AIP NEWS
JUNE 2020

WPO WORLD PACKAGING ORGANISATION
APF The Asian Packaging Federation
initiative SAVE FOOD Solutions for a world aware of its resources
AUSTRALIAN FOOD WASTE
FRIENDS OF CHAMPIONS 12.3
EIGHT FOOD WASTE CO2
AIP AUSTRALIAN INSTITUTE OF PACKAGING

Are you using or looking for Food Grade rPET to use in your packaging or products?

The Australian Institute of Packaging (AIP) are seeking the packaging industries assistance to compile a list of Australian manufacturers who are currently using Food Grade PET in their packaging and would like to identify a reliable source of Food Grade rPET.

The latest APCO data indicates in 2017-18, PET achieved a 'recycled content rate' of 12%. This is the highest rate amongst the polymers with PET being the fourth most widely used packaging plastic with 132,000 tonnes placed on the Australian market. The new 2025 target announced in March for the 'average recycled content target' for PET is 30%. This mean Australia is going to need to generate a significant quantity of rPET and in particular Food Grade rPET.

To assist the AIP in understanding the quantity of Food Grade rPET needed, we would appreciate if you could email Nerida Kelton, Executive Director, AIP in the strictest of confidence (nerida@aipack.com.au) your estimated annual tonnes of Food Grade PET, an indication of expected annual tonnes of rPET you would like to purchase and the year you would like to have it available. Recognising there is currently a price differential between virgin PET and rPET, please estimate you Food Grade rPET volumes based on parity pricing. This information will greatly help the AIP to work with local companies who can potentially support your future needs.

NEW MEMBER

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

NAME	STATE	GRADE
Raycee Blen Aguirre	O'Seas	Associate
Tatjana Ferguson	NSW	Associate
Mark Kelton	QLD	Honorary Member

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LinkedIn

Up-Coming Virtual Training Courses & Webinars

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

AUSTRALIAN INSTITUTE OF PACKAGING

June 2020

Webinar - Soft Plastics - The Challenges And Opportunities (APCO)

WHEN: 10 June
WHERE: Webinar
WHAT: Soft Plastics - the challenges and opportunities

AIP Flexible Packaging: Now & Into The Future On-Line Training Course

WHEN: 16 June
WHERE: On-Line via Zoom
WHAT: One of the fastest growing segments of the packaging industry, flexible packaging combines the best qualities of plastic, film, paper and aluminium foil to deliver a broad range of protective properties while employing a minimum of material. Typically taking the shape of a bag, pouch, liner, or overwrap, flexible packaging is defined as any package or any part of a package whose shape can be readily changed. Leading the way in packaging innovation, flexible packaging adds value and marketability to food and non-food products alike. From ensuring food safety and extending shelf life, to providing even heating, barrier protection, ease of use, resealability and superb printability, the industry continues to advance at an unprecedented rate.

The life cycle attributes of flexible packaging demonstrate many sustainable advantages. Innovation and technology have enabled flexible packaging manufacturers to use fewer natural resources in the creation of their packaging, and improvements in production processes have reduced water and energy consumption, greenhouse gas emissions and volatile organic compounds.

TRAINER:

Joe Foster FAIP
Managing Director
OF Packaging

* = 12.5 CPP PTS

Webinar - Setting Science-Based Targets (APCO)

WHEN: 17 June
WHERE: Webinar
WHAT: Setting Science-Based Targets

Webinar - Priority Projects (APCO)

WHEN: 24 June
WHERE: Webinar
WHAT: Priority Projects

Webinar - Packaging: Hero Or Villain In A Circular Economy?

WHEN: 23 June
WHERE: On-Line
WHAT: Circular Economy doesn't automatically mean reducing packaging. When used correctly, good packaging design can be a part of the solution. An environmentally sound option for some products, life cycle and circular economy thinking allow for better design and decision-making to make packaging a truly sustainable sector.

Helen Lewis, a Fellow of the AIP and Barbara Nebel, CEO of thinkstep-anz will discuss tools to assess best circular practice for products and materials share circular economy case studies in a 30 minutes 'Straight from the Horse's Mouth' webinar.

Join in to hear about:
- Tools to assess best circular practice for products and materials: Cradle to Cradle™ certification, LCA
- Approaches to avoid shifting burdens from across the life-cycle of a product
- Case studies

SPEAKERS:

* = 1 CPP PT

Dr Helen Lewis FAIP
Principal
Helen Lewis Research
Helen runs her own consulting business, providing research and strategic advice to a range of industry and government clients on product stewardship and packaging. She has a PhD in product stewardship and is a Fellow of the Australian Institute of Packaging. She is the author of Product stewardship in action (2016) and is a co-author of Packaging for sustainability (2012) and Design + Environment (2001).

Barbara Nebel
CEO
thinkstep-anz
Barbara's passion is to enable organisations to succeed sustainably. She often describes her job as a translator, translating sustainability into traditional business language. Together with her team, she delivers a full range of sustainability services from strategy and materiality assessments through to detailed Life Cycle Assessments and Cradle to Cradle® projects. Barbara has worked with organisations in New Zealand, Australia, Asia and Europe, effectively linking sustainability with business value.

AUSTRALIAN INSTITUTE OF PACKAGING

Up-Coming Virtual Training Courses & Webinars

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July 2020

AIP Introduction to Sustainable Packaging Design On-Line Training Course

WHEN: 7 July
WHERE: On-Line via Zoom
WHAT: How do you work your way through the maze of demands to change packaging to meet environmental challenges?

This Training Course is designed to assist anyone who is responsible in their business to make packaging changes to meet 'War on Waste' questions, changes to retailer and consumer trends and behaviours; while not spending any more money at the end.

The Training Course will provide attendees a better understanding of the practical guidelines and criteria needed to design and develop sustainable packaging including the Sustainability Hierarchy of Reduce, Reuse then Recycle and the Circular Economy approach to packaging and the environment.

Discussions will also cover Plastic, Glass and Metal packaging and their impact on the environment and whether the use of non-renewable resources, plant based bioplastics, compostable and recycled materials and various tools can assist their business to understand the full life of packaging. This will involve the impact of 'Food or Product Waste'.

TRAINER:

* = 12.5 CPP PTS

Ralph Moyle FAIP, CPP
Education Coordinator
Australian Institute of Packaging

AIP Future Of Sustainable Labelling On-Line Training Course - Updated Course

WHEN: 21 July
WHERE: On-Line via Zoom
WHAT: How do you select the right type of label to suit the package to carry the product branding from the filling and labelling line, right through to the consumer, and then enable the package to be effectively recycled?

Self-adhesive labelling has evolved as the most widely used method of product decoration, being innovative and versatile for such a wide variety of packages.

However, selecting the wrong label can cause major issues downstream when the package is sorted at a material recovery facility.

This Training Course is designed to give a comprehensive guide to labelling and how to navigate through the myriad of options available for each style of packaging, whilst keeping package recyclability at the forefront.

TRAINER:

* = 12.5 CPP PTS

Dr Carol Kilcullen-Lawrence PhD, FAIP, CPP
Sustainability Consultant
UPM Raflatac

Up-Coming Virtual Training Courses & Webinars

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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.

This course is intended to extend those attending to new levels of understanding the complex world of polymer science. Every attendee will learn new aspects of polymers, test themselves and their ability of remembering what they know. All those wanting to know more about the complex world of polymer science are welcome. The course will cover certain aspects of organic chemistry, revisit the raw materials, syntheses, and applications, only touching on the manufacturing and moulding aspects. It will ensure that those attending are reminded of the main classes of plastic materials as a function of the molecular properties of polymers used in the plastics industry.

TRAINER:

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

* = 12.5 CPP PTS

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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)

* = 12.5 CPP PTS

PROUD PARTNER OF THE AIP

APCO

Up-Coming Tradeshows: New Dates

Update your calendar for 2020 and 2021

September 2020

FOODTECH PACKTECH 2020

FOODTECH PACKTECH

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.

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.

November 2020

Australasian Waste & Recycling Expo 2020: New Dates

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.

AUSTRALASIAN Waste & Recycling Expo

Events

Up-Coming Tradeshows: New Dates

Update your calendar for 2020 and 2021

AIP AUSTRALIAN INSTITUTE OF PACKAGING

February & March 2021

Interpack: New Dates

interpack
PROCESSING & PACKAGING
25 FEB TO 3 MAR 2021
DÜSSELDORF
INTERPACK.COM

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

20 to 30 April 2021
Düsseldorf/
Germany
www.drupa.com
drupa
no. 1 for printing technologies

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: 25-28 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.

foodpro

LOOKING FOR SOME READING? THE AIP CAN HELP

1 PACKAGING FOR SUSTAINABILITY

The packaging industry is under pressure from regulators, customers and other stakeholders to improve packaging's sustainability by reducing its environmental and societal impacts. This is a considerable challenge because of the complex interactions between products and their packaging, and the many roles that packaging plays in the supply chain. Packaging for Sustainability is a concise and readable handbook for practitioners who are trying to implement sustainability strategies for packaging. Industry case studies are used throughout the book to illustrate possible applications and scenarios. Packaging for Sustainability draws on the expertise of researchers and industry practitioners to provide information on business benefits, environmental issues and priorities, environmental evaluation tools, design for environment, marketing strategies, and challenges for the future. Two of the authors, Dr Karli Verghese and Dr Helen Lewis are Fellows of the Australian Institute of Packaging (AIP).

2 TRANSPORT PACKAGING – THIRD EDITION

The Latest Edition of Transport Packaging has arrived and is now available through the AIP Bookstore. Transport Packaging, Third Edition, provides significant updates and new information from the Second Edition, published in 2004. It was reviewed and updated by packaging industry veteran Robert Meisner, CPP-Fellow, with contributions by subject matter experts-both individuals and organisations-around the transport packaging industry. The book has been revised throughout to reflect new and updated regulations and standards, and best practices, adding to previous editions compiled the late Alfred H. McKinlay, CPP.

3 BETTER PACKAGING BETTER WORLD

The Instituto de Embalagens in Brazil is pleased to announce the release of its 10th publication, Better Packaging Better World. The Book is divided into 6 sections including the Introduction to the Packaging Universe, Packaging Materials, Packaging Types, Packaging Processes, Packaging Machinery and Sustainability and is full of illustrations and case study examples. The book was organised by a multidisciplinary team designed to build a complete and organised work. Each chapter was written by invited authors that are specialised in each field and are respected in the Brazilian and world market.

4 FUNDAMENTALS OF PACKAGING TECHNOLOGY, FIFTH EDITION

Over 748 pages, Fundamentals of Packaging Technology, Fifth Edition gives you the most authorative, current and comprehensive information available on all the major areas of packaging! Clear and concise, with easy-to-understand explanations from IoPP technical committee members and experts at the industry's leading packaging associations. The FPT textbook is required to undertake the CPP examination.

5 OWNING IT: A CREATIVE'S GUIDE TO COPYRIGHT, CONTRACTS AND THE LAW

Owning It: A Creative's Guide to Copyright, Contracts and the Law is a 560-page full-colour hard cover book written by renowned Melbourne intellectual property lawyer Sharon Givoni. The book aims to demystify copyright, contracts and intellectual property law for Australians working in creative industries and running their own businesses. Comprising expert insight and explanation of intellectual property law in 'plain English', Owning It drives home key legal concepts through enlightening and entertaining real-life case studies. The book also contains user-friendly flowcharts and tables that simplify legal terms, processes and procedures that creatives regularly encounter. The book aims to point Australians in the creative sector in the right direction regarding: the protection of their designs, trade marks, copyright, reputation, confidential information and other intellectual property (IP); how to reduce the risk of inadvertently infringing someone else's rights; contract basics; licensing; how the law applies online and to certain aspects of social media; how to better achieve positive legal outcomes and much more.

6 GLOSSARY OF PACKAGING TERMINOLOGY

The Second Edition of the Illustrated Glossary of Packaging Terminology by Walter Soroka CPP is a comprehensive guide to packaging terminology. More than 4,500 definitions cover the scope of packaging terms with more than 250 illustrations so readers can easily understand packaging concepts. The Illustrated Glossary of Packaging Terminology is a glossary of the packaging community's language that helps you communicate effectively with other packaging professionals. This book brings together all the disparate terms of packaging into one concise, focused edition.

7 PRODUCT STEWARDSHIP IN ACTION

The AIP is pleased to advise that Dr Helen Lewis, who is a Fellow of the Institute, has written a new book Product Stewardship in Action: The Business Case for Lifecycle. Product Stewardship in Action describes how and why leading companies are taking responsibility for the environmental impact of their products and packaging. Product stewardship, often referred to as 'extended producer responsibility' or EPR, is the idea that everyone that benefits commercially from a product, including manufacturers, distributors and retailers, has a shared responsibility to minimise its environmental impacts. Written primarily for a business audience, it draws on the knowledge and experience of industry practitioners and other experts to provide a structured approach to product responsibility within firms. This will help those new to the field, as well as more experienced practitioners, to develop an effective response to stakeholder concerns about the environmental impacts of their products and packaging.

what's better than edible?

23 billion disposable cups are produced every year - just to be thrown away - the average usage is only 15 minutes and the vast majority are not recyclable due to lining.

Could edible be the sustainable solution?

