

# WAIPUNA

HOTEL & CONFERENCE CENTRE



## PMANZ 2024 Biennial Conference



**Where: Waipuna Hotel and Conference Centre,  
Auckland When: 29<sup>th</sup> and 30<sup>th</sup> August 2024  
Be there. All are welcome...**



### PMANZ CONFERENCE 2024

## "EMERGING CHALLENGES IN PEST MANAGEMENT"

This conference will focus on the evolving nature of pest management and the new challenges it presents. Discussions will cover the need for adaptive pest control strategies.

Thursday 29th and Friday 30th August 2024.

## COME and listen to:

William H Robinson, B.A., M.A. and PhD,

### Researcher and Innovator



Bill was a Professor and Director of the Urban Pest Control Research Centre at Virginia Polytechnic Institute and State University for about 30 years. Along with 20 graduate and post-doctoral students he has conducted and published research on cockroaches, carpenter ants, dust mites, fleas, flies (phorids), termites, wood-infesting beetles, insecticide resistance, wood protection, insecticide application technology and turf pests. He has written several books on urban entomology and a series of training manuals for service technicians. Dr Robinson is a renowned pest control researcher and innovator who possesses half a century of experience studying and testing application technologies and techniques. Founder of the Urban Pest Control Research Centre, he has served as technical director for B&G Equipment and The Fountainhead Group.

Thursday 29 <sup>th</sup> 9.15 – 10.00	<b>William Robinson – “Pest Control Myths - It seems Logical”</b> I work through some common ideas that need to be left behind as the industry gets better.
Thursday 29 <sup>th</sup> 13.50 – 14.40	<b>William Robinson – “The Real Story of the German Cockroach - Behind the Scenes”</b> I want to use the biological traits that this cockroach relied on to make the trip from caves in Borneo to the kitchens of the world. If we think about those traits, we'll have insight into control.
Friday 30 <sup>th</sup> 9.40 – 10.30	<b>William Robinson – “Wood Protection Basics”</b> This is a primer about what to expect when liquid insecticides are applied to wood (wood in use). It's about penetration and target pests. This also has an 'economics' theme.
Friday 30 <sup>th</sup> 11.00 – 11.30	<b>William Robinson – “Subject Matter Expertise -- Sit There and Pay Attention”</b> I believe there is a level of knowledge the audience has, and they should recognize that, and I believe that we need to do more. I think this message also targets manufacture representatives, distribution, regulatory, and owner-operators. <i>'I'm just here with the band'</i> doesn't work anymore...we all have to have a technical base of knowledge.
Friday 30 <sup>th</sup> 11.30 – 12.30	<b>Panel Discussion - Your Questions Answered Dr's Bill Robinson and Paul Craddock</b>



**Dan Tompkins,  
Science Director, Predator Free 2050 Limited**

Dan is the Science Director at Predator Free 2050 Limited, helping to drive Aotearoa New Zealand's 'Predator Free 2050' mission to eradicate mammal pests severely impacting native biodiversity from the country by 2050. Although now focussing on science strategy and conservation outcomes, Dan maintains research interests in wildlife disease ecology. Past research impacts also include understanding pest mammal community dynamics; demonstrating the efficacy of vaccination against TB in wildlife; exploring novel high-tech approaches to pest control; and showing how shared diseases contribute to native species declines. Dan frequently participates in international discussions on conservation and new technologies, having recently been a member of the International Union for Conservation of Nature Task Force on Synthetic Biology and the United Nations Convention on Biological Diversity Ad-Hoc Technical Expert Group on Synthetic Biology.



Thursday 29<sup>th</sup>  
10.30 – 11.15

**Dan Tompkins –  
“Predator Free 2050 Update”**

**Helen Blackie, PhD, MSc,  
Biosecurity Consultant, Associate Partner, Boffa Miskell**

Helen has over two decades' experience in conservation and pest management, with a focus on predator ecology. Her background is in the R&D sector, and she currently leads multiple research projects, in New Zealand and internationally, focused on innovations in pest control and surveillance. Several of her projects are currently developing 'edge' AI to enable species-specific control and monitoring tools to reach the market. Helen also advises clients on how to achieve large-scale pest control objectives and outcomes.



Thursday 29<sup>th</sup>  
11.45 – 12.30

**Helen Blackie –  
“Using Artificial Intelligence for pest control and surveillance”**

**Pest management is crucial to avoid extinction of New Zealand's threatened species. Management of introduced mammalian pests has come to the fore with the Predator Free 2050 programme, which aims to rid the country of rats, stoats and possums by 2050.**

## Paul Craddock PhD

### Technical Consultant, Hi-Tech Pest

Paul has extensive experience in commercial, residential, and environmental pest management, having worked with the Auckland Regional Council, Department of Conservation, Flybusters/Antians and Rentokil Initial over the past 20 years. Paul has held operational management roles for over 8 years managing a team of pest control technicians, providing technical support and training and was the scientific specialist for a range of biosecurity and large-scale pest control projects in New Zealand and the Pacific region, including ants, mosquitoes, flies and other pests.



