean better?
- Doing what we’ve always done - reality checks on common practices
- Ensuring continuity – improving the knowledge transfer from design phase to construction phase
- Advances and technologies for effective land and water quality management
- Application of new AR&R16 and QUDM
- Pioneering and Development of Flood Forecasting Systems
- Maximising cost-benefit through design and application
- Identifying and overcoming institutional barriers to innovation in land and water management
- Modelling techniques, advances, challenges and integration
- Understanding new research in storm water pollutants – Is it what we think it is?

Collaborative land, floodplain and waterway health and management

- Integrated Water Cycle Management

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- Hidden traps and challenges in common land and water management approaches
- Holistic water cycle management – integration of construction and operational phase works
- Flood management and streamflow – managing, designing and recovering waterways through understanding of both land and water
- Integration of Flooding and Water Quality outcomes in the Reef

Abstracts that cross over several themes or topics are encouraged. Presenters should not be limited to their core discipline, as this conference aims to focus on integration between the goals of SQ and IECA. In addition, abstracts not specific to any of the core themes or topics listed above are still welcome.

We are particularly seeking submissions that encourage debate and will allow participants to explore new ideas that challenge existing paradigms and engage participants in collaborative discussions.

Important Dates

Abstracts are due by
Tuesday, 2nd April, 2019

Presenters will be advised of the outcome of their submission by
Friday, 26th April, 2019

Final PowerPoint's are due by
Monday, 23rd September, 2019

Presentation Formats

The Conference Committee is seeking Expressions of Interest for the conduct of concurrent presentations from stakeholders across all facets of the land and water management industry. Presenters are not required to prepare a written paper for the Conference.

Abstracts are being sought for presentations different types of conference presentations will be offered as follows;

1. 30-minute Concurrent Presentations
2. SHOTS (Short Hits of Training) (double session, approximately one hour)

30-Minute Concurrent Presentations

It is anticipated that concurrent presentations will be approximately 30 minutes in length. Delegates will then be allocated 5 minutes to move to the next session.

Presenters are required to indicate the theme/s best addressed by their topic to assist with programming.

SHOTS (Short Hits of Training)

SHOTs – Short Hits of Training – are back by popular demand. Rather than have pre-conference workshops, training opportunities will be included within the conference program to allow delegates to get their fill of technical content and learn new skills.

SHOTs will be approximately one hour in length, and will be a teaching workshop on a specific topic, presented by an industry expert(s).

SHOTs are not for showcasing products or services – they are intended to offer technical teaching content in a workshop style. Presenters of SHOTs should develop a PowerPoint presentation and, if desired, a basic handout to

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accompany it. SHOTs provide industry experts an opportunity to share their knowledge and hone their communication skills in a teaching environment.

As part of the Call for Abstracts, the conference committee also invites interested industry experts to submit a proposal to present a SHOT at the upcoming conference.

Suggested topics for SHOTs include (but are not limited to):

- Acid sulfate soils – what are they and why are they such a problem?
- Introduction to soil field tests
- Flood modelling and results interpretation
- What's new in bioretention design?
- Soil lab tests... What do all the numbers mean?
- Introduction to the NSW Blue Book
- Introduction to the IECA White Book
- Stormwater drainage design concepts on road projects
- How to use and apply the ANZECC guidelines
- Staging for stormwater projects
- How to prepare construction specifications for stormwater quality treatment devices
- RUSLE refresher
- Erosion and sediment control for linear projects
- Soil fertilizing and amelioration
- Type A and B basins – tips and tricks for design and operation
- AR&R16 how to apply it in modelling scenarios
- QUDM – What's changed in the latest version?
- How flood modelling software and hardware work – How to build a PC to suit
- What's behind the water quality models for the reef
- LGIP and Offsets schemes – How they are set up
- CFD and Flexible Mesh models
- The science behind pollutants and how do they affect receiving waterways
- Fish passage design
- How is Flood Forecasting undertaken?
- Water Quality modeling alternatives
- Understanding Referable Dams
- How to successfully design a vegetated swale into a subdivision

SHOT presenters will be offered discounted registration costs in recognition of the contribution they make to the technical aspects of the conference.

Abstract Submission Guidelines

The following guidelines apply for the submission of abstracts for all concurrent presentations.

- All abstracts must be submitted via the online Abstract Submission System available from the Conference website at <http://www.ieca-sqconference.com.au/>
- In total, abstracts should be no more than **400 words in length**. Abstracts exceeding this limit **will not be considered**.
- Submissions must include a biography of the presenter of up to 200 words. Submissions not including a biography of the presenter **will not be considered**.
- Abstracts must include the following information:

Author(s): Preferred Given Name, and Surname of all Authors
Presenter: Name of person/s who will present the presentation at the Conference

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Title:	e.g. Mr, Mrs, Ms, Dr, Prof for all persons listed above
Position:	Official job title of all presenter/s e.g. Stormwater Engineer
Organisation:	The organisation/institution with which the presenter/s are affiliated
Contact Details:	Phone and email details must be provided for the presenter/s
Presentation Type:	Concurrent session or SHOT
Presentation Title:	This is the title that will be included in the delegate workbook, conference website and promotional material for the Conference.
Stream:	Please indicate the most appropriate stream/s for your presentation as outlined in the dot points on page 3 of this document (for Concurrent Sessions only).

- **Abstracts for concurrent presentations and SHOTs** should be submitted by no later than **Tuesday, 2nd April, 2019**. Presenters will be advised of the outcome of their submission by no later than **Friday, 26th April, 2019**.
- Please note that the Conference Organisers and/or Committee will communicate only with the 'first author' of a presentation. In the case of co-authored presentations, it will be the responsibility of the 'first author' to pass on to the co-author(s), communications from the editors.
- All concurrent and SHOTs presenters are **required to register and pay for the Conference**.

Evaluation Criteria

Abstracts will be evaluated on the following criteria:

- Consistency with the nominated Stream: Does the abstract contain questions/challenges and identify that answers will be discussed?
- Originality & Innovation: The presentation is an original piece of work, be it research, experience or case studies of projects undertaken.
- Significance of the subject/project: The presentation adds to the knowledge, understanding and practical application of stormwater management and sediment and erosion control.
- Shared lessons and replicability: That the presentation demonstrates innovative solutions and provides information about the lessons learned, allowing others to apply those lessons.
- General quality of the material presented: That the presentation is consistent with the structure outlined in the Call for Abstracts. Abstracts will be judged on spelling, grammar and layout.

Further information

For information about technical content of presentations, please contact:

IECA Representative
ATTN: Kyle Robson
Email: admin@austieca.com.au

Stormwater Queensland Representative
ATTN: Rick Dennis
Email: rick.dennis@allandennis.com.au

If you require further information about the Conference or any assistance in submitting your abstract via the online system, please contact:

Peta Webster

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W: <http://www.ieca-sqconference.com.au/>