- No coatings or lining
- Combine with tastes or flavours
- Withstands hot liquids up to 80C
- Stays crispy for up to 45 min

Above: Edible cup based on either short or hard dough (pictured).
Small batches (up to 300 cups/hr) suitable on Buhler E-Beagle moulding equipment.
Larger output (up to 8000 cups/hr) possible on a Buhler MTA-V moulding line.

We do more than simply provide the best equipment. We work with you to custom engineer the perfect processing and packaging solution that meets the unique needs of your business and provide ongoing support for the life cycle of your machinery. The perfect package.

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Hand sanitisers excluded from TGA regulation

The Therapeutic Goods Administration (TGA) has excluded certain hand sanitisers from regulatory requirements to help urgently meet the surge in demand during the pandemic. In Australia, hand sanitisers are regulated as cosmetics or therapeutic goods depending on their ingredients and claims. Unless excluded by the TGA, hand sanitisers will generally be considered therapeutic goods if they:

- claim to kill specific organisms; or
- are intended for use in clinics or hospitals.

What hand sanitisers are excluded?

From 28 March 2020, hand sanitisers do not need to be included in the Australian Register of Therapeutic Goods (ARTG) provided they meet the following requirements:

1. Permitted ingredients

Contain only the following ingredients and not any other ingredient:

- Ethanol 80% v/v (pharmacopoeial or food standard grade) or isopropyl alcohol 75% v/v (pharmacopoeial grade) in an aqueous solution;
- Sterile distilled water or boiled cold water;
- Glycerol 1.45% V/v (pharmacopoeial grade); and
- Hydrogen peroxide 0.125% V/v (pharmacopoeial grade).

2. Manufacturing

Comply with the following manufacturing requirements:

- Testing The Alcohol Concentration Of Each Batch;
- Manufacturing Under Sanitary Conditions Using Well Maintained And Fit For Purpose Equipment; And
- Keeping Adequate Manufacturing Records.

3. Packaging

Use only the prescribed label on packaging and advertising, with the option of including a company logo.

But wait…

While such hand sanitisers may be advertised and sold without TGA regulation, they are still consumer goods that must comply with the Australian Consumer Law.

Next steps

Businesses that intend to rely on the exclusion should take care to ensure the hand sanitisers they manufacture or import into Australia satisfy the above requirements. It is important to keep up to date with the regulatory landscape as the continued need for the exclusion may be reassessed once the supply issues resolve.

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First Graduates of the Fundamentals of Packaging Technology Course

In today's challenging packaging environment, you can't afford to make mistakes or overlook the critical details that cost precious time and money.

You need the knowledge–from materials properties and selection to transport packaging issues–that can help you make better decisions regarding your company's packaging dollars–now.

The Fundamentals of Packaging Technology (FPT) on-line course is set up for the convenience of busy working professionals, and the training platform is functionally intuitive.

Now available exclusively via the AIP in Australasia we are pleased to advise that the first two graduates Daniela Stinger AAIP, Innovation Technologist, Sealord Group Ltd and Julie Ann Cuya MAIP, Packaging Specialist, Oleo-Fats Inc have provided their views on the course...

What made you decide to undertake the Fundamentals of Packaging Technology (FPT) Course?

Daniela: The contents of the FPT course seemed comprehensive and with the right technical level. The idea was to enhance my knowledge of packaging from a science and technology perspective to support my current role in R&D.

Julie: I had been researching for a detailed on-line course on basics of packaging for quite some time. I really wanted to broaden my knowledge on packaging technology so I thought I needed to do some studying, but it had to be flexible with my time at work. So when I came across the AIP and learned that they were offering the On-line FPT course, it was the perfect solution.

How long did the FPT Course take and was it flexible for your working hours?

Daniela: Less than a year and yes it was quite flexible. I could have completed it faster but several projects within my role took priority.

Julie: It took me 8 months to finish the whole course. Yes it was flexible since I was able to spend an hour or two to go through each module.

What modules and lesson bundles stood out as the most interesting?

Daniela: I found that the Polymers, flexible packaging, moulding and extrusion modules were all interesting. Also all the ones referring to plastics, as it was an area I was not that familiar with, but having a Food Engineering background helped me to understand the chemistry side of those modules. I did learn interesting facts with every module though.

Julie: Every module was interesting for me, especially those that I have not been working on in my current job or have an interest in, but was not just able to learn in detail before. To name some Market Research, Graphic Design, Colour Perception, Box Compression Strength Workshop, Filling System, Special Designs and Sustainable Packaging were also interesting modules.

Did you find the On-line FPT course easy to do?

Daniela: Yes.
Julie: Yes and fun, especially the spot checks.

Would you recommend this course to others?

Daniela: Absolutely, the knowledge I gained through completing the FPT course can be applied in a wide number of roles within many industries, not only food and beverage.

Julie: If other people want to have a learning foundation on packaging technology or simply have a refresher course but are not able to do so due to resource availability and/or accessibility, this course is a great tool.

How does it feel to be the first person in New Zealand to complete the full FPT course?

Daniela: I was a bit surprised.

How does it feel to be the first person in the Philippines to complete the full FPT course?

Julie: Surprised as I didn't know that I am the first person to complete the course from my country.

With 50 CPP points now attained towards your Certified Packaging Professional Designation (CPP) are you looking to pursue this next?

Daniela: Yes, that is the plan, when time allows.

Julie: Yes definitely.
Complete your training when your time allows, and at your own pace. Wherever you are, the course goes with you! Take the complete course and learn about all the major segments of packaging–and beyond. Or customise your training by selecting from 12 lesson bundles organised by topic, or from single lessons as short as 30 minutes. Fundamentals on-line spans 42 modules and 27 hours of content that is recognised for its quality by the World Packaging Organisation. The Fundamentals of Packaging Technology on-line course is ideal training to prepare for the Certified Packaging Professional (CPP) exam offered through the AIP. The FPT course is available exclusively in Australasia through the AIP.

New Graduates from the Diploma in Packaging Technology

The AIP talks to our latest Diploma in Packaging Technology graduates -Pratik Surana Dip.Pkg.Tech. MAIP, Quality and Packaging Technologist, Beerenberg Farm and Filicia Linarta Dip.Pkg.Tech. MAIP, Research and Development Scientist, General Mills about what they gained from the Degree.

Pratik Surana Dip.Pkg.Tech. MAIP
Quality and Packaging Technologist
Beerenberg Farm

Filicia Linarta Dip.Pkg.Tech. MAIP
Research and Development Scientist
General Mills

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

Pratik: My current role is Packaging/QA Technologist. My role is a mixed role between Technical and Packaging. I currently manage new packaging development, packaging support to production, commitment to APCO, packaging sustainability and I work with Operations Managers on packaging related capital projects. I also look after some quality programs like Approved Supplier, Training, Preventative Maintenance, Pest Control and general quality support. I also support the Technical Manager with HACCP, SQF and quality management systems.

Filicia: I am a Research and Development Scientist working at General Mills focusing in the Mexican brand. I am responsible for new product development and key cost savings initiative for both product and packaging within the Mexican portfolio in the Australia and New Zealand market.

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

Pratik: It means that I can work in the field of Packaging with the right knowledge and background. It means that I can better understand packaging and the role it plays in our business.

Filicia: Relieved. I took 4 exams in 2 sittings and spent another 2 months working on my thesis so I am definitely very happy to finally complete the Degree. I have a lot of experience in product R&D but I am pretty new in the packaging sector. With the Packaging Degree, I can gain more credibility when working on various packaging projects among my peers.

How will you apply this knowledge moving forward?

Pratik: From now on, every time I think about developing new packaging I will think about the most basic question. That is 'how will this packaging fulfil the functions of packaging?'. When I look at technical data sheet, its not just words and numbers. They actually mean something and I will understand what those numbers mean for the packaging, for operation, for our consumers and for our business. When I look at troubleshooting a packaging issue, I will refer back to my knowledge and think about all the packaging factors that could be contributing to the issue and work through them.

Filicia: Trying to apply what I have learnt during the Degree into practical experience in the factory floor for problem solving and troubleshooting.

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

Pratik: Anyone who is intrigued by packaging and finds the field of packaging fascinating, I commend this Diploma to them. It is an eye opening experience to learn how packaging works and how it can fulfil its functions. It is not all just about making packaging look beautiful and attractive. It's also about making the packaging functional and this Diploma helps you understand that as well.

Filicia: You will gain more credibility among your peers as packaging is very specific and niche. This Degree helps to get your foot in the door.

So where to from here for your career?

Pratik: At the moment, I will continue in my current role at Beerenberg. I will continue to apply my packaging knowledge, learn and grow.

Filicia: I am now looking after both product and packaging. On some projects I will do both aspects combining my skillset. This is definitely challenging and confusing at times as usually two separate people are doing the job. However this is where I now have my cutting edge among my peers. Moving forward, I am hopeful that I can broaden my career even more by doing more complicated packaging projects with substantial financial impact.

Celebrating 25 Years of Membership

The AIP would like to take this opportunity to congratulate Kailash Bajpai MAIP, CPP & Helen Walters MAIP, CPP on 25 Years of Membership to the Institute. The AIP asked Kailash & Helen some questions about their time in the industry...

Kailash Bajpai MAIP, CPP

Helen Walters Dip.Pkg.Tech. MAIP, CPP

How long have you been in the industry? What was your first role?
Kailash: I am approaching three decades in the industry; that is a long innings. My first role was as a Packaging Development Chemist for Dabur India Ltd.

Helen: In early 1989 after returning to work after the birth of my first child I was lucky enough to work part time with the company I had been employed with since 1980 as a Laboratory Analyst. It was a pharmaceutical company called The Boots Company Australia at North Rocks near Parramatta in NSW and a project they needed completed at that time was the identification, organisation and specification writing for their artwork and packaging files, which had never been attempted and as you can guess needed a lot of sorting and organising, which I loved doing. So this was my first introduction to the world of packaging and artwork.

What made you not only join the AIP, but also remain a Member for 25 years?
Kailash: I always believed you learn more by exchanging ideas and experiences from experts in the field. I not only learned about latest trends in Packaging Technology, but also made acquaintances which were and are still are mutually beneficial.

Helen: When we decided to move to the Gold Coast, Queensland in 1993, I was lucky enough to be employed by Herron Pharmaceuticals in Tennyson. Using my prior knowledge of packaging and specifications and chemical and microbial laboratory techniques I was employed in both roles simultaneously developing Herron's Stability Testing Program and artwork and packaging files, which included working closely with packaging suppliers. Knowing then that packaging and artwork was what I wanted to know more about, in 1995 I contacted the AIP to see if I could become a member and after answering the relevant questions was admitted. From this point onward, I was very proud and honoured to be a part of an industry which was constantly on the move with new innovation, ideas and importance.

I didn't realise that I had been a member for 25 years until recently when speaking with Mark Kelton at the AIP. I have remained a Member for 25 years because I am proud of this industry and the AIP and what they both mean to everyday people, society and the environment with exciting innovation and design as well as recycling, reusing and reducing of waste which has always been a huge focus for me. I also worked very hard at attaining my Diploma in Packaging Technology and am very proud of this achievement and without the Australian Institute of Packaging and my tutor Fellow Emeritus Professor Harry Lovell OAM this would have not been possible or even attempted.

You attained your Certified Packaging Professional (CPP) designation recently – how has this been useful to your career?
Kailash: Attaining the Certified Packaging Professional (CPP) Designation has given me reassurance and confidence that I am not deviating from Packaging Science fundamentals. For me that is very critical.

You undertook a Diploma in Packaging Technology during this time – how has this degree been useful to your career?
Helen: In 2002 after a few years at Herron my role changed to Packaging & Artwork Coordinator and then Packaging Technologist. I was asked to write and submit the Herron Pharmaceuticals National Packaging Covenant Action Plan, which I continued to submit and update the NPC Action Plans for Herron until I left them after 15 years in 2008. It was during this time that I saw an advert for the Diploma of Packaging Technology and asked my manager if I could undertake it. I had to convince him that the Diploma would not only be a benefit to me but also to the company, and so I started on the pathway to attaining my Diploma.

In 2008 after I received my Diploma in Packaging Technology I applied for a position with Goodman Fielder Home Ingredients as Packaging Technologist at their biscuit factory in Carole Park where I learnt so much about packaging, design, customer requirements, projects and machinery that this knowledge will stay with me forever. Sadly I was made redundant from this position in 2012. Although since then I have never been in the capacity of Packaging Technologist, I have still been closely involved in packaging, artwork and various projects for new introductions and changes in all of my positions since then. Gaining and maintaining relationships with packaging manufacturers, suppliers and customers has been an integral part of every role I have had.

What changes have you seen within the industry over the last 25 years?
Kailash: Some things have remained mostly the same, including companies forgetting or leaving packaging design and development to the last minute. Thankfully it happens less frequently these days. 3D printing and Digitalisation of packaging design have made life as a Packaging Technologist a little easier.

Helen: There are many I can think of but again, the focus on recycling, reusing and reducing of packaging waste is one that can never be lost or slackened. In the past 25 years the reduction of wall thickness and weight and the change from non recyclable plastics to recyclable plastics and still being able to protect the product has been amazing, but still has a long way to go. Currently the focus of many companies is to replace virgin PET, HDPE and other plastics with recycled PET. This to me is one of the best changes over the past 25 years with companies being more environmentally focused as well as looking at innovation, light weight options and recyclability. One thing I always check when I buy product packaged in plastic trays is to see if the mobius loop and recycle number is present. It pains me to say that there are still a lot of plastic trays out there which aren't identified and to me and I am sure many other consumers' means that they mustn't be recyclable. In this time of environmental concerns being in the forefront, I would have thought that the manufacturers of the plastic packaging would automatically add the mobius loop to their mould to ensure the customer and consumer are constantly educated in the life cycle of plastic.

