



AIP NEWS

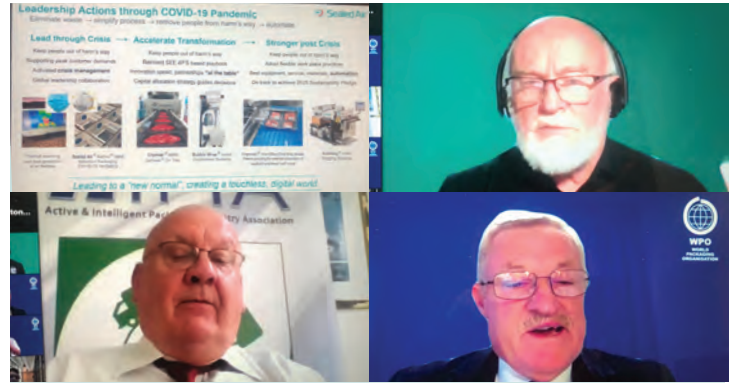
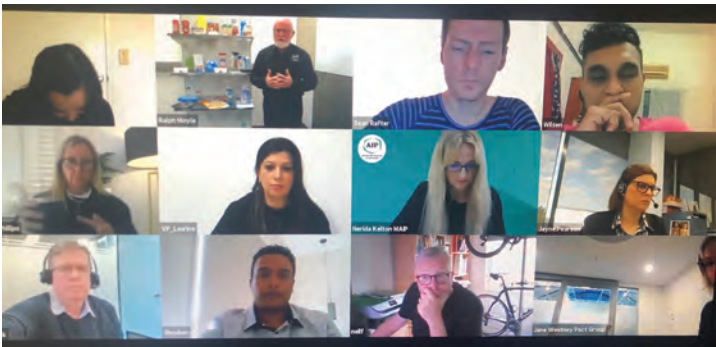
AUGUST 2020



AUSTRALIAN INSTITUTE OF PACKAGING

July has been a busy month for the AIP with two more virtual training courses being run. 1. Introduction to Sustainable Packaging Design by Ralph Moyle, FAIP, CPP and 2. The future of Sustainable Labelling by Dr Carol Kilcullen-Lawrence FAIP, CPP. Close to 70 people attended the two courses from Australia, New Zealand, the Philippines and Malaysia. The AIP virtual training courses are available for anyone to attend from anywhere in the world.

The next four courses will be the New World of Plastics Technology: Polymers & Recycling (August 11th), Implementing the new Sustainable Packaging Guidelines within your Business (September 1st), the use of Lifecycle Assessment Tools for Sustainable Packaging Design (September 30th) and Tools to Help You Meet the 2025 National Packaging Targets: PREP & ARL (October 2020). Training Course details are available on the events section on the AIP website www.aipack.com.au



How COVID-19 is impacting the role that packaging plays when discussing Food Safety & Food Integrity Webinar

The second webinar in the five-part series being run by Informa Markets and the World Packaging Organisation (WPO), and supported by the Australian Institute of Packaging (AIP), was held in late July with four global experts joining a panel discussion on how COVID-19 is impacting the role that packaging plays when discussing Food Safety & Food Integrity.

The panellists included Dr Johannes Bergmair, General Secretary World Packaging Organisation (WPO), Andrew Manly, Communications Director, Active & Intelligent Packaging Industry Association (AIPIA), Surendra Soni, Sector Marketing Director – Fluids, Processed Foods, Ready Meals, Sealed Air Packaging Co Thailand and Ralph Moyle FAIP, CPP, Education Coordinator, Australian Institute of Packaging (AIP). The facilitator for the event was Prof Pierre Pienaar FAIP, CPP. Participants came from over 35 countries across the globe and there were some informative questions at the end of the webinar. The AIP is proud to be contributing to this webinar series with Webinar 3 being held on the 19 of August. To see the full webinar please visit the link <https://youtu.be/v2hsP-GHFdQ>

NEW MEMBERS

The AIP would like to welcome the following new Members...

NAME	STATE	GRADE
Nicole Garofano	QLD	Associate
Nathan Hall	QLD	Associate
Somayah Shirdel	SA	Member
Matthew Collinson	VIC	Associate
Michael Gardiner	VIC	Associate
Janette Hughes	VIC	Associate
Fiona Kelly	VIC	Member
Bridget Spiteri	VIC	Associate

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Up-Coming Virtual Training Courses & Webinars

All AIP Education & Training activities attain points towards the Certified Packaging Professional (CPP) Designation



AUSTRALIAN INSTITUTE OF PACKAGING

AUGUST 2020

AIP New World Of Plastics Technology: Polymers & Recycling On-Line Training Course - NEW COURSE

WHEN: **11 August**

WHERE: On-Line via Zoom

WHAT: Today there are hundreds of identified 'species' of synthetic polymers. Any of these is available in a range of molecular masses, most can be influenced by processing conditions. Therefore the choice in plastics is almost limitless. Polymer science is the subfield of materials science concerned with polymers, primarily synthetic polymers such as plastics. The field of polymer science includes researchers in multiple disciplines including chemistry, physics, and engineering. This Training Course is intended for those that have spent a number of years in some related plastics industry.

