

# ***Building Resilience*** **CONFERENCE**

**8 – 10 MAY 2019**

Addington Raceway & Events Centre, Christchurch

## Conference Partners



## Premier Sponsors



# BUILDING RESILIENCE

Resilience is a strong emerging theme within the water sector. From long term water resource availability and water quality impacts of droughts, to the need for resilience against short lead time disruptive events such as floods and earthquakes.

These types of events not only disrupt water sector infrastructure and operations; they also affect other infrastructure that a reliable water sector depends on. This includes electrical power supplies, telecommunications, and transportation as well as disruption to the supply chain and workforce.

The impact of such events can be long lasting and far-reaching,

affecting negatively on customers, the environment, and business performance. Ultimately, resilience is a significant business risk management as well as an infrastructure planning issue.

This conference will explore ways in which the sector in its broadest terms is developing resilient systems, assets, and operations so that business continuity risk is well managed in the face of adverse conditions. The intention is to share experience from within New Zealand and other countries covering: real life examples of lessons learned from major events; good response and recovery practices; and current activities that are strengthening resilience.

## Welcome to our 2019 Building Resilience Conference

### WHO SHOULD ATTEND?

The issues we face each day are seen as important to the evolving role of Operations Professionals. Our conference provides the opportunity to network and discuss. We feel it's crucial that all companies and industry organisations have at least some staff who can communicate these developments to their peers at the conference, and when they return from the conference.

We suggest that contractors, LATEs and council staff alike attempt to send at least one operator from each of the fields of Water Treatment Operations, Wastewater Treatment Operations, and Retention Operations. Several employers have already committed to reducing to a skeleton staff and will be sending all the Operators they can spare, and we applaud their commitment.

### WATER TASTE TEST 2019

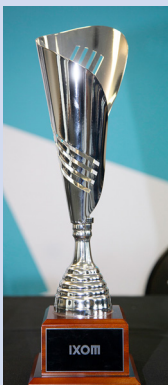
Proudly sponsored by IXOM

#### Are you up for the challenge?

All New Zealand water service providers are invited to compete to earn the title of the Best Tasting Tap Water in New Zealand.

The Grand Final of the WIOG New Zealand Water Taste Test will be held at lunch time on Thursday 9 May at the WIOG 2019 Conference in Christchurch.

Samples to be at the venue by **10am on Wednesday 8 May 2019**.

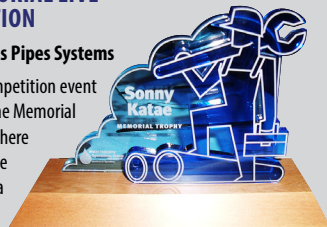


### SONNY KATAE MEMORIAL LIVE TAPPING COMPETITION

Proudly sponsored by Hynds Pipes Systems

This year the operator's competition event will become the Sonny Katae Memorial Live Tapping Competition where you will compete against the clock for the completion of a 20mm tapping onto Ductile Iron pipe.

The competition is being held at the Christchurch conference and teams will be **limited to 8 only** so get in quick to secure your spot, it will be first in first served. All teams will be notified by Monday 6 May if you have been successful in the draw.



To enter the Water Taste Test & Live Tapping Competition register your organisation at  
<http://www.wiog.org.nz/Conference-Registration>

### OPERATOR CHALLENGES:

Even though the operator competition has been replaced by the Sonny Katae Live Tapping Competition, some of our suppliers will still be running various challenges throughout the conference for operators and we encourage you to participate.

# PROGRAMME

## WEDNESDAY 8 MAY 2019

- 9.00 – 10.30** **Registration**
- 10.30 – 11.00** **Opening address:**  
Official of Christchurch City Council  
**Chairman's address:** Nick Hewer-Hewitt
- 11.00 – 11.30** **Key Note Speaker:**  
Dr Daniel Deere, *Water Futures, Director*
- 11.30 – 12.00** **Brent Gilpin, ESR**  
The World's Largest Campylobacteriosis Outbreak Havelock North, New Zealand August 2016
- 12.00 – 1.30** **Lunch** – Sponsored by **FRP Products & Conveyor Industries** including Live tapping, sponsored by **Hynds Pipe Systems**, and National Water Taste Test sponsored by **IXOM**
- 1.30 – 2.00** **Allan Law, Unity Water (Australia)**  
Ferrous Dosing for Rapid Response to Reduce STP Odours
- 2.00 – 2.30** **Roydon Gilmour, Anzor Stainless Steel Fasteners**  
PREN, Pitting Resistance Equivalent Number
- 2.30 – 3.00** **Mike Grumball, Connexis**  
ITO Update
- 3.00 – 3.30** **Afternoon Tea**
- 3.30 – 4.00** **Carly Price, The Questioning Engineer**  
What do the 6 principles of drinking water safety look like on the ground?
- 4.00 – 4.30** **Hugh Ratsey, The Wastewater Specialists**  
Bulking: When the Sh\*t hits the fan!
- 4.30 – 5.00** **Shalveen Sharma, Yokogawa Australia & New Zealand**  
Adapting to meet cyber security threats to your SCADA
- 6.00 – 6.30** **Pre-Dinner drinks**
- 6.30 – 11.00** **'Meet the Suppliers' Dinner**  
Key Note Speakers sponsored by **HydroTech Group**