I take my hat off to the major grocery stores now encouraging consumers to save and return soft plastic wraps and bags back to the stores and working with their partners to recycle this plastic into benches and other useful products as a way to reduce the land fill and environmental issues we have with plastics now.

The apparent slow introduction of user friendly packaging has been quite frustrating to me and although the developing innovation is available I feel the majority of industry does not want to venture into this area and I presume this is because of the cost of change to equipment and machinery. Although I can see there have been huge advances and innovation is being recognised in this area, I still do not believe they are being implemented quickly enough for the elderly or physically impaired. As Packaging Technologists we can only inform and educate our employers on the needs of consumers but it is them who need to want to introduce change. My Diploma dissertation written in 2007 was on this subject and is called:

"With the increase in the average age and infirmities of consumers in Western Europe and the USA, what steps can be taken to make packaging more 'user friendly'?

The wine industry continuing to move from cork to metal twist top bottle caps is another change and this industry is one I would love to be involved in one day with every aspect of a bottle of wine's packaging and design being one I would definitely enjoy to be part of.

If you could give a new person entering the industry any advice what would it be?
Kailash Packaging is ever-evolving and is very progressive in multi dimensions. It can provide fulfilling and rewarding opportunities.

Helen: My advice? Hmmm...This industry is hard to crack because many, many companies and industries do not understand or know the advantages people with our packaging knowledge, capability and experience can bring to their business. But don't give up and keep your momentum and enthusiasm for this industry and it will reward you. The packaging industry is continuously developing, changing, innovating and researching which is exciting in itself.

WPO Launches Packaging Trends Report

The World Packaging Organisation (WPO) recently launched a 'Packaging Trends Report' which is based on the entries and winners of WorldStar Packaging Award 2020.

Produced by Liliam Benzi, WPO Press & Communication Officer, the 'Packaging Trends Report' gives an overview of common trends that guidelined packaging projects all over the world in 2019 and that were submitted to WorldStar Packaging Awards.

The full report can be downloaded via the resources section on the WPO website www.worldpackaging.org

FUNDAMENTALS OF PACKAGING TECHNOLOGY

AUSTRALIAN INSTITUTE OF PACKAGING

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50 CPP POINTS

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42 MODULES

OWN TIME OWN PACE

The internationally recognised on-line Fundamentals of Packaging Technology (FPT) bite-sized modules are available exclusively through the AIP in Australasia. The FPT Course is set up for the convenience of busy working professionals, and the training platform is functionally intuitive. The beauty of the FPT course is that you only have to undertake lessons as you need to fill knowledge gaps so you can complete your training when your time allows, and at your own pace. Take the complete course and learn about all the major segments of packaging or customise your packaging training for your specific needs.

Wherever you are, the course goes with you.

Institute of PACKAGING PROFESSIONALS

Aeson Materials rebranded to RE-FORME

RE-FORME

The Australian Institute of Packaging (AIP) is pleased to announce that Silver Partner Aeson Materials has been re-named as Re-Forme.

At Re-forme, they specialise in planet-friendly products that box, bag, wrap, seal and serve food. Made from 65% clay, their packaging is 100% biodegradable, recyclable and reusable. In their production, they use non-toxic materials and only the most efficient technologies, zero waste and zero water in production procedure. They create products that leave no trail of destruction including less carbon footprint when they break down.

Re-forme products have excellent printability, excellent opacity, and good glueability. Food Safety is their priority and their products are approved for direct food contact and meet FDA food safety standard FDA 21 CFR177.1520, have passed heavy metal and BPA migration testing and EU 10/2011 Annex III and IV. Finally, their products will photodegrade in direct sunlight in two years and can be recycled back into its operation.

The mission at Re-forme is to improve landfill and reduce plastics packaging, provide products that are reusable and recyclable.

Re-forme never cease to innovate and look for more and more environmentally friendly solutions that ensure the safety, quality, integrity, functionality and safe use of their products. They welcome any collaboration and are able to customise products. info@re-forme.com.au or visit www.re-forme.com.au

Wellman Packaging 100% rPET on the shelves

Colgate-Palmolive has adopted Wellman Packaging's 100%rPET preforms for a range of household products now on shelf. This follows the packaging company's launch last year of a 90% recycled food grade rPE sauce bottle and 100%rPET preforms. PKN brings you the update.

Late last year PKN reported on developments in the innovation and sustainability program at Wellman Packaging when it released its 90% food grade recycled 'Squeezy' Sauce Bottle and then followed this up with the re-launch of its PET preforms using 100% recycled plastic content.

Since then, the first project commercialising the use of the recycled PET technology has been brought to market in collaboration with long term customer Colgate-Palmolive, which has Wellman's 100% rPET bottles on supermarket shelves in a range of products including Palmolive Dishwashing Liquid and Ajax Spray'nWipe.

Craig Wellman FAIP, CEO and owner, tells PKN: "Colgate and Wellman have both invested heavily over the last two years in the success of this initiative and it is wonderful to see it being realised in such great products like these. Colgate is a forward-thinking business and it is truly a pleasure to work with them here in Australia and abroad.

"*...this translates to a real commitment by a senior brand owner to push through the barriers and deliver an excellent long term outcome for the environment.*"

"However, making preforms and bottles at these high levels of rPET is not without its challenges technically and carries high costs versus virgin resin, so this translates to a real commitment by a senior brand owner to push through the barriers and deliver an excellent long term outcome for the environment."

The recycled PET is sourced from a number of Australian and international suppliers due to global shortages. Wellman commends the excellent work by Melbourne company, Martogg, which has aligned the future of its business with the manufacture of recycled plastics like rPET and continues to make large financial investments in new equipment to meet the challenge.

Wellman says, "Marcus Hogg and his family business have shown a true conviction to this shared vision and the investments they are making will most likely position them as the leading authority on recycled plastics in Australia in years to come."

Wellman also sees great potential here for a second tier of rPET that is not food grade that can be used in applications like homecare, especially where the final product is fully shrink-sleeved, allowing any cosmetic imperfections to be covered.

"A non-food grade rPET will reduce recovery and production costs allowing increased recycled plastic usage in products that don't need food approvals – releasing the highly sought after 'Coke-quality' rPET for food and beverage applications, especially those involving high speed blow-fill production lines – and together this will lead to an overall increase in the recovery rate for PET from the waste stream, therefore less landfill," Wellman says.

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Wellman Packaging 100% rPET on the shelves

Advancing rPET development

As a long standing participant in this industry, Wellman Packaging re-affirms its mission to be "better than carbon neutral".

In related developments in recycled plastics, Wellman informs PKN that it is well advanced on upgrading its existing Squeezy Sauce bottle from the now 90% food grade recycled plastic content to 100% recycled by the end of 2020, and has an in-principle undertaking from major retailer who seeks to use the technology.

Production line for Wellman Packaging's Squeezy Sauce bottle, made from 90% food grade rPE.

"Part of our mission is to convert all of our feedstocks to recycled plastics and aside of the work on rPET and our rPE Squeezy Sauce bottle, we have been developing solutions for the use of recycled HDPE in laundry bottles and more recently a food grade application.

Together, these account for the majority of our raw materials leaving polypropylene that we use for our caps, closures and thin wall packaging. PP, along with other specialty resins, is more challenging to convert to recycled due to the higher complexity in applications like our flip-top caps that we make where the polymer performance requirements and material recipes are sophisticated," Wellman explains.

...it is a rapidly advancing and exciting area of research and right now, I have my money on plastics from hemp especially for injection moulding."

Wellman believes his company will most likely convert its PP applications, like closures, into renewable polymers grown from organic sources instead of recycled. He adds, "We have trialled a lot of different options including bio-polymers but so far have not found a good fit. However, it is a rapidly advancing and exciting area of research and right now, I have my money on plastics from hemp especially for injection moulding."

Underpinning its confidence for the future and to provide a platform for realising its environmental objectives –including 'going off the grid' – the family business has now secured a large 50ha+ parcel of land on the outskirts of Sydney as it moves toward developing new 'better than carbon neutral' production facilities

Wellman concludes, "It's exciting times and the beginning of the next 50-year life cycle. This investment lays ground for our integrated manufacturing solutions and 'conscious manufacturing' opportunities to forward thinking brand owners – and hopefully a benchmark for how FMCG manufacturing should be done."

wellman PACKAGING

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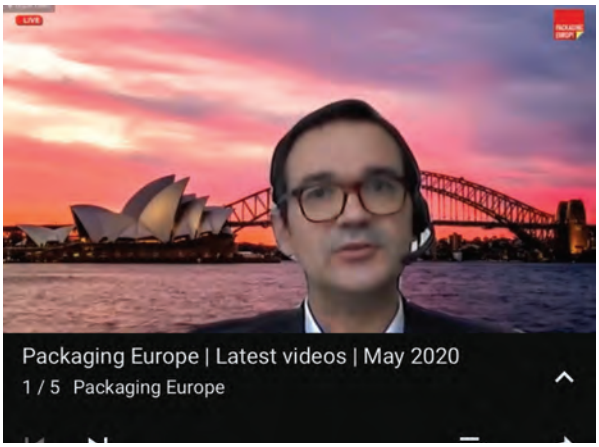
AIP & WPO speak at Packaging Europe Live Broadcast

Prof Pierre Pienaar FAIP, CPP & Nerida Kelton MAIP ought to have been in Dusseldorf in early May playing a prominent role in the interpack 2020 programme. Instead they joined Packaging Europe from Australia to share global insights on the state of the packaging industry, its present challenges and future outlooks.



During the broadcast additional speakers discussed bringing the connected enterprise to life with Rockwell Automation, lasers with Coherent, and innovations from Domino and AMB Packaging. The session was moderated by Tim Sykes.

To view the full broadcast visit https://youtu.beeZiIAlMQgI4? or https://packagingeurope.com/live-broadcast-packaging-futures-and-a-visit-to-australia/

AIP speaks with Vanden Recycling

AIP Education Director and WPO President, Prof Pierre Pienaar, FAIP, CPP recently participated in a Linked in Live broadcast with Simon van Leuven MAIP, Director, Vanden Recycling. To listen to the discussion click on the You Tube link https://www.youtube.com/watch?v=bLjEgaHydH8&feature=youtu.be

Featuring Special Guest

PROF PIERRE PIENAAR FAIP, CPP

PRESIDENT – WORLD PACKAGING ORGANISATION (WPO)
EDUCATION DIRECTOR – AUSTRALIAN INSTITUTE OF PACKAGING (AIP)

Vanden®

2020 Australasian Packaging Innovation & Design Awards

6 - 7 May 2020

PIDA
AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR

WINNERS

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EXCLUSIVE ENTRY TO
WORLD'S STAR FOR PACKAGING
WPO WORLD PACKAGING ORGANISATION

IN CONJUNCTION WITH
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ESKO

SUPPORTERS
RE-FORME
ecolean a lighter approach to packaging

2020 Australasian Packaging Innovation & Design (PIDA) Award winners announced

The Australian Institute of Packaging (AIP), formally announced the winners of the 2020 Australasian Packaging Innovation & Design (PIDA) Awards virtually in the first week of May. The PIDA Awards are an Australia and New Zealand program that is coordinated by the AIP, in conjunction with Packaging New Zealand.

The PIDA Awards have been established to recognise companies and individuals who are making a significant difference in their field across Australia and New Zealand.

The PIDA Awards are also the exclusive feeder program for Australian and New Zealand for the prestigious WorldStar Packaging Awards run by the World Packaging Organisation. All 2020 PIDA winners will be automatically eligible for entry into the 2021 WorldStar Packaging Awards competition.

The Packaging Innovation & Design of the Year company awards recognise organisations that have designed innovative packaging within each of these five manufacturing categories:

1. Food
2. Beverage
3. Health, Beauty & Wellness
4. Domestic & Household
5. Labelling & Decoration

The 2020 PIDA Awards also sees finalists in a number of special awards including:

1. Sustainable Packaging Design Special Award
2. Accessible Packaging Design Special Award
3. Young Packaging Professional of the Year Award

"Wow! You guys did a great job of ensuring every participant felt they were indeed attending an event. To present awards and create a sense of Grandeur, otherwise reserved to a Gala Event, was achieved."

2020 Packaging Innovation & Design of the Year Award – Food Category

The Packaging Innovation & Design of the Year Award - Food Category recognises organisations that have designed innovative packaging and/or materials, within food packaging and processing including fresh, frozen or other. All entries are also judged on Sustainable Packaging Design Considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets. This is a WorldStar Packaging Awards category.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
FOOD
GOLD WINNER

The winner of the Gold award for the 2020 Packaging Innovation & Design of the Year – Food Category is Planet Protector Packaging for the Lobster Protector.

The uniquely designed Lobster Protector packaging is a flat-packed, recyclable, biodegradable, renewable and compostable solution made from 100% 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.