TRAINER:



Prof Pierre Pienaar MSc, FAIP, CPP
Education Director
Australian Institute of Packaging (AIP)



SUPPORTED BY



Informa Markets & WPO Webinar 3: How COVID-19 is impacting Sustainable Packaging and Global Recycling Targets

WHEN: **19 August**

WHERE: Via Zoom

WHAT: Webinar 3 in the series will discuss how COVID-19 is impacting the packaging industry in relation to Sustainable Packaging & Global Recycling Targets. The interactive session will include a global panel of experts who will discuss Global Sustainable Design Targets, the revival of Single Use Packaging, the revival of plastics packaging to secure food and Littering/Collection contaminated PPE - recycling issues.

The Panellists will include:



Aslihan Arikan
President
Asian Packaging Federation (APF)
Vice President Education – World Packaging Organisation (WPO)



Chakravarthi AVPS
Global Ambassador
World Packaging Organisation (WPO)



Henky Wibawa
President
Indonesian Packaging Federation (IPF)



Nerida Kelton MAIP
Executive Director
Australian Institute of Packaging (AIP)
ANZ Board Member – World Packaging Organisation (WPO)



Facilitator
Prof Pierre Pienaar MSc, FAIP, CPP
President- World Packaging Organisation (WPO)
Education Director - Australian Institute of Packaging (AIP)





AUSTRALIAN INSTITUTE OF PACKAGING

Up-Coming Virtual Courses, Webinars and Tradeshows

All AIP Education & Training activities attain points towards the Certified Packaging Professional (CPP) Designation



SEPTEMBER 2020

AIP Implementing the Sustainable Packaging Guidelines Within Your Business On-Line Training Course - NEW COURSE

WHEN: **1 September**

WHERE: On-Line via Zoom

WHAT: The 'Implementing the Sustainable Packaging Guidelines Within Your Business' Training Course will enable companies to deep-dive into how to implement Sustainable Packaging Design into your existing and new packaging development processes to ensure that the business is reducing the environmental footprint of all packaging where possible, and at the same time meeting the 2025 National Packaging Targets.

The Sustainable Packaging Guidelines (SPGs) have been established to assist the design and manufacture of packaging that meets the sometimes conflicting demands of the market, consumer protection and the environment. Sustainable Packaging ultimately ensures that the design provides the lowest possible environmental impact compared to existing or conventional packaging. Sometimes achieving the lowest possible environmental impact can be challenging, particularly when balancing various environmental criteria with other functional and commercial considerations.

TRAINER:



Ralph Moyle FAIP, CPP
Education Coordinator
Australian Institute of Packaging (AIP)



PROUD PARTNER OF THE AIP



AIP Members to receive discount to attend first-ever AIPIA Virtual Congress Stay at home to attend the biggest Smart Packaging event of 2020

WHEN: **10 September 2020**

Whilst AIPIA may not be able to bring you the Reality of a face to face Congress this year, the AIPIA Virtual Congress on 10th September 2020 is shaping up to be the best Smart Packaging encounter of the year! More than 30 speakers and 22 booth holders in the presentation area means there is a real buzz of expectation.

As well as all the normal fun of an exciting program of speakers, including two major Brand Owner Challenges by Takeda and Kraft/Heinz, delegates will be treated to, and can participate in, Panel Q&As on some current 'hot' topics as well as Live Technology Streams and top notch Keynotes.



"We have decided to experiment with some really interactive sessions," explains Eef de Ferrante, managing director of AIPIA.

"One Panel will take as its theme the challenges facing the Smart Packaging sector and why things are not happening faster for some of the technologies. Another will explore 'circularity' and how our sector fits in to the sustainability equation."

Familiar names already lining up in the demonstration area include Aptar, AsahiKASEI, Digimarc, Kezzler, Systech, Toppan and Zappar. But they are also joined by several new faces such as Inspectron, Jenton Dimaco, Sincompress and Syntegon (the new name for Robert Bosch Packaging).

For ALL AIP Members and Partners who would like to attend the Congress please use the discount code AIPIA-VC-10 when registering <https://www.aipia.info/congress-registration.php>

FOODTECH PACKTECH 2020



WHEN: **22 to 24 September**

WHERE: ASB Showgrounds, Auckland, New Zealand

WHAT: New Zealand's leading trade show for the food & beverage manufacturing and supply chain industries.

