



**RIDLEY**  
**AUSTRALIAN**  
**PRAWN FARMERS**  
**ASSOCIATION**  
**SYMPOSIUM 2018**

# Smart Farming

**SYMPOSIUM PROGRAM**



13 – 15 August, 2018 | **RACV Royal Pines Resort**  
**Gold Coast, Australia**



AUSTRALIAN  
**Prawn**  
**Farmers**  
ASSOCIATION

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## WORDS FROM THE PRESIDENT

Welcome one and all to the 2018 edition of the most important event in the Australian prawn farming calendar - The Ridley Australian Prawn Farmers Association Symposium. Great conferences are delivered through strong partnerships. The APFA are pleased that Ridley Aquafeed have continued their longstanding support of our industry through continued naming rights sponsorship - Ridley's sponsorship is now in its thirteenth successive year.

No event can be successfully delivered without a strong and dedicated support team. To the Organising Committee, loyal sponsors, RACV Royal Pines and support staff, thank you for helping deliver a great platform for networking and knowledge sharing. Most important of all, I would like to thank the delegates, whose commitment to this event and passion for our industry combines to deliver such a viable and focused event.



Our industry is renowned for the quality of product and the standard of our farming practices. Critical to advancing this is the networking of business owners, operational staff and key members of the supply chain. Effective change does not happen by chance and reputation is not built on unproven practices. That is why I am grateful for the continued commitment of farms and businesses to allow staff to attend, to participate and help industry identify in the context of the 2018 Symposium, how Smart Farming can help the Australian Prawn Farming industry move forward in an ever changing and challenging farming and marketing landscape.

*Matt West*



## Key Sponsors



### Proaqua is proud to support the Australian Prawn Farmer's Association Symposium 2018

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has been a sponsor for 19 years and a naming sponsor for 13 years

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### **Primo Aquaculture**

Genetics workshop sponsor with Oscar Hennig and lanyards sponsor

### **Skills Impact**

Sponsor 7 people to gala dinner

### **Wiley**

Espresso coffee cart sponsor

### **APFA FRDC**

(Sponsoring of George Chamberlain)

Thanks goes to the 2018 Symposium Organising Committee – Dallas Donovan, Tony Charles, Kim Hooper, Veronica Cox, Ben Pope and Marcell Boaventura, whose support and assistance, along with other collaborators were key in making it all come together. Delivering a successful event also requires the support of sponsors, speakers and delegates. Thank you from the APFA Executive for coming along and making this symposium better each year.





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## General Information

### Arrival

Monday 13th August 2018  
– delegates arrive at leisure.

Guests enjoy the RACV Royal Pines Resort and surrounds.

### Registration

Registration starts at 8:00am on  
August 14th 2018

Delegates can collect name tags, lanyards, symposium satchel and program. Morning tea, lunches and afternoon teas will be provided throughout the symposium.

### Meetings

#### Monday 13 August 2018

Annual General Meeting for Australian Prawn Farmers Association. Meeting starts at 2.00pm in the Karrie Webb Room.

### President's Welcome Reception

President's welcome reception will be held in the **Hydrate Bar from 6:30pm to 8:30pm on Monday 13th August 2018.**

Thank you to Gold Coast Marine Aquaculture for donating prawns and thank you to CSIRO for sponsoring the reception canapés.

After the President's Welcome Reception, guests are free to enjoy the RACV Royal Pines Resort and surrounds. The Resort's leisure and dining options can be found at <https://www.racv.com.au/travel-leisure/racv-resorts/our-destinations/royal-pines-gold-coast-resort.html?cmpid=gp:rpr>. Restaurant bookings are recommended.

### Gala Dinner

**Tuesday 14th August 2018  
from 7.00pm to 11:00pm.**

Dinner will be served in the Royal Poinciana room. Thanks to Yokogawa Aust Pty Ltd for sponsoring the beverages and to Fresh By Design for sponsoring the dinner. Thanks to Fresh By Design also for sponsoring the APFA annual awards. Thank you to Seafarms for donating farmed prawns for entrees this year.

Master of Ceremony's – Scott Williams, Affectionately known as 'The Doctor', Scott is not only a naturally funny comedian, delivering a rich blend of clean, smart comedy and hilarious audience participation but also a world class emcee and keynote presenter. (Arrangements made by Vavachi Entertainment 0414 725 097.)



◀  
*William Scott –  
Master of  
Ceremonies*



## Opening Addresses



### **Matt West**

**9:00 am**

President of the Australian Prawn Farmers Association – Opening.



### **The Honourable**

### **Mark Furner**

**9:15 am**

Minister for Agricultural Industry Development and Fisheries



### **John Dickinson**

**9:00 am**

BMS, NZACA, GAICD  
Group Divisional Manager –  
Ridley Aquafeed

## Keynote Speakers



### **George Chamberlain**

Dr George Chamberlain is President of the Global Aquaculture Alliance (GAA).

George, co-founded the GAA in 1997, a science-based non-profit organisation, dedicated to

the sustainability of aquaculture.

George's interests focus on delivering policies, standards, and technologies to improve sustainability and therefore enable aquaculture to feed the world.



### **Oscar Hennig**

Oscar Hennig is the Operations Director of Benchmark Group's Spring Genetics.

Oscar is a pioneer in delivering productivity and profitability to the shrimp industry through his knowledge of shrimp breeding and domestication programs.

An expert in *P. monodon*, his experience and practical knowledge will be an invaluable insight to delegates.



## Keynote Speakers



### Brett Wiskar

Brett Wiskar (Wiley's R&D and Innovation Director), is a technology focussed futurist with a keen eye on the industrial market of the next 15 years. Brett will present on key technology innovations that are driving disruption in all industries across the globe. So, what's driving this change?