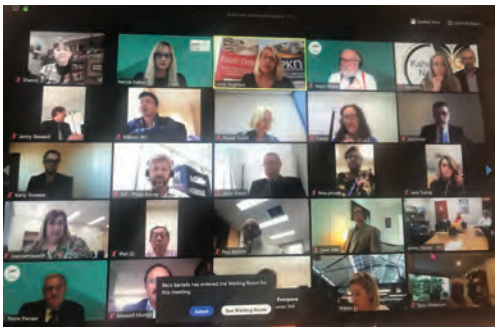
The Lobster Protector is 100% certified food safe and is 100% recyclable and biodegradable, with the critical wool liner compostable (even home compostable). There are no plastic components in this solution.

The materials used in the overall design of Lobster Protector have been brought together to offer the ultimate innovative packaging solution:

1. A corrugated cardboard carton, made from 50% recycled content with an environmentally responsible external outer coating to make it water resistant.
2. The recyclable fibreboard insert as it has been designed to ensure prevention of built up moisture and carbon dioxide levels.
3. The natural wool liner made with a special blend of wool waste fibres that is felted together to create a robust and performance-based lining.

The Lobster Protector packaging has demonstrated to keep live lobsters at 7 - 12 Degrees Celsius beyond 36+ hours. The packaging is also designed to work with technology such as data loggers to enable real time temperature monitoring by the customer during transit. Industry testing has also demonstrated that the Lobster Protector design outperforms traditional packaging such as polystyrene. The Lobster Protector has the capacity to remove approximately 1,210,000 polystyrene boxes from the supply chain each year, which by volume is equivalent to six rugby fields, one metre deep or approximately 58,040 Full Container Load shipping containers.

"So well done! Very inspiring and seamless session and I am looking forward to Part 2 tomorrow."



2020 Packaging Innovation & Design of the Year Award – Food Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
FOOD
SILVER WINNER

The winner of the Silver award is actually a tie between Disruptive Packaging for Uniqcor for cold chain environments and Platypus Print Packaging for the Youfoodz Meal Kit.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
FOOD
SPECIAL COMMENDATION

The judges have awarded a Special Commendation to Primo Foods for the Red Range Slice Pack.

"Congratulations to Nerida and the team at AIP! You did an outstanding job of ensuring that the awards were up to their usual exemplary standard. So exciting."

"Awards are so important for recognition of achievement and leadership. Great work to the AIP!"

2020 Packaging Innovation & Design of the Year Award – Beverage Category

The Packaging Innovation & Design of the Year Award – Beverage Category recognises organisations that have designed innovative packaging and/or materials, within packaging and processing for liquid or dry tea, coffee, water and soft drinks including wine, beer and spirits. All entries are also judged on Sustainable Packaging Design Considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets. This is a WorldStar Packaging Awards category.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
BEVERAGE
GOLD WINNER

The winner of the Gold award for the 2020 Packaging Innovation & Design of the Year – Beverage Category is actually a tie between Coca-Cola Amatil and Ecolean.

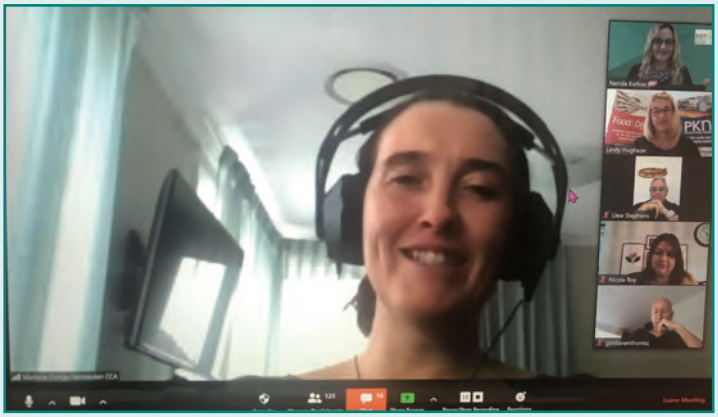
Coca-Cola Amatil for 100% recyclable rPET bottles

Coca-Cola Amatil delivered a world-first by converting all of its single serve PET bottles from largely petroleum-based PET resin to 100% post-consumer recycled PET resin (rPET). Many other bottlers both in Australia and around the world have converted their water bottles to 100% rPET, however CCA is the first to achieve this on carbonated soft drink (CSD) bottles, sensitive warmfilled bottles and aseptic dairy bottles. By converting all of these skus to 100% rPET 7 out of every 10 bottles CCA sells in Australia are made from recycled post-consumer resin. This equates to over 55% of CCA's total PET tonnages.

Coca-Cola Amatil were also able to deliver a small weight saving on the warmfill and dairy packs (Powerade, Barista Bros, Fuze, Mt Franklin flavour etc) when they converted to rPEt. This weight reduction of approximately 8.5% was from an already industry leading position and was once again achieved without impacting the existing functionality of the packs.

On average they can see over a 50% reduction in CO2 footprint converting the CSD range from virgin PET and for the warmfill and aseptic packs where they were also able to achieve an 8.5% weight reduction they can see a CO2 footprint reduction of over 65%.

This project heavily delivers against the 2025 National Packaging Targets. By converting their single serve PET range to rPET they have achieved well over 55% of their PET resin used in Australia as recycled material. This equates to almost 20,000T of rPET used each year. These bottles are 100% recyclable and with CCA's increased use of rPET demand for this material to be recycled and reused locally will grow.



2020 Packaging Innovation & Design of the Year Award – Beverage Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020
DESIGN INNOVATION OF THE YEAR
BEVERAGE
GOLD WINNER

The winner of the Gold award for the 2020 Packaging Innovation & Design of the Year – Beverage Category is actually a tie between Coca-Cola Amatil and Ecolean.

Ecolean for the Bannister Downs Dairy WA chilled pasteurised range

This lightweight flexible packaging designed for liquid food products is designed to reduce its impact on the environment with convenience, innovative and eye-catching packaging. The unique designs and shapes of the packaging makes it stand out on shelf and present a quality product to consumer. Designed for chilled pasteurised beverages the packaging performs well in refrigerated and frozen requirements. The material is non-penetrable by UV light and maintains the products 'coolness' due to the ouch's natural composition. When kept at, or below 4 Degrees your milk will stay fresh longer. It will also not leak when laid down on a fridge shelf, can be frozen when sealed and microwaved safely once the seal is broken.

Packaging can also be microwaved for a short warm up period depending on the range. Every surface of the packaging has printed artwork to communicate to consumers and stand out on the shelf. Features of the pack area self-standing and self-supporting pouch once filled; inflated air handle completed by filling machine after the pack is filled. This has been designed to enable the customer to handle, hold and carry the package easily. There is a perforated easy-to-open tear-off area at the spout of the pouch. The packaging can also be easily and fully emptied with no residue or liquid waste in the pack.

The lightweight nature of the packaging and its durability allows the packs to be interlocked and laid down flat inter outer carton shippers, reducing weight and space in freight. The lightweight nature of the packaging means less weight, less material and less logistics costs around weight and size. The Ecolean materials have been approved through REDcycle to provide the option of returning washed out pouches in-store for recycling.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020
DESIGN INNOVATION OF THE YEAR
BEVERAGE
SILVER WINNER

The winner of the Silver award is Brownes Dairy for Australia's first renewable gable top milk carton.

2020 Packaging Innovation & Design of the Year Award – Health, Beauty & Wellness Category

The Packaging Innovation & Design of the Year Award – Health, Beauty & Wellness Category recognises organisations that have designed innovative packaging and/or materials, within cosmetics, toiletries, personal hygiene, supplements, vitamins, perfumes, hair body and oral care. This award also covers packaging of all medicines including over the counter medicines, medical equipment packaging. All entries are also judged on Sustainable Packaging Design Considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets. This is a WorldStar Packaging Awards category.

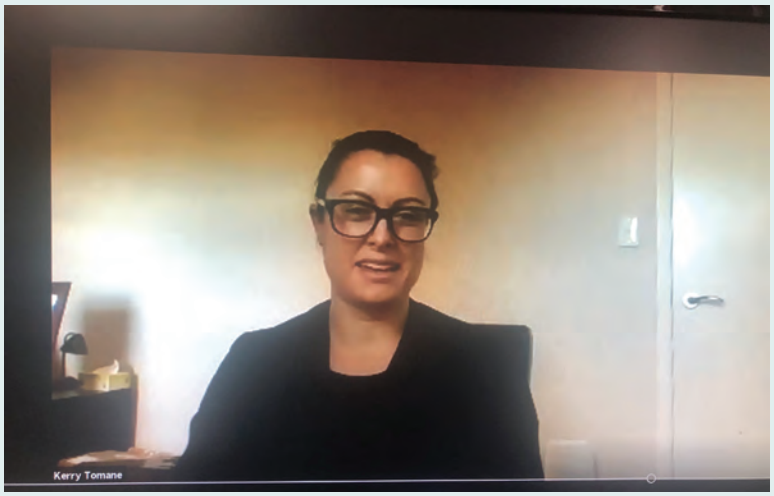
PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
HEALTH, BEAUTY & WELLNESS
GOLD WINNER

The winner of the Gold Award for the 2020 Packaging Innovation & Design of the Year Award – Health, Beauty & Wellness is Pact Group for the New Zealand Earthwise Glow Labs brand of PCR 100% rPET bottle range.

Pact Group worked with New Zealand's Earthwise brand to launch a post-consumer sourced (PCR) 100% rPET bottle range for their Glow Labs brand. The new range (body wash, handwash, shampoo, conditioner) consisted of seven 100% rPET bottles and replaced the former virgin PET designs. Converting to recycled rPET Pact Group was able to further light weight Glow Lab's amber bottles by an average of -27% (approx. 37 tonnes per annum). Based on Glow Lab's volumes, this equates to approximately 130 tonnes of plastic that has been reused and diverted from landfill.

Earthwise household cleaning products are also Environmental Choice certified (New Zealand's highest independent accreditation eco label). Earthwise pledged support to the New Zealand Plastic Packaging Declaration, committing to have 100% of their packaging recyclable, reusable or compostable by 2025 or earlier. With packaging already recyclable, moving to bottles made from recycled content was the next step.



2020 Packaging Innovation & Design of the Year Award – Domestic & Household Category

The Packaging Innovation & Design of the Year Award – Domestic & Household Category recognises organisations that have designed innovative packaging and/or materials, packaging within domestic and household items, toys, stationary, gifts, clothing, garden equipment, decorating. All entries are also judged on Sustainable Packaging Design Considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets. This is a WorldStar Packaging Awards category.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
DOMESTIC & HOUSEHOLD
GOLD WINNER

The winner of the Gold Award for the 2020 Packaging Innovation & Design of the Year Award – Domestic & Household category is Sealed Air Brand Protective Packaging for the Korrvu uncompromised product protection.

Korrvu® delivers versatility, space efficiency, uncompromised product protection while delivering a unique customer brand experience using a package that is simply is fun and sustainable. The custom engineered low slip transparent film used with Korrvu® keeps the product in place, providing protection against damage during transportation. It also serves as a display window to showcase products and brands. The efficient design enables packages to be easily opened, reused and recycled. Beyond designing to protect from damage as well as delivering a solution that uses less material and is recyclable, this innovation helps brand owners grow their brand, particularly as e-commerce growth accelerates.

Bring the Retail Experience to E-Commerce Fulfilment: The customisation capabilities of Korrvu® packaging provides an in-store feeling for at-home consumers. Korrvu® offers a completely seamless branded solution for omni-channel retailing, whether orders are fulfilled at a distribution centre or ship-from-store, that incorporates logos and graphic displays within the box.

Korrvu® packaging uses highly resilient low-slip film that suspends products in the centre of the package, reducing damage from shock and vibration while maximising the visual appearance. A wide range of specialty features and non-standard options ensure perfect protection for each application. The product can be easily removed from the box without the need for additional protective shrink wrap which is hard to grasp and open, often requiring scissors or a knife. This format's easy disposal also drives brand appeal. Korrvu® packaging is recyclable through the PREP tool. The fold-flat design minimises storage or disposal space. It is also reusable for return shipments, minimising waste at both ends of the distribution cycle.

2020 Packaging Innovation & Design of the Year Award – Domestic & Household Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

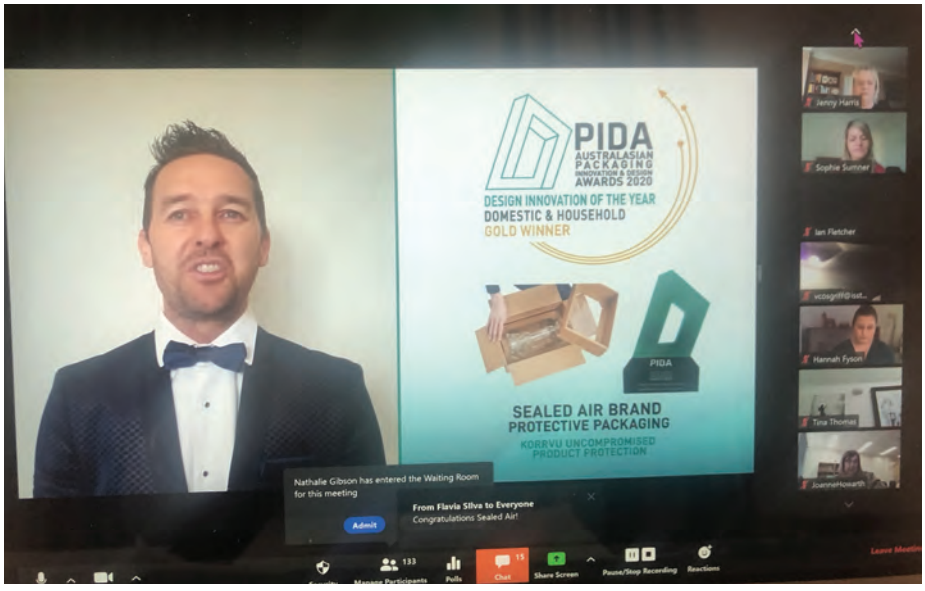
DESIGN INNOVATION OF THE YEAR
DOMESTIC & HOUSEHOLD
SILVER WINNER

The winner of the Silver Award is Birdstone Collective & NCI Packaging for the DuluxGroup Cabot's Ready Bucket.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
DOMESTIC & HOUSEHOLD
BRONZE WINNER

The winner of the Bronze award is Birdstone Collective & Orora Cartons for the recyclable Telstra Sleeve.