September 2020

Informa Markets & WPO Webinar 4:

How COVID-19 is impacting the role that Packaging plays in Food Waste and Food Insecurity

WHEN: **23 September**

WHERE: Via Zoom

WHAT: Webinar 4 in the series will discuss how COVID-19 is impacting the role that Packaging plays in Food Waste and Food Insecurity. The interactive session will include a global panel of experts who will discuss Safety, Save Food Packaging Design, Food Security and Insecurity, Food Recovery & Collection programs.

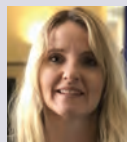
The Panellists will include:



Dr Manfred Tacker
Head of Department of Packaging Technology and Resource Management at University of Applied Life Sciences, Vienna



Dr Srinivasan
President
World Design Organisation (WDO)



Nerida Kelton MAIP
Executive Director
Australian Institute of Packaging (AIP)
ANZ Board Member – World Packaging Organisation (WPO)



Kishan Singh
Global Ambassador
World Packaging Organisation (WPO)

Facilitator:



Prof Pierre Pienaar MSc, FAIP, CPP
President - World Packaging Organisation (WPO)
Education Director - Australian Institute of Packaging (AIP)



informa
markets



WPO
WORLD
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PROPAK

The Use of Lifecycle Assessment Tools for Sustainable Packaging Design

On-Line Training Course

WHEN: **30 September**

WHERE: On-Line via Zoom

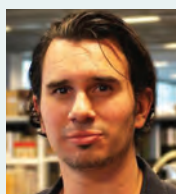
WHAT: The Use of Lifecycle Assessment Tools for Sustainable Packaging Design training course is aimed at providing an introduction and learning framework for packaging industry professionals to apply lifecycle thinking to their working contexts. This includes an understanding of the reasons why lifecycle thinking is critical, as well as how the method may be used for packaging design projects they manage.

The course will be structured to cover the following:

- Understanding the current shifts and challenges in Sustainability
- What is Lifecycle Assessment?
- Why is Lifecycle Assessment an important tool in Sustainable Packaging Design?
- How do you quantify eco-efficiency?
- Lifecycle Thinking within Sustainable Packaging design
- Introduction to Lifecycle Assessment (LCA) and Its benefits
- Case Study Examples and Interactive hands-on LCA tool usage
- Seizing the strategic opportunity in Sustainability
- Better understanding of how to use LCA tools for competitive advantage and to establish strong relationships across your Supply Chain partners



TRAINER:



Dr Simon Lockrey

Coordinator - Design Action Program + ID Engineering Courses
Senior Lecturer / Research Fellow - School of Design
School of Design, College of Design and Social Context,
RMIT University, Australia

PROUD PARTNER OF THE AIP





AUSTRALIAN INSTITUTE
OF PACKAGING

Up-Coming Tradeshows: New Dates

Update your calendar for 2020 and 2021



OCTOBER 2020

PROPAK ASIA 2020: NEW DATES

PROPAK ASIA

WHEN: **20 to 23 October**

WHERE: BITECC
(Bangkok International Trade & Exhibition Centre)
Bangkok, Thailand

WHAT: ProPak Asia 2020 is the largest annual Processing & Packaging trade event for the ASEAN region with nine industry focused zones bringing buyers from across the world.

Informa Markets & WPO Webinar 5: How COVID-19 is impacting Global Supply Chains

WHEN: **21 October**

WHERE: Via Zoom

NOVEMBER 2020

Australasian Waste & Recycling Expo 2020: NEW DATES

AUSTRALASIAN
Waste &
Recycling Expo



WHEN: **25 to 26 November**

WHERE: ICC Sydney, Darling Harbour

WHAT: Australians are looking towards the waste and recycling industry to drive positive change. As the premier business event for the waste, recycling and resource recovery sector, the Australasian Waste & Recycling Expo (AWRE) is where the best come together to join forces for a world of solutions towards a cleaner, more sustainable future.

February & March 2021

Interpack: NEW DATES

WHEN: **23 Feb to 3 March 2021**

WHERE: Dusseldorf, Germany

WHAT: Internationally the most important event in the packaging sector and the related process industry, interpack will be held at the Düsseldorf Exhibition Centre. Both exhibitors and visitors can look forward not only to an entirely new Hall 1 and a new Entrance Süd but they can also benefit from an overall clearer hall structure with even more sharply focused segments. This means even shorter distances thereby making for more efficient trade fair visits.



Interpack's unique selling point is its distinctive solutions package and coverage of entire value chains. This includes processes and machinery for the packaging and processing of packaged goods plus packaging media and materials and the manufacturing of packaging aids as well as services for the packaging business.