Thursday 29<sup>th</sup>  
14.40 - 15.00

**Dr Paul Craddock –  
“Continuing Professional Development (CPD)”**

Friday 30<sup>th</sup>  
11.30 – 12.30

**Panel Discussion - Your Questions Answered  
Dr’s Bill Robinson and Paul Craddock**

## Peter McCarthy

### Director, Pest IT Pty Ltd

Peter McCarthy is a leader in structural bird management training, design, specification and installation in Australia and now New Zealand. His experience with bird netting, electric ledge deterrents, physical devices and scare deterrents is extensive. As an innovator, Peter has introduced several new technologies since the early 1990’s with the latest development being both Laser Deterrents and Electromagnetic Field Technology for managing pest birds.

Peter is a director of Pest IT Pty. Ltd. incorporated in 2004 and is working with Australian and New Zealand pest managers in development of new markets with bird deterrent systems from AvePro, Eagle Eye, Bird barrier, Magnet Trap and now Flock Off. In 2022, Peter set up a New Zealand partnership for the distribution of Flock Off to local pest management firms and initial installations have replicated the success of the product in Australia.

With over thirty years of involvement in bird management, from managing a kiwi fruit farm in Western Sydney to leading bird management development with Pest IT, Peter’s understanding of the subject is both practical, scientific, technical and occasionally humorous.



Thursday 29<sup>th</sup>  
15.50 – 16.30

**Peter McCarthy -  
“New Developments in Bird Management”**

The bird management market shares numerous similarities to the wider pest management community. As such, bird managers must maintain a high level of knowledge of pest bird behaviour, bird control techniques and the latest developments in management technologies. Existing deterrent systems include the wide variety of exclusion, physical, electric and scare products and systems. Ethical and animal welfare considerations are now at the forefront of our industry and bird managers need to be aware of both their legal obligations as well as sensitive public perception.

## Stephen Mansfield MSc.

### Verifier, Quality Auditing Specialists Limited.

Stephen's formative years were completing post graduate environmental studies and working in analytical laboratories for the Irish Dairy Industry. He moved to New Zealand in 1994. He has over 28 years' experience working in all aspects of verification. He commenced working in this area with IANZ (aka Telarc) as an Auditor. From there he moved to MAF Quarantine (now MPI) as a Quality Manager, leading the service to gain ISO 17020 Accreditation as a national inspection body. This role evolved to verification of fumigations and leading inspection teams for Approved Transitional Facilities. Stephen is a co-founder of IVS which is a leading MPI approved independent verification agency. For the last 8 years, Stephen has been with Quality Auditing Specialist as a recognised Verifier under the Food Act 2014 and Wine Act 2003. He leads verification audits of inputs to the food chain from gate to plate e.g. food manufacturers, retailers, wholesalers, transporters, food storage, breweries, and wineries. In all these verifications pest control is a regulated input to verify.



Friday 29th  
9.00 – 9.40

Stephen Mansfield – Food Quality Auditor  
“Leading your Clients to Compliance”



Stephen Presenting at our 2022 Conference.

# FULL 2024 CONFERENCE PROGRAMME

Thursday 29<sup>th</sup> August 2024

8.00 – 9.00	<b>Registration, Coffee, Meet and Greet</b>
9.00 – 9.05	<b>Conference Welcome – Peter Barry</b>
9.05 – 9.15	<b>Opening Address: PMANZ President, Maihi Cooper</b>
9.15 – 10.00	<b>William Robinson – “Pest Control Myths - It seems Logical”</b>
10.00 – 10.30	<b>Morning Tea</b>
10.30 – 11.15	<b>Dan Tompkins – “Predator Free 2050 Update”</b>
11.15 – 11.45	<b>Platinum Sponsor Presentation</b>
11.45 – 12.30	<b>Helen Blackie – “Using Artificial Intelligence for pest control and surveillance”</b>
12.30 - 13.30	<b>Lunch Break</b>
13.30 – 13.50	<b>Gold Sponsor Presentation</b>
13.50 – 14.40	<b>Bill Robinson – “The Real Story of the German Cockroach - Behind the Scenes”</b>
14.40 - 15.00	<b>Paul Craddock – Continuing Profession Development (CPD)</b>
15.00 – 15.30	<b>Afternoon Tea</b>
15.30 – 15.50	<b>Silver Sponsors Presentations</b>
15.50 – 16.30	<b>Peter McCarthy - “New Developments in Bird Management”</b>
16.30 - 17.00	<b>Bronze Sponsors Presentations</b>
17.00 - 21.00	<b>Conference Networking and Buffet Dinner</b>

Friday 30<sup>th</sup> August 2019

8.30 – 9.00	<b>Coffee, Meet and Greet</b>
9.00 – 9.40	<b>Stephen Mansfield – Food Quality Auditor “Leading your Clients to Compliance”</b>
9.40 – 10.30	<b>Dr William Robinson – “Wood Protection Basics”</b>
10.30 – 11.00	<b>Morning Tea</b>
11.00 – 11.30	<b>William Robinson – “Subject Matter Expertise -- Sit There and Pay Attention”</b>
11.30 – 12.30	<b>Panel Discussion - Your Questions Answered Bill Robinson and Paul Craddock</b>
12.30 - 12.40	<b>Conference Close: Vice President, Gerwyn Jones</b>
12.40 – 13.30	<b>Lunch</b>
13.30 – 15.00	<b>PMANZ AGM Councillors and Members Only</b>

**This programme may be subject to change.**



## **Pest Management Association of New Zealand**

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