"Well done. Congratulations to all the winners and a huge thank you for the great efforts to provide this event. Well done Nerida and the team, Clearly a lot of work went into making this event as prestigious as possible given the current COVID-19 constraints."

"A lot of big hearts in the AIP, glad we can be a part of this community."

2020 Packaging Innovation & Design of the Year Award – Outside of the Box Category

During the judging for the Domestic and Household category a number of unique and innovative designs were also noted, and the judges decided to introduce a NEW category from this year into the PIDA Award program called 'Outside of the Box'. This category is also eligible for a WorldStar Packaging Award.

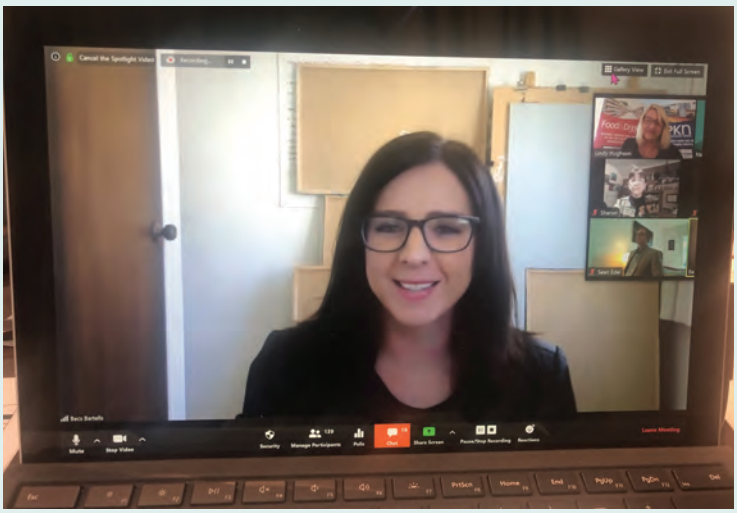
PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

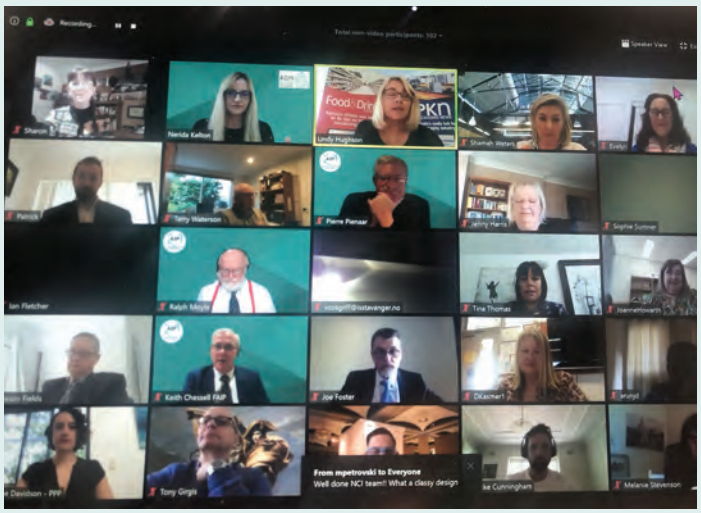
DESIGN INNOVATION OF THE YEAR
OUTSIDE THE BOX
GOLD WINNER

The Gold winner of the inaugural 2020 Packaging Innovation & Design of the Year Award – Outside of the Box category is Outside the Box Caskets for an ecological solution to the traditional timber and MDF casket.

Outside The Box designs have a very different aesthetic and sustainable footprint to current solutions. The distinctive sleek modern design incorporates both straight edges and curves, with the tapered curves on both the lid and side profile giving it a softer and sleeker feel. It has been functionally designed in a way which means it needs no glue, no staples, screws metal parts. The design consists of an outer base, an insert which adds to the structural integrity, a rigid laminated cardboard base and a lid, weighing 20kg less than alternatives.

The structural design has been developed to meet the strict requirements of the global green burial movement by being fully compostable, which leaves no footprint. While still being functional for its intended purpose, the solution has been rigorously weight tested and has 300 kg load bearing capabilities: all the while being cardboard. This unique innovation is also the first cardboard casket in NZ to meet Natural Burials requirements which means the carbon footprint is even lower compared to a traditional option. In partnership with Trees for Survival, the company also donates a native NZ tree back to the community.





2020 Packaging Innovation & Design of the Year Award – Outside of the Box Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

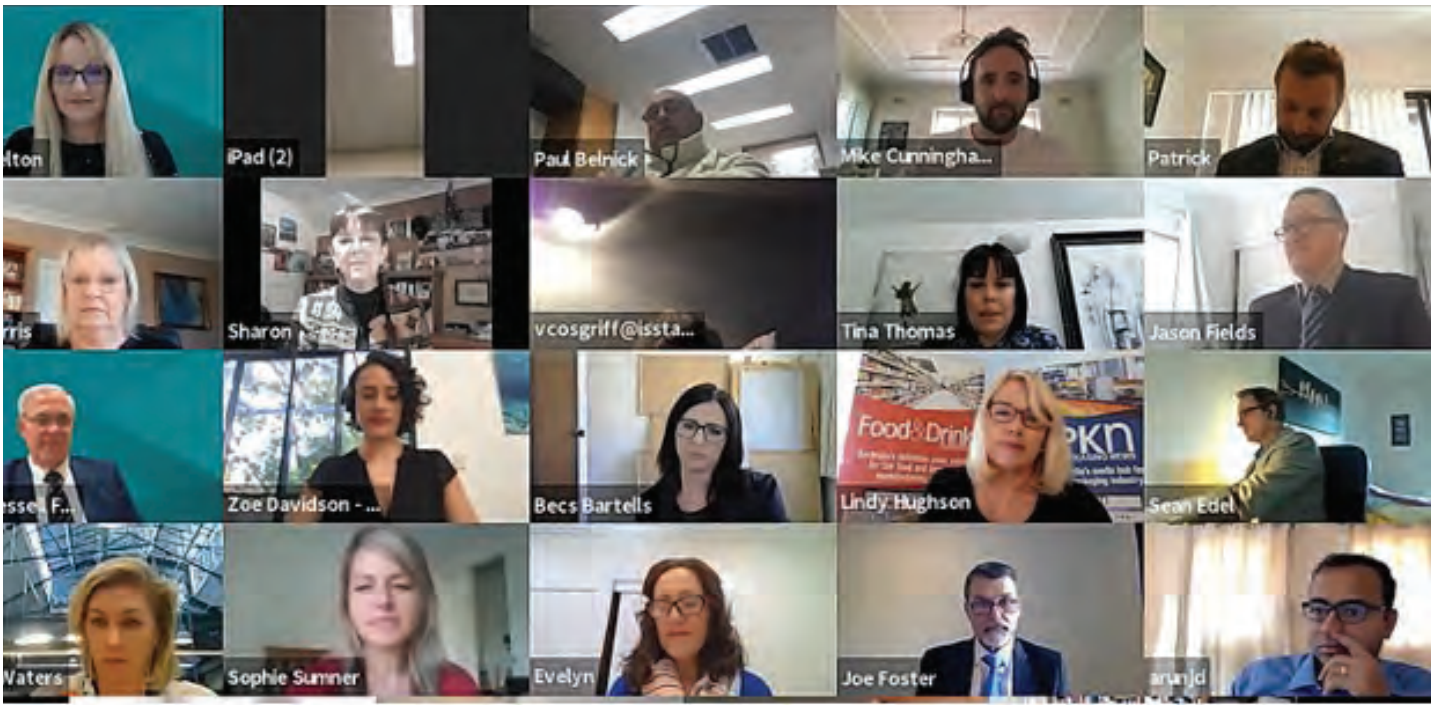
DESIGN INNOVATION OF THE YEAR
OUTSIDE THE BOX
SILVER WINNER

The winner of the Silver award is Gaprie for the P.C. Nets which are a re-usable, alternative for pallet containment.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

DESIGN INNOVATION OF THE YEAR
OUTSIDE THE BOX
BRONZE WINNER

The winner of the Bronze award for this new category is Sealed Air for the Daisy Pool Covers.



2020 Packaging Innovation & Design of the Year Award – Labelling & Decoration Category

The Packaging Innovation & Design of the Year Award - Labelling & Decoration Category is designed to recognise the addition of content to a pack which creates a unique or innovative appearance, function or communication. This may include labels, sleeves, tags, coding/markings, etching, directly applied inks or by any other similar process. All entries are also judged on Sustainable Packaging Design Considerations and what packaging changes they are undertaking to meet the 2025 National Packaging Targets. This is a WorldStar Packaging Award Category.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020
DESIGN INNOVATION OF THE YEAR
LABELLING & DECORATION
GOLD WINNER

The winner of the 2020 Packaging Innovation & Design of the Year Award – Labelling & Decoration category is NCI Packaging & DuluxGroup for the Porter's Paints superior crafted paint can range.

NCI Packaging worked with Porter's Paints to produce a superior crafted paint can that showcased the brand's premium quality and differentiated itself within Bunning's stores.

When shopping in paint or hardware stores consumers can be overcome by different paint brands, all fighting for attention using packaging screaming features and benefits, in overwhelmingly bright colours and glossy finishes. The Porter's point of sale concept creates a store within a store approach within Bunning's. Porter's have worked with Bunning's to create a shopping experience, unlike anything seen in the market today. The Porter's range sits together in the point of sale unit, simplifying the shopping experience. This differs to other brands, which are grouped in categories.

Knowing that the paint can industry in Australia has never produced a matte can before has allowed Porter's and NCI to set the tone and be very creative with how they went about using colours, fonts, dyes and materials against a matt finish. The matte finish created a smoother, more luxurious quality, whilst differentiating the brand in the crowded and glossy retailing environment. This matte finish, in combination with the gold metallic logo and trim, is instrumental in propelling the paint can as a first-class deluxe item.

2020 Accessible Packaging Design Special Award Category

The Accessible Packaging Design Special Award is designed to recognise packaging that is accessible, intuitive, easy-to-open and innovative. Accessible Packaging Design needs to include measuring techniques, understanding injuries caused by packaging and consumer satisfaction levels with packaging accessibility. This award is sponsored by Arthritis Australia and Arthritis New Zealand.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

ACCESSIBLE PACKAGING DESIGN SPECIAL AWARD GOLD WINNER

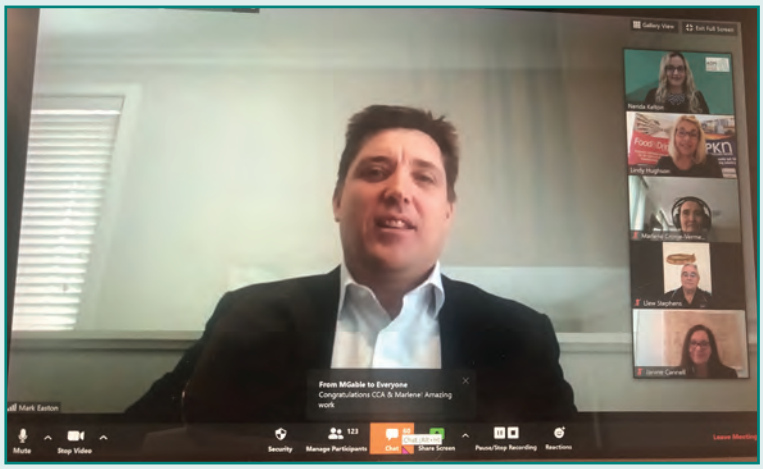
The winner of the 2020 Accessible Packaging Design Special Award is Ecolean for the Bannister Downs Dairy WA chilled pasteurised range.

Ecolean worked with Bannister Downs Dairy to design innovative and lightweight beverage packaging that is certified as easy-to-open and easy-to-use by people with reduced hand function. Ecolean's packages are already praised by consumers worldwide for their convenience in everyday situations and the approval from SRA (Swedish Rheumatism Association) confirms the package's ease of use.

The Bannister Downs Dairy range has been designed with obvious opening points and the packaging is intuitive to use and open. As the design is shaped like a standard jug, a format well-known for containing and pouring liquids it is intuitive with the 'tear off' instructions near the tip of the pack to open the package. The opening tear operates as indicated along the dotted line. The tear-off spout makes the packages easy to open and empty with no need for the use of tools.