The last edition of interpack attracted 2,866 exhibitors and 170,899 visitors from 168 countries and thanks to busy orders from three-quarters of the decision-makers among them made for significant impulses in the sector.

April 2021

Drupa: NEW DATES

WHEN: **20 to 30 April 2021**

WHERE: Dusseldorf, Germany

WHAT: There is no other industry event that has such great international appeal as the leading trade fair for printing technologies. More than half of its visitors come to drupa with specific investment projects.



drupa provides crucial impulses for print, media, packaging production, and industrial applications – especially in the vertical markets as well. The world's leading trade fair for printing technologies offers outstanding networking opportunities and potential for excellent business dealings. This is where innovations are brought into the market, new business models are developed, and new partnerships are formed.

drupa is an international magnet for visitor target groups from a wide variety of industries. In addition to the printing and packaging industry, there are also groups from vertical markets such as consumer goods, luxury goods, cosmetics, bank and safety technology, and many more. More than half of its visitors come to drupa with specific investment projects. **AIP Members to receive discounted visitor tickets.**

July 2021

Foodpro: NEW DATES

WHEN: **25 to 28 July 2021**

WHERE: Sydney Showground, Sydney Olympic Park

WHAT: Foodpro is Australia's leading food manufacturing event, showcasing design innovations, new technology and the latest in processing and packaging solutions. Whether it's through exhibiting at the triennial event, or taking advantage of the digital opportunities available, foodpro brings the food industry expertise to one place.



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PKN Packaging News is Australia's definitive packaging industry news source, providing in-depth coverage of industry and technology developments relevant to the entire packaging supply chain, including packaging end-users. *PKN* delivers engaging content on packaging design, sustainability, materials, machinery and market sectors to a diverse audience of industry decision makers.

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Sergio Palacio Dip.Pkg.Tech. MAIP, Automation Project Engineer, HMPS is the AIP's latest Diploma in Packaging Technology graduate and the AIP asked him what he has learnt during his studies...

Q1: What is your current role? What are your areas of responsibility?

Sergio: *My current role is Automation Project Engineer for the Asia-Pacific region. My areas of responsibilities are project managing, client liaison, plant layout and electrical design; components selection and purchasing; and programming and commissioning of secondary packaging machinery. This includes Bag-in-Boxes, Wraparound and RSC case packers; Robot Cells and Palletisers.*

Q2: What does graduating from the Diploma in Packaging Technology mean to you?

Sergio: *Graduating means the opportunity to learn more about the industry I am working in and hope to stay in for a long time.*

Q3: How will you apply this knowledge moving forward?

Sergio: *My aim is to incorporate this body of knowledge into the design of secondary machinery, in order to make them more reliable, efficient and affordable. I have found that sometimes there is a disconnect between product packaging design and the machinery that is designed to pack those products. Great effort is put into making packaging fulfil the packaging functions without enough thought put into how the packaging will perform throughout the production line. I hope that now that I have graduated from the Diploma in Packaging Technology, I can have a greater influence in the design of the packaging for the products our machines are meant to pack.*

Q4: Do you have any advice on why other people should complete the Diploma in Packaging Technology?

Sergio: *Undertaking the Diploma allows great insight into the packaging world. For someone that comes for Mechatronic Engineering, it laid down the foundations of packaging for me. I strongly recommend anyone involved in the industry to consider doing the Diploma in Packaging Technology as it will contribute significantly to the understanding of all the key elements of packaging technology.*

Q5: So where to from here for your career?

Sergio: *That is a very good question. Ask me again after the pandemic and I might have a better idea! The Diploma in Packaging Technology introduced me to a new world that I am still exploring and finding my way around. I do know that I want to continue improving and growing in the automation side of the packaging industry.*

Q6: Will you consider applying to become a Certified Packaging Professional in Training as your next professional development stage?

Sergio: *Yes, absolutely. I will like to continue my training towards becoming a CPP.*



Mark Emmett, MAIP, Executive Chairman, HMPS added that 'HMPS are delighted with Sergio's recent graduation from a Diploma in Packaging Technology, we look forward to seeing the application of his learnings to improve his understanding of our customers core drivers when overseeing his future projects.'

The Diploma in Packaging Technology is a PIABC accredited Level 5 qualification which is internationally recognised for those wishing to pursue a career in the packaging industry or for those who are already in the industry and who wish to extend their knowledge and expertise. It has been offered by the AIP continuously for forty years and has an exemplary record of successful students. The Diploma in Packaging Technology prepares students to take responsibility for packaging operations at any level through the supply chain. The qualification is comprehensive, and provides an opportunity to study the principles of packaging, packaging materials and packaging processes.

Is Australia on track to halve food waste by 2030?

FIAL funds \$400k feasibility study, taking a key step towards reducing Australia's food waste.