### William Pegg

William Pegg is the Director and Founder, Synthesis Group.

A successful track record of delivering Innovation through procurement enables Synthesis Group to deliver profit generating solutions to clients.



### Dien Luong

Dien Luong is The Chief Procurement Officer of Viet-Uc.

Dien brings a commercial perspective to innovation technology that includes helping deliver the world's largest shrimp hatchery, producing 15 billion post-larvae each year.

Dien will detail transformations within Vietnam that have depended on the successful incorporation of technology within commercial footprints.



### Ana Teresa Gonclaves

Dr Ana Gonçalves, is a nutrigenomics researcher at the Interdisciplinary Centre for Aquaculture Research (INCAR) in Chile.

Since 2013, Ana has delivered research on aquaculture sustainability, functional feeds and diet optimisation. Her expertise in nutrigenomic tools has increased understanding in intestinal functioning, gut microbiome and modulation across multiple species.



## Opening **Karrie Webb Room**

9:00 Matt West, President APFA and John Dickinson BMS, NZACA, GAICD Group  
Divisional Manager – Ridley Aquafeed

## Prince Room

Time	Speaker	Topic
9:15 – 9:30	Hon Mark Furner MP	Minister for Agricultural Industry Development and Fisheries
9:30 – 10:00	George Chamberlain	President Global Aquaculture Alliance
10:00 – 10:30	Brett Wiskar	Foresight on the Future of Food in a technology revolution
10:30	Break	
11:00 – 11:40	William Pegg	Smart Management: Profit through Procurement
11:40 – 12:00	Tracey Murray	Cycle of Innovation
12:00 – 12:20	Regis Bador	Centralised Analytical Software
12:20 – 12:40	John Muehlebach	Upping the ante: Using state-of-the-art machine vision to outsmart the birds.
12:40 – 12:45	Tansyn Noble	Heritability of GAV Resistance
12:45	Lunch	
13:40 – 14:00	Woolworths	Innovation in the retail environment
14:00 – 14:20	Kerrod Beattie and Maria Hauff	WSSV in Queensland, the current state of play.
14:20 – 14:40	Michael Pritchard	The benefits of practical biosecurity

## Panel Discussion

14:40 – 15:10 Prawn Pathogen Testing Why and How?  
(Dr Nick Moody CSIRO AAHL, Dr Tim Lucas QDAF Biosecurity, Dr Jeffrey Go (NSW DPI), Dr Jeff Cowley (CSIRO), Dr Kelly Condon JCU, Dr Matt Landos Future Fisheries, Dr Melony Sellars (CSIRO))

15:10 Break

15:30 - 15:50 Mehar Khatkar Artificial Intelligence: Applications for prawn farming

15:50 - 16:10 David Hine Technology with broad appeal, lessons from the banana industry

16:10 - 16:30 David Walker How IoT is transforming Aquaculture

## Panel Discussion

16:30 The Key to Innovation & Smart Aquaculture (George Chamberlain, Mati Nitibhon, William Pegg, David Walker, Dien Lueng)

**Prince Room**

<b>Time</b>	<b>Speaker</b>	<b>Topic</b>
8:30 - 9:00	Dien Luong	Super intensive Shrimp farming and technology use in Vietnam
9:00 - 9:30	Oscar Hennig	The importance of shrimp breeding programs in smart farming.
9:30 - 9:45	Thorir Sandholt	Processing technology and best practice
9:45 - 10:00	Richard Smullen	Smart Farming: The critical role of nutrition
10:00	Break	
10:30 - 11:10	Ana Teresa Gonclaves	Alliance between aquatic livestock production, nutritional modulation and nutrigenomics in Chilean aquaculture
11:10 - 11:30	Michelle Ingley-Smith	Attracting a skilled workforce
11:30 - 11:50	Rodney Missen	RAS and international technology use
11:50 - 12:10	Gavin Shaw	Trends in the Global Shrimp Industry
12:10 - 12:15	Sarah Berry	A simple condition index for prawns
12:15	Lunch	
13:10 - 13:30	Nick Moody	YHV7 trials and WSSV projects
13:30 - 13:50	Lonny Ware	Efficient products and smart farming
13:50 – 14:20	Paul Palmer	Biosecurity Risks of Polychaetes used as broodstock feed.(5 mins) Melony Sellors - Prawn RNAi Antivirals (10 mins)
14:20 – 14:25	Cheryl Tan	Poster Talk
14:25 – 14:35	David Mann	Treating incoming water biosecurity risks
14:35	Break	
15:00 - 15:20	Glenn Wormald	Prawn Nurseries; Their role in improving efficiencies and yields
15:20 - 15:40	Vivianna Lazzarotto	Nutritional programming: a new strategy for prawn farming
<b>Panel Discussion</b>		
15:40 - 16:20	What does the APF Industry, using Smart Technology, Look Like? (Matt West, Richard Smullen, Oscar Hennig, Gavin Shaw)	
<b>Closing</b>	<b>Prince Room</b>	
16:20	Matt West & Tim Hart (CLOSE AT 4:30PM)	

## Workshops

### Karrie Webb Room

#### Tuesday 14th of August

Time	Speaker	Topic
11:00 – 12:40	Kelly Condon	CRCNA Prawn Biosecurity project workshop. Applying Molecular Analysis to detect pathogens on farm
13:40 – 15:10	David Mann	Harmful Algae Blooms.

#### Wednesday 15th of August

Time	Speaker	Topic
10:30 – 12:15	Matt Landos / James Fensham	Biosecurity for prawn farm technicians
13:10 – 14:35	Oscar Hennig	Breeding programs and shrimp genetics

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