The design is also easy to grip, control and manoeuvre with the 'Firm' grip Air-filled handle offering stability to hold the package regardless of whether the person is left or right-handed. The shape offers controlled pouring with no drip and the lightweight nature of the design makes it easy to hold with one hand.

Ecolean has considered the sustainable packaging design principles and chosen a lightweight flexible package, which means the Ecolean 1Lt pack is 40% lighter than other 1Lt pack formats. In addition the selection of Polyolefin materials (PE & PP) means the packaging is accepted through the REDcycle recycling program. The ARL and REDcycle disposal logos and a QR codes on pack provide consumers with the helpful information for correctly recycling of the pack.



2020 Sustainable Packaging Design of the Year Special Award - Retail Pack Category

The Sustainable Packaging Design of the Year Special Award is designed to recognise companies that have developed innovative packaging or processing solutions that incorporates sustainability considerations. Elements include Social, Material, Source Reduction, Energy and Recovery. One of the winners will be awarded the custom EcodEX packaging environmental assessment valued at $10,000. Selerant will implement its acclaimed EcodEX assessment and provide the winner a reputable third-party environmental evaluation of the product package or formulation. This is a WorldStar Packaging Awards Category.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

SUSTAINABLE PACKAGING DESIGN SPECIAL AWARD - RETAIL PACK

GOLD WINNER

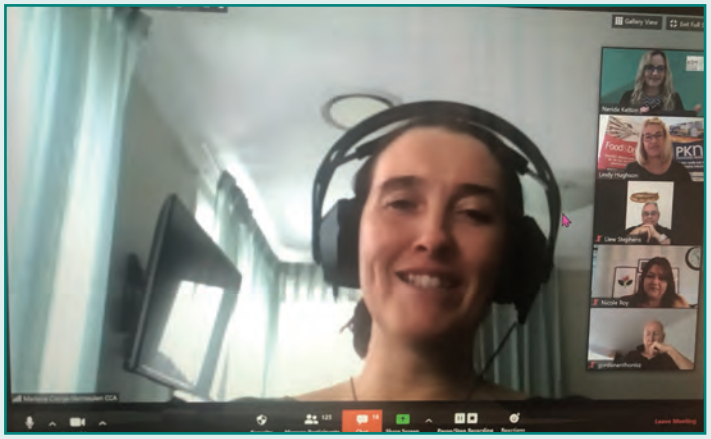
The winner of the Gold Award for the 2020 Sustainable Packaging Design of the Year category – Retail Pack is Coca-Cola Amatil for the 100% recyclable post-consumer recycled rPET bottles.

Coca-Cola Amatil (CCA) has provided key industry leadership and assisted the drive to the circular economy by making and delivering on a commitment to convert all of their single serve PET bottles to 100% post-consumer recycled PET resin (rPET) by the end of 2019.

Many other bottlers both in Australia and around the world have converted their water bottles to 100% rPET, however CCA is the first to achieve this on the technical difficult carbonated soft drink (CSD) bottles, sensitive warm filled bottles and aseptic dairy bottles. By converting all of these skus to 100% rPET, seven out of every ten bottles CCA sells in Australia are now made from recycled post-consumer resin. This equates to over 55% of CCA's total PET tonnage or a reduction of CCA's use of virgin plastics in Australia by around 16,000 tonnes a year.

Even more technically remarkable after the bottle weight reductions undertaken over the last decade, the conversion to rPET was achieved without increasing the weights of any packs and in the case of the preform used for warm fill and aseptic dairy, they successfully light weighted these bottles by a further 8.5% during the conversion to rPET.

CCA's commitment to increased use of recycled PET has created the important demand in Australia, which will encourage further investment in this area so that all recycled PET used in Australia is sourced from Australia. Following the launch of the rPET conversion program CCA recognising their own need to source local rPET and they now have announced a joint venture with Veolia to develop the business case around building an rPET plant in Australia.



2020 Sustainable Packaging Design of the Year Special Award - Retail Pack Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

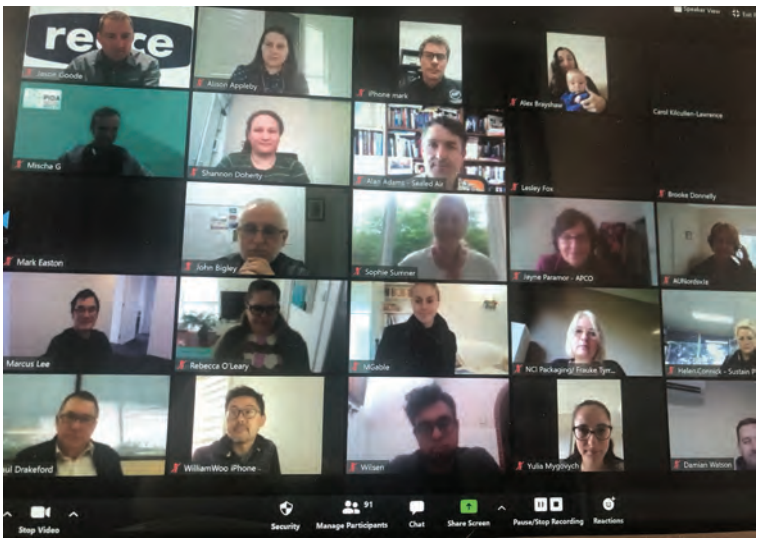
SUSTAINABLE PACKAGING DESIGN SPECIAL AWARD - RETAIL PACK
SILVER WINNER

The winner of the Silver Retail Pack Award is Pact Group for New Zealand's Earthwise brand of PCR 75% rHDPE household cleaning range.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

SUSTAINABLE PACKAGING DESIGN SPECIAL AWARD - RETAIL PACK
BRONZE WINNER

The winner of the Bronze Retail Pack Award is actually a tie between Brownes Dairy for Australia's first renewable gable top milk carton and UPM Raflatac & Kiwi Labels for the CUSTOM-PAK rPET Cherry Punnet with self-adhesive label, permanent adhesive that is also washable at the PET recycling plant.



2020 Sustainable Packaging Design Special Award – Product Protection Category

The winner of the Gold Award for the 2020 Sustainable Packaging Design of the Year - Product Protection category is actually a tie between Opal Packaging Australia (Formerly Orora Fibre Packaging) for the recyclable moulded paper inserts Sealed Air Brand Protective Packaging for the TempGuard kerbside recyclable packaging for pre-packaged, temperature sensitive goods.

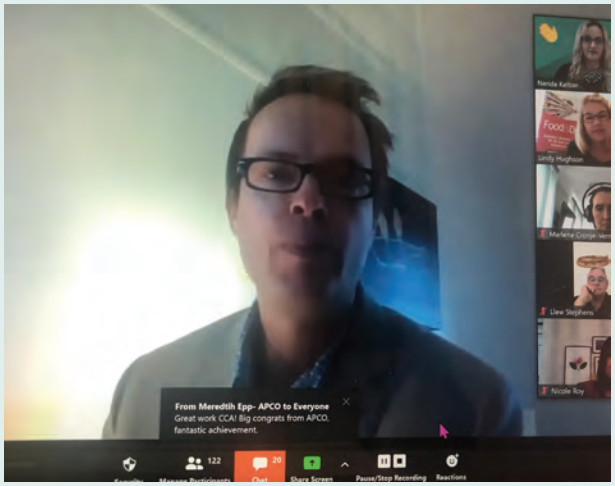
Opal Packaging Australia (Formerly Orora Fibre Packaging) for the recyclable moulded paper inserts

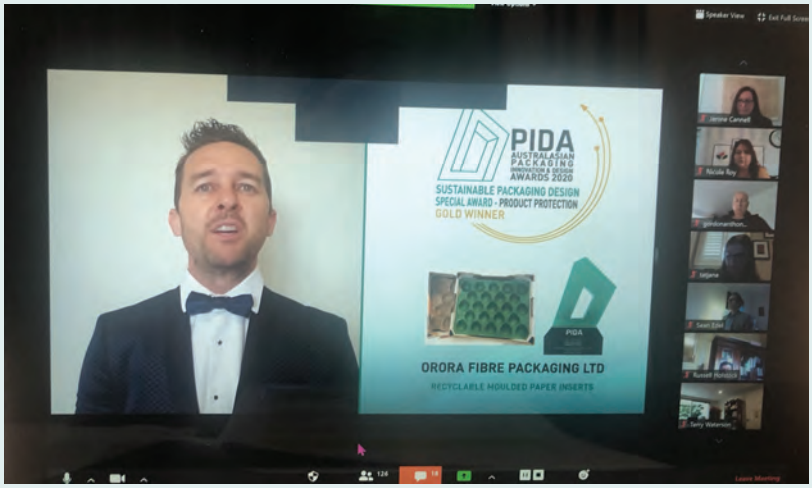
The Opal Packaging Australia (Formerly Orora Fibre Packaging) inserts provide superior protection and presentation for fresh produce inside the carton and offer a recyclable alternative to standard, non-recyclable PVC plastic inserts.

The recyclable moulded paper inserts are made from responsibly sourced fibre and can be customised with specific colours and branding for a range of products. The inserts are currently available for avocado and mango segments in multiple count sizes.

The individually moulded trays provide shock and vibration protection (no ringing on fruit) and offers ventilation and moisture control characteristics to ensure fresh produce integrity.

The inserts are fully recyclable and an alternative to the standard plastic inserts as they are a third lighter than the current industry PP/PVC insert, which weighs 24gm compared with the moulded paper inserts at 16gm. The inserts can also be reused and are space efficient for storage compared to the plastic inserts. They simplify the recycling process as there is no need to separate inserts from the cartons, saving time and reducing contamination within 'bale press' recycling.





2020 Sustainable Packaging Design Special Award – Product Protection Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

SUSTAINABLE PACKAGING DESIGN SPECIAL AWARD - PRODUCT PROTECTION GOLD WINNER

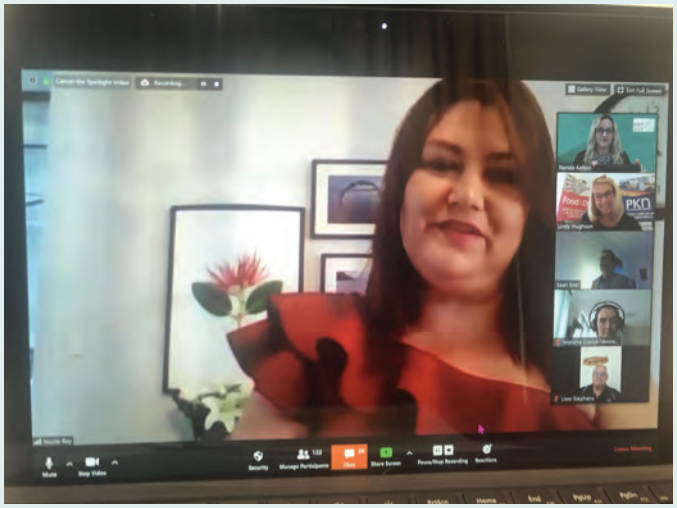
Sealed Air Brand Protective Packaging for the TempGuard kerbside recyclable packaging for pre-packaged, temperature sensitive goods

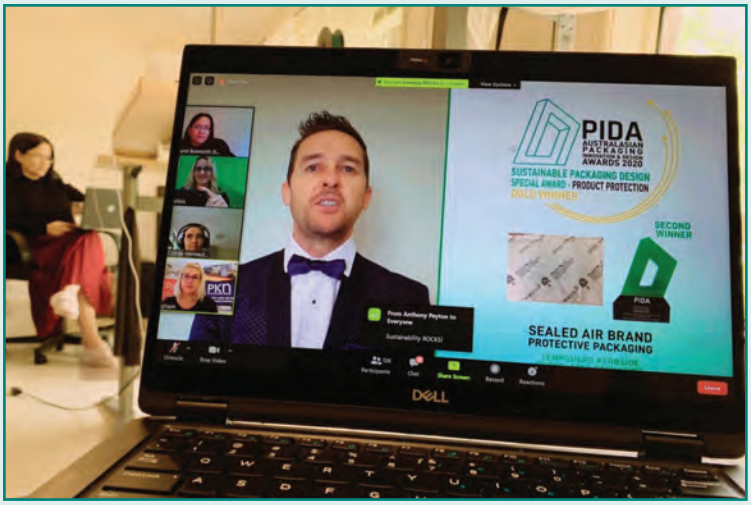
Sealed Air's TempGuard™ is a fully Kerbside recyclable and ARL compliant paper pouch liner made from virgin kraft paper and is filled with 100% recycled paper. It is used to line cartons that are used for distribution to deliver exceptional thermal insulation for chilled items including chilled meals, pharmaceuticals and chocolate.

TempGuard™ flexible liner pads are only 14mm thick yet provides cushioning and protection with greater space efficiency compared to EPS (wall thickness of 30mm) and allowing the opportunity for customers to decrease the size of the outer carton. TempGuard's flatpack format enables reduced warehousing costs (space and utilities) and efficiency improvements compared with EPS.

TempGuard™ virgin kraft fibres on the pouch exterior means that the pouch remains unaffected by product condensation which is especially important for chilled applications such as seafood and for other chilled good processors who are looking for alternatives to EPS.

TempGuard™ is fully recyclable through PREP with on pack communication providing clear information to consumers about what to do with the product at the end of life.