Each year, over five million tonnes of food in Australia ends up in landfill, enough to fill 9,000 Olympic-sized swimming pools.^[1]

In 2017, the Australian Government committed to halve this level of food waste by the year 2030. Today, a key destination in that journey has been reached.

As an independent organisation supporting the implementation of this national commitment, Food Innovation Australia Limited (FIAL) has now commenced its \$400k National Food Waste Strategy Feasibility Study (Feasibility Study).

Bringing together an international consortium of individuals and organisations with globally recognised expertise, FIAL's Feasibility Study will test whether this commitment to halve Australia's food waste by 2030 is indeed possible and what actions will increase the likelihood of achieving this target.

Australia's largest dedicated sustainability consultancy, Edge Environment, has been appointed by FIAL as the lead consultancy alongside WRAP, 3Keel and Lifecycles.

"FIAL has a demonstrated track record in building collaborations across sectors, supply chains and industry groups to tackle food waste. Edge Environment is thrilled to be a part of the consortium that will see the full suite of required skills, and market-specific expertise to address these challenging feasibility questions," said Max Van Bien, Head of Strategy at Edge Environment.

The Feasibility Study will fill significant data gaps; increase understanding around the environmental impacts of food waste in production, consumption and waste management; identify food waste 'hotspots' across the value chain and the solutions for their reduction; develop a number of scenarios under which the target could be achieved and the costed delivery trajectories of these; and make recommendations on which delivery trajectories and initiatives will most likely see the target achieved.

"Commencing the National Food Waste Strategy Feasibility Study is a positive step towards Australia's goal of halving the amount of food either lost or wasted across the food value chain by 2030 – this is undoubtedly an ambitious goal and how to achieve this needs to be adequately understood," said Dr Mirjana Prica, FIAL Managing Director.

The Feasibility Study was identified in FIAL's *Roadmap for Reducing Australia's Food Waste by Half by 2030*, released earlier this year, as a crucial first step in reducing Australia's food waste.

Over the past two years, FIAL has been working closely with multiple stakeholders to identify the steps required to make the food waste reduction target a reality.

These stakeholders include food rescue and relief organisations, agri-food industry peak bodies, the Fight Food Waste CRC, the National Food Waste Strategy Steering Committee, the States and Territory Government Reference Group, and various national and international food waste experts.

[1] <https://www.environment.gov.au/protection/waste-resource-recovery/national-waste-reports/national-waste-report-2013/organic-waste>



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AUSTRALIAN INSTITUTE OF PACKAGING



NAME: Sheahan Perera AAIP
POSITION: Account Manager
COMPANY: Oji Fibre Solutions

1. Why did you join the AIP? What benefits do you believe the AIP offers all their members?

Sheahan: *I joined the AIP to gain access to a broader knowledge about packaging and to enhance my professional networking within the packaging industry. The services that AIP provides are vital for the packaging industry. By being a part of the AIP it helps you to know what's new within the packaging world and to learn more about packaging through some of the fantastic courses on offer. As AIP Members we have access to important webinars, events, networking, training that is available.*

2. How long have you been in the industry? What are your areas of expertise?

Sheahan: *My professional career in packaging commenced in 2001 as a Sales Executive at Nisol Corrugated Cartons Ltd in Sri Lanka. Since then I have been in various sales and marketing roles within the packaging industry for almost 15+ years.*

Within this time I have worked for the Corrugated industry, Metal Can industry and Litho Printing industry which has given me the opportunity to learn about different kinds of packaging products. However my core strength is selling Corrugated Carton solutions for different types of needs.

3. What is your current job role and what are your responsibilities?

Sheahan: *I work as an Account Manager for Oji Fibre Solutions. Some of my responsibilities are:*

- *Managing an existing customer base.*
- *New business development. Improving product efficiencies.*
- *Providing tailor made solutions to overcome specific supply-chain obstacles.*
- *Involved in New product developments.*
- *Making sure solutions are provided to meet maximum sustainability.*
- *Involved in managing tender submissions.*

RetailW³⁶⁰rld

The graphic features a central '360' in a red circle, surrounded by various icons representing different aspects of the packaging industry: RETAILERS, COMMUNICATIONS, SUSTAINABILITY, PEOPLE, TECHNOLOGY, PACKAGING, LOGISTICS & WAREHOUSING, SECURITY, MARKETING, INNOVATION, AUTOMATION, PRODUCTIVITY, and MANUFACTURING.

PIDA winners recognised in 2020 FIAL Australian Food & Agribusiness Innovations Book

Food Innovation Australia Ltd (FIAL) has recognised 40 businesses from across the Australian food, beverage, packaging and agribusiness sectors in the fifth edition of its innovation book.