## THURSDAY 9 MAY 2019

- 7.30 – 8.30** **Breakfast in Suppliers Area**  
(optional for delegates)
- 8.30 – 9.00** **Coffee on arrival**
- 9.00 – 9.30** **Seaton Rolleston, IXOM**  
Safe use & handling of chemicals for compliance to HSWA 2017 (reg, 4.5)
- 9.30 – 10.00** **Allan Jones, Nelmac Limited**  
Living Through an Algal Infection Pandemic
- 10.00 – 10.30** **Chris Rutherford, HydroTech Group**  
Success in Failure
- 10.30 – 11.00** **Morning Tea**
- 11.00 – 11.30** **David Allan, Palmerston North City Council**  
Treasure in Trash, How to exploit waste products for gain
- 11.30 – 12.00** **Alicia Klos, Waimakariri District Council**  
Pegasus Chemical Filter Conversion to Biological Filter
- 12.00 – 1.30** **Lunch** – Sponsored by **FRP Products & Conveyor Industries** including Live tapping, sponsored by **Hynds Pipe Systems**, and National Water Taste Test sponsored by **IXOM**
- 1.30 – 2.00** **Tara Okan, Aquaero New Zealand Ltd**  
The Dangers of Infection from Wastewater Treatment Plants
- 2.00 – 2.30** **Liping Pang, Institute of Environmental Science and Research (ESR)**  
Development of new pathogen surrogates and artificial DNA tracers for water applications
- 2.30 – 3.00** **Afternoon Tea**
- 3.00 – 3.30** **Philip Macdonald, Invercargill City Council**  
Braxholme 2016 Upgrade
- 3.30 – 4.00** **Thomas Board, Filtec Ltd**  
Membranes and the Death of Conventional Water Treatment Plants
- 4.00 – 4.30** **Water Industry Operators Association of Australia (WIOA) NZ tour debrief** – slideshow
- 4.30 – 4.45** **AGM**
- 6.30 – 7.30** **Pre-Dinner drinks**
- 7.30 – 11.00** **Conference & Awards Dinner**



Espresso Coffee Cart available throughout the conference,  
sponsored by **XYLEM**



## FRIDAY 10 MAY 2019

**9.00 – 12.00** **Plant Tours** – Buses sponsored by **Grundfos**

Buses depart 9.00 from outside the Addington Raceway & Events Centre, returning by 12 noon

## ABOUT WATER INDUSTRY OPERATIONS GROUP (WIOG)

The Water Industry Operations Group of New Zealand (WIOG) is a national "not-for-profit" Incorporation formed in 2006 by a group of dedicated water & wastewater operations professionals.

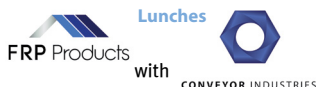
Our membership covers professionals in water and wastewater treatment, reticulation and construction, asset management, engineering, supply owners and industry suppliers.

The goals and objectives of the group are simple... to provide our members with the opportunities to enhance their knowledge, experience and to provide them with a voice. The group also promotes the water industry "source to discharge" as a whole in order to raise public awareness.

### Silver Sponsors



### Conference Supporters



Meet the Suppliers Dinner Speakers



Coffee Cart



## ACCOMMODATION

The Chateau on the Park is located at 189 Deans Ave, Riccarton, Christchurch, they have offered delegates a conference rate of \$170 per night plus \$23 breakfast for 7, 8 and 9 May 2019.

For bookings [click here](#), or refer to the Chateau on the Park link on the WIOG webpage. Use the code: GWATB.

If you wish to extend your stay please contact Laura Gorrie on 03348 8999 to secure the conference rate.

You are very welcome to choose any other hotel or motel in Christchurch that suits your needs. Accommodation near to the Addington Raceway & Events Centre is also shown on the WIOG webpage.

### Award Sponsors

#### Operator of the Year



#### Young Operator of the Year



#### Mentor of the Year



#### National Water Taste Test



#### Te Oranga Wai



#### Best Operator Paper



#### Sonny Katae Memorial Live Tapping Competition