2020 Sustainable Packaging Design Special Award – Product Protection Category

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020
DESIGN INNOVATION OF THE YEAR
SPECIAL AWARD - PRODUCT PROTECTION
SPECIAL COMMENDATION

The judges have awarded a High Commendation for the Sustainable Packaging Design of the Year - Product Protection category to Omni Group for the PerformX 100% recyclable stretch wrap

2020 Young Packaging Professional of the Year Award

The purpose of the Young Packaging Professional of the Year Award is to provide incentive and recognition to young professionals who are both currently working in and wish to continue their career path within the Packaging industry.

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS
YOUNG PACKAGING PROFESSIONAL
OF THE YEAR AWARD
GOLD WINNER

The winner of the 2020 Young Packaging Professional of the Year Award is Kelly Wade, Scientist, Scion in New Zealand.

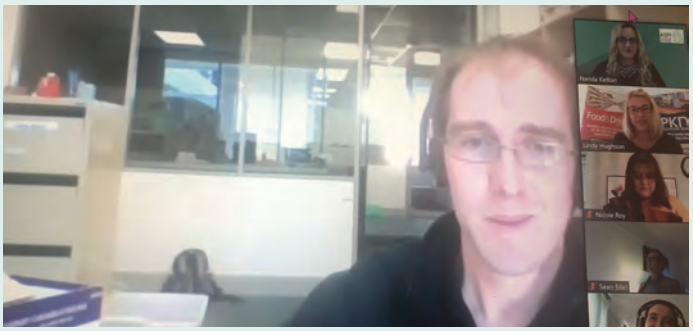
With a Bachelor of Engineering in Chemical and Materials Engineering from the University of Auckland, a PhD investigating intervertebral disc nucleus microstructure and biomechanics relationships Kelly was subsequently awarded a number of awards and postdoctoral research fellowships in spine research which found him studying overseas.

Kelly returned to New Zealand in 2018 to work in the Scion Biopolymers and Chemicals team - applying his background of microstructure and biomechanics relationships to innovative packaging solutions.

Kelly Wade

Kelly is responsible for managing and operating Scion's WHITE room - an internationally unique facility designed to replicate the effects of humidity and temperature on boxes under stress in the chilled distribution chain. Knowing the conditions under which packaging is likely to fail allows manufacturers of packaging materials and packaging to design materials fit for purpose. Kelly is working with leading global box companies and leading exporters to make sure their products reach the market in perfect condition.

Kelly is now combining his previous knowledge around intervertebral disc structure-function relationships with characteristics of paperboard products and how their structure responds to loading and environment. Kelly and his team are targeting corrugated board boxes that fail in supply chains and cost New Zealand and international company's billions of dollars in damaged goods - He is investigating solutions designed to strengthen boxes before they begin to fail. These solutions will be based on novel box designs incorporating biomimetic principles.



Australian Institute of Packaging (AIP) Special Awards

PIDA AUSTRALASIAN PACKAGING INNOVATION & DESIGN AWARDS 2020

One of the key objectives of the Australian Institute of Packaging (AIP) is to recognise individuals who are making a significant contribution to the packaging industry and the Institute is pleased to honour some extremely deserving people in 2020.

AIP Honorary Membership

AIP Honorary Membership is designed to recognise an individual who has contributed to and significantly supported the Institute and over a long period of time.

The AIP Board are proud to recognise Mark Kelton, Member Services Manager, AIP Australasian Office as an Honorary Member.

The Board would like to acknowledge Mark Kelton for his unwavering and tireless input into helping to create the successful Institute that we see today. Mark has been instrumental in the day-to-day operations of the AIP for close to 15 years and looks after the members, the event bookings, the website, the accounts and so much more with professionalism and ease. Anyone that is a Member of the AIP will receive emails from Mark in the early hours of the mornings and even on weekends and he goes out of his way to help every Member.

Mark Kelton Hon.MAIP

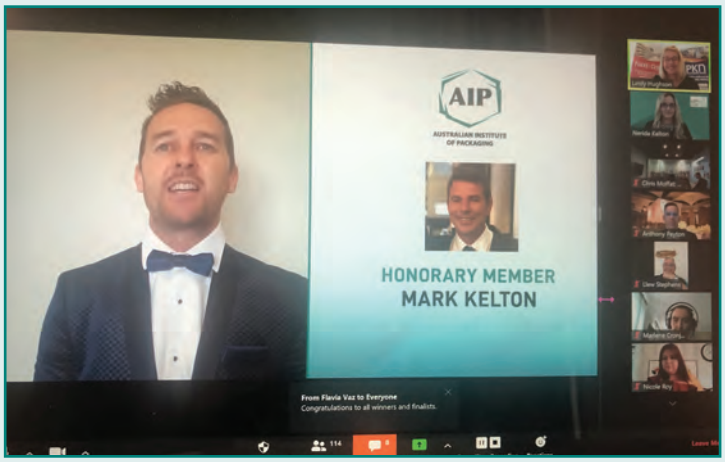
AIP Fellowship

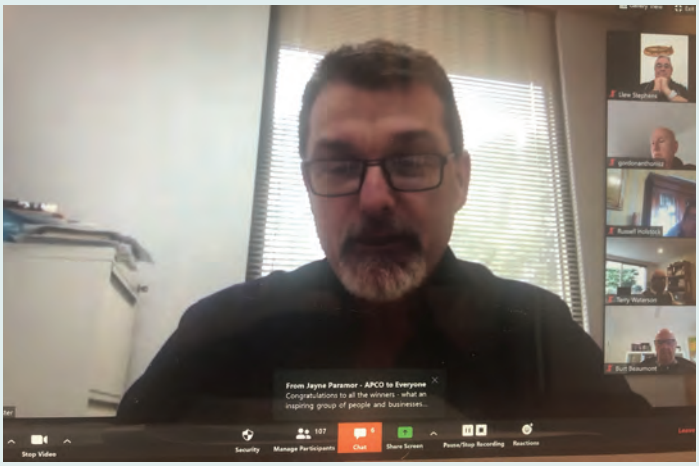
The grade of Fellow is the highest recognition to AIP Members and is designed to recognise the significant and sustained contribution to the technology, science or application to packaging in the industry.

This year the AIP has one Fellowship to award, Joe Foster, Co-Founder & Director, OF Packaging.

Joe Foster FAIP has had a passion for flexible packaging for most of his life and has run four businesses across four countries over the last forty years. Joe has spent the majority of his career working to not only understand flexible packaging at its core but progress the possibilities of flexible plastics with a continued focus on packaging innovation. Joe Foster's true legacy has nothing revolves around his resoundingly passionate attitude towards flexible packaging. Joe sees beyond what flexible packaging is, to what it can be, and hopes to create an evolved understanding of flexible packaging and the place it holds in society. His goal is to improve the relationship we have with flexible packaging and plastics, helping inspire new respect for packaging and improving consumer and waste behaviours along the way.

Joe Foster FAIP





Australian Institute of Packaging (AIP) Special Awards

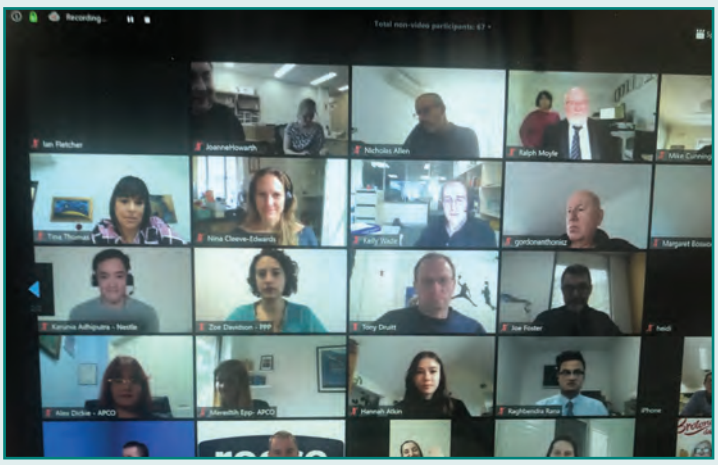
Terry Waterson FAIP

AIP Life Membership

AIP Life Membership has only ever been awarded five times in 57 years. The Life Member award is designed to recognise someone who has consistently contributed to not only the packaging industry but also to the AIP as a volunteer. This person has been a Member of the AIP for over 35 years, is a Past President and Fellow of the Institute and has been an influential and consistent contributor the wider industry for 60 years.

The AIP are very pleased to announce that our newest Life Member is Terry Waterson FAIP.

Terry Waterson owns a specialist packaging and processing operation Metalprint Australia which holds the international licences for several packaging technologies and his contribution to economic development of packaging is exemplified in his perseverance to introduce the Spouted Pouch packaging system to Australia for Baby Food and Dairy companies. Outside of his tireless contribution to the industry. In the last 35 years Terry has never wavered from helping others and being available to help the AIP whenever needed.



2020 Harry Lovell Award

In 2006 the AIP acknowledging the important role of packaging education and training, established the Harry Lovell Award in recognition of the commitment and contribution of Emeritus Professor Harry Lovell, OAM, to education and training over thirty years in the Institute, and in particular to the Diploma in Packaging Technology.

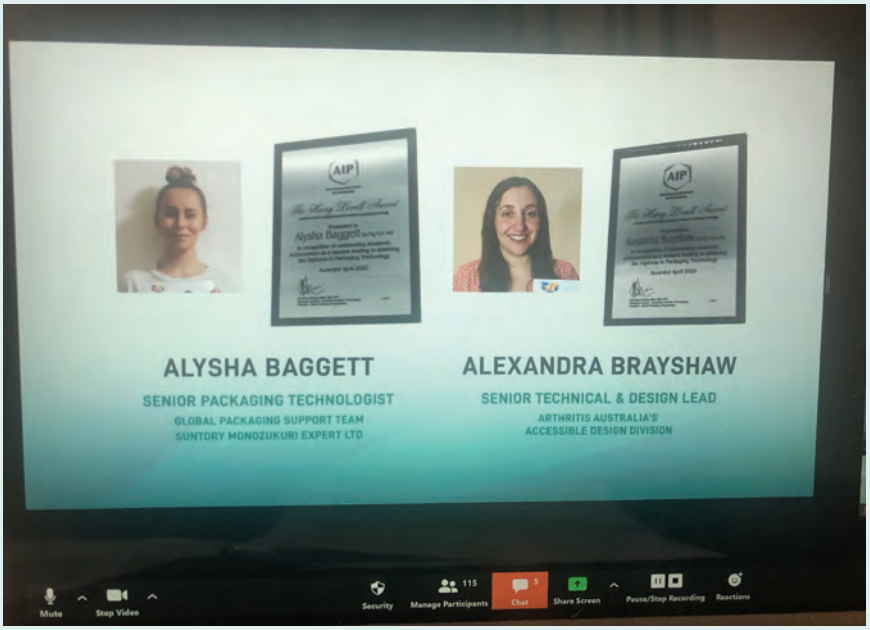
The Harry Lovell Award is presented to graduates of the Diploma in Packaging Technology who have achieved exemplary results in their examinations. This award is not awarded each year and is only presented to outstanding students in packaging technology. The Harry Lovell Award has only been awarded to five students in the last fourteen years - Aleah Back MAIP, Maria Indrayati MAIP, Misbah Khan, Nina Cleeve-Edwards and Sarah Squire.

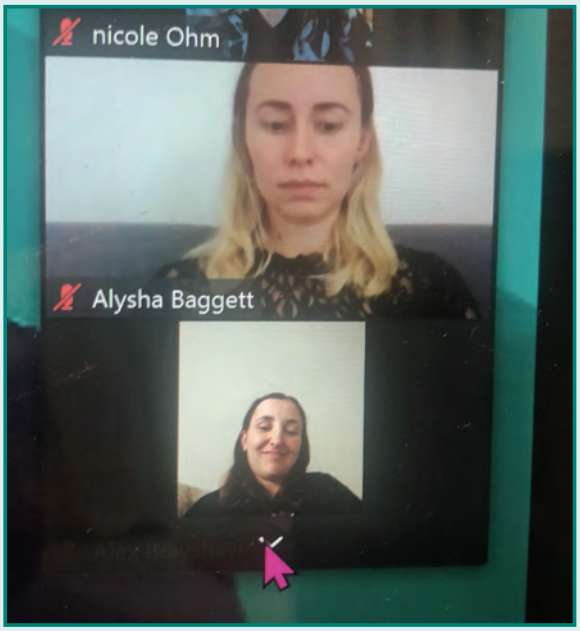
Alexandra Brayshaw Dip.Pkg.Tech. MAIP

Alysha Baggett Dip.Pkg.Tech. MAIP

The AIP Education Team would like to present not one but two Harry Lovell Awards to Alysha Baggett Dip.Pkg.Tech. MAIP, Senior Packaging Technologist, Global Packaging Support Team, Suntory Monozukuri Expert Ltd in and Alexandra Brayshaw Dip.Pkg. Tech. MAIP, Senior Technical & Design Lead, Arthritis Australia's Accessible Design Division, in recognition of outstanding academic achievement as students leading to attaining the Diploma in Packaging Technology.

This follows their global recognition in late 2019 by the United Kingdom when Alysha was awarded the Best Student Award for 2018/19 and Alexandra Brayshaw was awarded Best Packaging Related Research Project 2018/19 for 'Understanding the consumer's experience of difficult-to-open packaging and the factors contributing to these negative experiences, especially for the ageing population'. Alysha and Alexandra are two exemplary young packaging professionals who are making a difference in their fields.