Each year the Australian Institute of Packaging (AIP) collaborates with FIAL to develop the book, nominating Australasian Packaging Innovation & Design (PIDA) Award winners. For the 2020 edition 7x PIDA winners have been recognised in the 40 businesses and include: Flavour Creations, Plantic Technologies, Detpak, Impact International, Metalprint, SPC and Stay Tray.

This latest edition highlights the incredible work Australia's food clusters are doing to support the industry to innovate, particularly in light of the COVID-19 pandemic and the importance of the food industry to the country.

View product and packaging innovations from over 40 Australian businesses and learn more about some of Australia's most successful food clusters. Celebrating Australian Food and Agribusiness Innovations.

The PIDA Award winners are on pages 43 to 52 in the Innovation Book.



https://issuu.com/westwick-farrowmedia/docs/fial_innovations_2020



Maria Becerril Roman: Innovative food solutions need the perfect package

Maria Becerril Roman (Mexico) was drawn to the Master of Food and Packaging Innovation by her curiosity about food and drive to improve the health and sustainability of our food systems.

“You can have a great food product, but if you don’t get the packaging right it won’t sell or it won’t have a long shelf life and will be wasted, so packaging is an important component in the value of food,” she says.

Maria Becerril Roman says the Master of Food and Packaging Innovation combined industry engagement, academia, management, marketing, engineering and other disciplines.

“I was really surprised to see there was a degree that combines both food production and packaging technologies, and it seemed like a great option, offered only at the University of Melbourne.”

The Master of Food and Packaging Innovation combines food science, packaging processes and design, consumer behaviour, innovation and value creation with an industry internship or research.

It was created in collaboration with major food and packaging manufacturers, and core packaging subjects alone have around 20 guest lectures by industry experts including members of the Australian Institute of Packaging (AIP), the peak professional body for packaging education and training.

Smart packaging design keeps food safe to eat for longer, protects it from damage, uses materials with minimal environmental impact and engages consumers by telling the story and provenance of the food.

Maria says there are many opportunities to appeal to consumers' ethics with sustainable packaging.

“For example, there is an egg carton by an award winning designer that is made from paper pulp, flour and starch and contains legume seeds that grow if the packaging is planted rather than discarded,” she says.

Maria presents on biodegradable packaging made from avocado seed waste in a Value Chain Analysis class in 2019.

“This not only benefits the soil, but increases consumer engagement and awareness about the importance of sustainable packaging alternatives to landfill.

“Those ingredients are biodegradable aside from the seeds, so you can plant it after use to grow new plants which as legumes,

fertilise the soil. It’s a two-pronged approach to sustainability, because even if the product is sent to landfill or discarded thoughtlessly, it can have environmental benefits.”

The Master of Food and Packaging Innovation provides opportunities to both apply a creative and critical approach to issues like these, and gain experience in the food and packaging industries.

Maria completed a food quality and safety management internship with yoghurt and dairy manufacturer PZ Cussons and says the opportunities she had to learn from guest lecturers from the Australian Institute of Packaging (AIP) and networking with people in the industry have been highlights of the course.

“Most of the masters degrees I found in food were oriented towards academic research, but I knew I wanted to work in research and development for industry,” she says.

“I knew the science, but I didn’t know how to sell it or transform it into something people would like to pay for. This degree combined everything – it combined industry, academia, management, marketing, engineering and other disciplines. It was so useful and relevant for what I wanted to do.”

She also gained leadership, marketing and events management experience during the Master of Food and Packaging Innovation as executive secretary for the Graduate Agriculture and Food Society.

“Managing events, networking and funding requires a different skillset to academia,” Maria says.

“I managed memberships, contributed to bringing more students to the club and keeping them engaged. I also networked at faculty events to get contact details of people in the industry and would bring them as guests to speak to other graduate students to grow their networks and their knowledge of the industry outside classes.”

Maria is interested in integrating the food system with public health, social responsibility and environment in her career.

“I know I want to pursue sustainable initiatives into either the food or packaging industries, and I am open to different kinds of opportunities in the supply chain, regulatory affairs, quality assurance, or research and development,” she says.

“Food is fascinating and full of opportunities, even during pandemics.”

The Master of Food and Packaging Innovation is an inter-disciplinary degree that explores food processing, entrepreneurship and innovation in product and packaging design at an advanced level. The Master course is a joint initiative between the University of Melbourne and the AIP. <http://aipack.com.au/education/master-of-food-and-packaging-innovation/>



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This year has unfortunately been characterised by a significant increase in the use of protective clothing such as facemasks, disposable garments and gloves.

PPE used to be the domain of businesses such as food manufacturers, but now most organisations have stocks of these single-use items on hand for staff and visitors alike.

In fact across the world we are now using 129 billion face masks and 65 billion plastic gloves every month, according to some estimates.

The WWF said that if even only 1% of the masks were disposed of incorrectly, this would result in 10 million masks per month dispersed in the environment. Considering that the weight of each mask is about 4 grams this would result in more than 40 thousand kilograms of plastic in nature.

Unfortunately this appears this is the case. Images of masks washing up on beaches and affecting wildlife are becoming more common.

TerraCycle is keen to do its bit to keep the planet healthy during this time, and ensure that PPE waste stays out of landfill.

Zero Waste Boxes offer an eco-friendly solution to dispose of more than 100 products such as gloves, disposable garments, hairnets, face masks and earplugs.

You simply purchase the box online, then send it back when full (the price includes delivery and return postage).

General Manager for TerraCycle Australia & NZ, Jean Bailliard, said at this time where people are using more disposable items than usual, it is especially important to remember to recycle.

“Our Zero Waste Boxes have always been popular with small businesses, however with the increasing use of PPE, we’re keen to ensure recycling remains a top priority during COVID-19.

“In fact, this could be a great time to revisit your business’s recycling processes to ensure we are not faced with a huge waste problem when life returns to normal,” he said.

More information on TerraCycle’s PPE Zero Waste Boxes can be found at <https://zerowasteboxes.terracecycle.com.au/collections/personal-protective-equipment> or contact ulani.parsons@terracecycle.com.

Please note biomedical, infectious or pathogenic waste is not accepted in Zero Waste Boxes.



Awards & Degrees starting to arrive



Alan Adams MAIP, Sealed Air and the WorldStar Special Award

Gold WorldStar Packaging Special Award

Sealed Air and Hazeldene’s Chicken Farm have just received the long-awaited WorldStar Packaging Special Award trophy that was shipped to Australia after the WorldStar Awards were cancelled.

Hazeldene’s Chicken Farm & Sealed Air took out the coveted Gold Special Award for the Packaging that Saves Food category globally for Cryovac Darfresh on Tray vacuum skin technology that has been engineered to address food safety, 25% extension of shelf life over the previously used Modified Atmosphere Packaging (MAP) format, improved on-pack communication.



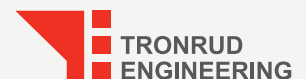
LATEST DIPLOMA GRADUATE RECEIVES CERTIFICATE

Filicia Linarta Dip.Pkg.Tech. MAIP, Research and Development Scientist, General Mills, recently graduated from the Diploma in Packaging Technology.

The AIP is pleased to advise that Filicia’s certificate has now arrived in Australia!

<http://aipack.com.au/new-graduates-from-the-diploma-in-packaging-technology/>

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Joanne HOWARTH

PLANET PROTECTOR PACKAGING, SYDNEY AND AUCKLAND

South Sydney-born MBA graduate Joanne Howarth already had a thriving seafood business when an epiphany about the polystyrene boxes they used inspired her to develop a genius biodegradable alternative. Now, the 50-year-old diverts the equivalent of 44 Olympic-sized swimming pools of the compressed plastic from landfill each year.

"It all started through my business, Fishermen's Wharf Seafoods, in Nelson Bay in NSW. The trawlers unload directly into our market—our takeaway shop has won best fish and chips in NSW many times. In 2014, I started supplying Australia's leading subscription meal kit company with fresh fish, and soon after we won the contract to pack and distribute all of their home-delivered boxes nationwide. It was a huge operation with 170 staff moving many thousands of boxes a week, all made of polystyrene, a plastic that's been the go-to for keeping things hot or cool since the '30s, but ends up as landfill or in our oceans as toxic microplastics. I felt like I was single-handedly destroying the planet, so I started to look for a sustainable alternative. Eventually, I found a product made from wool developed by a packaging engineer 10 years ago in the UK, but Australia's extreme weather meant we had to completely reformulate it. I had no idea

about natural fibres and it was a very steep learning curve. I also assumed we'd have no issue with supply here in Australia, but the product works best with coarse reject wool from the sheep's underbelly. Our local merino wool was too high in quality and expensive for our purposes.

"Eventually, we created a biodegradable solution that really worked. The meal kit company, which at that stage supplied 35,000 households a week, came on board as our foundation customer. In 2018, we took out four categories in the WorldStar Packaging Awards. Today, we employ 25 people in Australia, 20 in New Zealand and supply many businesses, including DHL and Blackmores. Initially, it was less expensive to keep using polystyrene, but as we've scaled up, our price is on a par with it. Now we have to educate people that the product is reliable. If you're transporting a \$6,000 chemotherapy drug, you want to know its temperature stays constant during transit.

"You need lots of tenacity to be an entrepreneur or pioneer—when you get knocked down, you have to get up and try again. There's unconscious bias underpinning women entrepreneurs, so it's wonderful Cartier has the vision and commitment to promote gender equality. I am so inspired by the other finalists I've met online, all doing remarkable things around the world.

"Two years ago I was faced with a very serious health challenge and people said to me, 'Give up work, stay at home and rest.' While I value my health, it's my passion for what we're doing that drives me. There's not a day I come to work and don't love what I do. It's my dream to get rid of polystyrene entirely. If we do nothing, by 2050 there will be more plastic in the ocean than fish. I'm committed to leaving the planet a better place than I found it."

Planetprotectorpackaging.com



Smallgoods, ready meals packaging designs take centre stage

Author | Nerida Kelton MAIP, Executive Director, Australian Institute of Packaging (AIP)

With the world of packaging design constantly evolving it was encouraging to see packaging technologists and designers being recognised for remarkable innovations at the 2020 Australasian Packaging Innovation & Design of the Year Awards.

Taking centre stage at the Australasian Packaging and Innovation & Design of the Year Awards were unique smallgoods, ready meals, lobster and fresh produce packs that incorporate innovative circular design elements with functional and intuitive design. The Packaging Innovation Design of the Year Award – Food Category has been established to recognise

organisations that have designed innovative packaging and/or materials, within food packaging and processing including fresh, frozen or other. All entries were also judged on sustainable packaging design considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets.

Planet Protector Packaging was awarded the Gold Award for

the innovative **Lobster Protector**. The uniquely designed Lobster Protector packaging is a flat-packed, recyclable, biodegradable, renewable and compostable solution made from 100 per cent food safe materials.

This is the first time this has ever been achieved in the seafood industry. The packaging design consists of three key components – that being a wool liner, a fibreboard

insert and a corrugated carton with a unique coating to make the carton water resistant. The Lobster Protector is 100 per cent certified food safe and is 100 per cent recyclable and biodegradable, with the critical wool liner compostable (even home compostable). There are no plastic components in this solution.

Disruptive Packaging was awarded a Silver Award for **Uniqcor** for cold chain environments. The key challenge with transporting fruits, vegetables and seafood in cold chain is to maintain structural integrity in the box so that the produce does not get damaged. Uniqcor has been designed with advanced structural strength, which allows the packs to be reused up to seven times and are 100 per cent waterproof.

The Uniqcor is an environmentally friendly range of food packaging containers that are offered as an alternative to conventional cold chain packaging made from waxed cardboard or Polystyrene. A stand-out feature is the magazine-level print quality of the packaging, which allows customers to use the same packs all the way to the end user.

Platypus Print Packaging was also awarded a Silver Award for the Youfoodz Meal Kit, which takes the form of a small suitcase-style product, with one of the pieces having a dual purpose converting into a recipe tent card. The packaging has multiple ingredients combined into one kit to be able to prepare a home cooked meal easily. The packaging houses a product, which by design, eliminates food waste.



The Lobster Protector is recyclable, compostable, biodegradable and renewable.



The exact portion of ingredients is provided to the consumer in the kit-style package. The packaging substrate is made from softwood fibres, suitable for refrigeration. As such the consumer can keep the ingredient together in the kit until ready for use. This reduces the likelihood of waste and improves shelf life. The two-piece design reduces the amount of pre-consumer waste and the packaging is 100 per cent recyclable through kerbside collection.

Primo Foods was awarded a Special Commendation for the Red Range Slice Pack. Primo replaced the packaging of its Red Range Slice Pack products with a smaller and universally sized, shelf-ready carton made from 100 per cent recycled cardboard. Previously the Red Range products were displayed on shelf via a plastic tray, which allowed the packs to stand up.

These packs, on the plastic display tray, were packed inside larger cartons at different sizes and with varying percentage of virgin kraft board. Removing the plastic display trays was the pinnacle of this improvement.

By removing the trays, the carton was able to be designed smaller, which in turn allow for carton size standardisation and for better pallet utilisation. This change saw the reduction of plastic by 99 tonnes due to removal of trays and the reduction of carton weight by 171 tonnes due to using a smaller size carton across the

range. Because the new cartons were smaller, more cartons were able to be stacked onto a pallet.

This in turns allowed for a reduction in the number of pallets that needed to be handled through the supply chain every year. The new cartons are made from 100 per cent

recycled cardboard.

The recurring theme across all packs is that the packaging technologists and designers considered functionality, intuitive and accessible design features, fit-for-purpose principles and actively moved towards more sustainable

packaging with improved on-pack communication for consumers. Now eligible for the prestigious WorldStar Packaging Awards we can't wait to see these companies receive global recognition for their unique, innovative and sustainable packaging designs. **F**



Disruptive Packaging's Uniqcor is designed for cold chain environments.



Platypus Print Packaging received a Silver Award for Youfoodz Meal Kit.

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