Australian Institute of Packaging (AIP) Special Awards

Ralph Moyle, FAIP, CPP

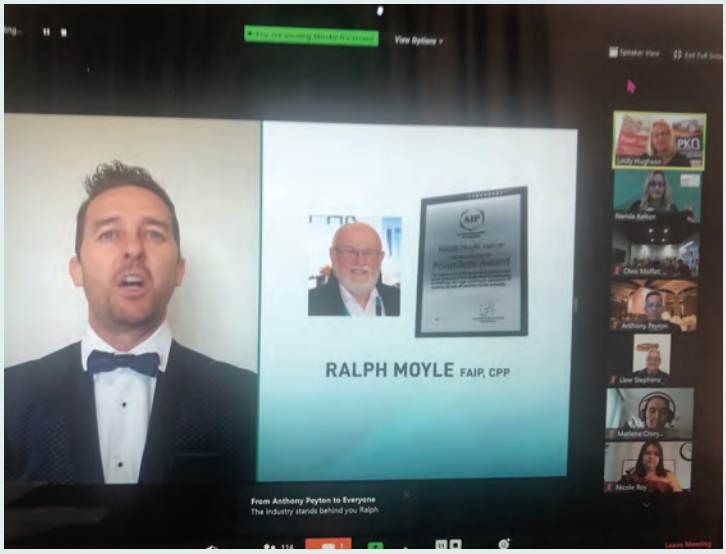
Founders Award

The AIP Founders Award has been named to honour the Foundation Members of the Institute and to recognise their significant contribution to the development of packaging technology and the industry in Australia and New Zealand. The Founders Award shall be given for outstanding performances which in a real way enhances the profession of Packaging Technology.

The Founders Award has only ever been attained by four other people in 57 years - Professor Harry Lovell OAM, FAIP George Ganzenmuller FAIP, Llewelyn Stephens FAIP and Prof. Pierre Pienaar, FAIP, CPP. The fifth AIP Founders Award goes to Ralph Moyle, FAIP, CPP.

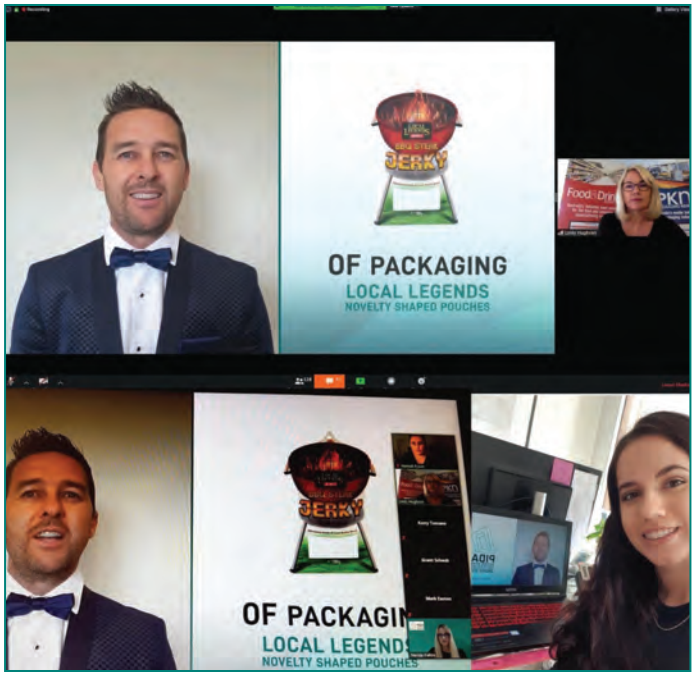
Ralph Moyle FAIP, CPP, is an experienced food-packaging consultant with 40 years in the food processing industry and 25 years focused on packaging. Through a unique range of senior management experiences in Packaging, Operations, Technical and Quality Assurance in large and medium FMCG businesses, Ralph has brought increased value to many organisations through the value of smarter packaging at less waste. Ralph's packaging knowledge has resulted in successful contemporary designs and material selections, improved shelf life, lower material costs, shorter supply chains and environmentally friendly selections that have provided greater economic value. Ralph's role as a trainer and lecturer within the AIP Education team has been invaluable and he alone has been instrumental in training over 1000 people in the last 12 months in Sustainable Packaging, 2025 National Packaging Targets, the Australasian Recycling Label and PREP. Ralph is a past President, Regional Chairperson and Fellow of the AIP and a Certified Packaging Professional (CPP).

The Australian Institute of Packaging (AIP), in conjunction with Packaging New Zealand, would like to take this opportunity to congratulate all of the finalists and the winners for once again showcasing the unique and innovative packaging designs that are created by amazing Packaging Technologists and Designers across Australia and New Zealand. All of the companies who were awarded a PIDA award are now eligible to enter the 2021 WorldStar Packaging Awards.



2020 Australasian Packaging Innovation & Design (PIDA) Award winners

"Thank you to the AIP and PIDA! A wonderful and well-run virtual event!"



"Wonderful to be a part of an exciting event."

"Thank you for arranging everything AIP – it was a blast and see you tomorrow."

2020 PIDA Award Winner Announcement Videos

Packaging Innovation & Design of the Year Award – Food

Packaging Innovation & Design of the Year Award – Beverage

Packaging Innovation & Design of the Year Award – Health Beauty & Wellness

Packaging Innovation & Design of the Year Award – Domestic & Household Category

Packaging Innovation & Design of the Year Award – Labelling & Decoration

Sustainable Packaging Design Special Award

Accessble Packaging Design Special Award

Young Packaging Professional of the Year Award

AIP Special Awards

http://aipack.com.au/2020-pida-award-winner-announcement-videos/

DIPLOMA IN PACKAGING TECHNOLOGY

AUSTRALIAN INSTITUTE OF PACKAGING

Internationally Accredited

The Diploma in Packaging Technology is designed for those wishing to pursue a career in the packaging industry, or who are already working in the industry and wish to extend their knowledge and expertise. 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.

WHAT'S IN IT FOR ME?

Completion of the Diploma in Packaging Technology demonstrates your commitment to your career and to the industry.

The Institute of Materials, Minerals and Mining

AIP: PEAK PROFESSIONAL BODY FOR PACKAGING EDUCATION & TRAINING IN AUSTRALASIA

The true role of packaging comes to light in the midst of the COVID-19

Consumers want food packaging that offers integrity and safety.

The Australian Institute of Packaging executive director Nerida Kelton talks to experts about packaging's role in a COVID-19 world.

In the haze of pandemic conversations swirling around everyone's heads, one topic that has global significance is food security and integrity. The Australian Institute of Packaging (AIP) invited experts from different areas of the packaging industry to provide their views on the important role that packaging plays in times like these.

In part one of this two-part feature, Michael Dossor MAIP, group general manager, Result Group; Dr Carol Kilcullen-Lawrence, FAIP, CPP sustainability specialist, UPM Raflatac; Alan Adams MAIP, sustainability director APAC, Sealed Air; Professor Pierre Pienaar FAIP, CPP, education director – Australian Institute of Packaging (AIP) and president – World Packaging Organisation (WPO); and Keith Chessell FAIP, APCO board member all bring different views to this discussion on COVID-19 and how it will affect the packaging industry.

With the world turned upside down due to the COVID-19 pandemic, consumers are now realising that packaging plays an integral role in food safety. Do you think that this pandemic might help show packaging for its true purpose and perhaps even in a different light from recent times?

Michael Dossor: One hundred per cent it will, particularly in fresh produce. Although a lot of information about unpackaged produce – fruit and vegetables specifically – has been published and research has shown it not to be impacted, a consumer being faced with a choice of packed or unpacked is subconsciously selecting packaged products. The responsibility we have as an industry is to ensure we are still doing all we can to make sure this packaging fits with APCO goals for a circular economy. There are many ways to develop packaging in this space that can go to kerbside collection. I hope as an industry, we use this time to keep that a primary focus. The industry, brand owners and major retailers have an even greater responsibility right now.

Carol Kilcullen-Lawrence: The essential aspect of food packaging is really in the spotlight – shoppers are seeking to ensure that the food they purchase is less likely to have come into contact with COVID-19 and a protective layer of packaging is now desirable compared to loose produce that has been handled. While I believe this shift of focus from so called "excessive packaging" to "essential packaging" is understandable, we should not lose sight of the opportunity to engage with the consumer and the instructions supplied by the Australasian Recycling Label are doing just that.

Alan Adams: Yes, safety and availability are now primary concerns which is a different focus on packaging from a consumer's perspective than of late. With COVID we believe that most consumers are looking at the retail shopping experience with a new focus on food safety. Contamination, handling in store, protection during transit and the unwrapping, safety of products arriving at home are all now being considered when in the past many consumers took these for granted. These concerns previously did not form part of the decision-making process for so many. Hermetically sealed packaging is now extremely attractive, plastics that enables us to see products but protects them from contamination are now attractive. The safety of reusable containers and bags is now in question. Placing the onus on cleanliness and eliminating contamination in the hands of consumers will deliver varying levels of safety. Efficient and effective packaging delivering products safely – the primary role of packaging – is back in focus.

Pierre Pienaar: Indeed, we have been turned upside down. I await with interest to see how the impact of the pandemic will change or influence the food buying habits of consumers. Consumers' needs have always driven the look of food packaging. The battle in the immediate future will be between extended shelf-life items and fresh produce; with fresh produce perceived as proving a threat to the consumers' health. Yes, consumers will expect safe food packaging. Whether their attitude towards the status of packaging being the "bad boy" changes or now, I am not convinced. I am hoping the pandemic, as well as ongoing education, will bring about a greater sense of responsibility within consumers for their own actions. In many countries around the world, and probably more in developed countries, we are seeing an uptake in meal kit subscription and home delivery services. Some countries tell me this service is busier than ever; leading to increased employment opportunities and greater demand for packaging that can cope with such a service.

Keith Chessell: Consumers have certainly become very aware during the COVID pandemic of the range of health issues around hand washing, cleaning surfaces and close contact with people. This awareness has changed consumers thinking about their view of packaging and especially the plastics packaging, especially when it comes to food purchasing decisions. Everyday COVID requirement changes have accelerated this understanding, like reusable coffee cups reverting to single-use cups, single-use bags replacing reusable shopping bags and the enormous quantity of single-use items of gloves, masks, clothing that are used once and then disposed (where and how hasn't been disclosed by the authorities). Although I am sure consumers understand the important role that packaging plays in protecting and preserving the freshness of the food products from the farm, through manufacturing/processing plants, to the store and to kitchen cupboard/refrigerator, the environment concerns have been pushing that understanding into the back of the minds. Will this changed attitude revert when we return to "normal" or "new normal"? I believe this will very much depend on ensuring future packaging design assists the consumer to recognise the protecting and preserving benefits and also assist them to know there are recycling, reuse options that will reduce and hopefully eliminate packaging ending up in the rubbish bin.

How important is the role that packaging plays in food safety and food integrity?

Dossor: Packaging plays a massive role; not only in food safety and

food integrity, but more so in food waste. Consumers are looking to minimise their trips to retail outlets for obvious reasons. Giving them a package that enables both food safety and integrity, as well as functions like reseal or reclose with tamper evidence and less plastic, is where we at Result are focusing our energies. These style solutions are available right now, they don't require large capital investment and tick all these boxes - as well as fit within APCO guidelines.

Kilcullen-Lawrence: Packaging plays a hugely important role in food safety and integrity. In the current climate however, I am still cautious about the virus potentially being on the surface of the packaging, particularly as it has been shown that it can survive for several days on non-porous surfaces. I have been combating this risk in a number of ways, including discarding some outer packaging layers before putting food in the pantry or fridge.

Adams: Vital! Packaging is the vehicle that ensures the consumer receives the product in the manner in which the producer intended. The core function of packaging is to protect and preserve product and to prevent damage of all types – including physical, contamination or interference. Packaging also plays a key role in authenticity. Take vacuum packaged meat as an example; the packaging is vital to ensure the safe and quality eating experience is delivered. Products like Darfresh vacuum packaging seals the meat in with intimate contact delivering extended shelf life by as much as 28 days, prevents any contamination and still allows the customer to "feel" and see the meat.

Pienaar: It would appear that Covid-19 will be directly affecting each of us positively or negatively, or both, for at least the next six to 12 months, if not much longer. What we may need to focus on is the packaging of fresh foods for supermarkets. Consumers will become sceptical about any food not wrapped, especially foods where the skin is usually consumed, such as fruit and vegetables. Packaging remains integral in the delivery of safe food. The so-called "Farmers Market" concept may suffer somewhat, initially, until they too take on board the safety element that packaging offers the consumer. Our challenge will be to strike the balance between possible additional packaging requirements in response to the impact of the pandemic while still considering the sustainable, demands from the same consumer.

Chessell: As mentioned previously, packaging has a critical role in protecting and preserving the quality, freshness of the food products from the farm through every stage to the consumer. But packaging is also recognised today for the important benefits it provides of extending shelf life, reducing food spoilage and waste. It provides important information on ingredient, nutritional, storage and recipes, as well as the convenience (portion control, easy opening, ready meals) that consumers are now requiring.

The packaging industry is playing such an important role at the moment during this pandemic. What changes are you seeing to the industry? Are you seeing shortage in materials and packaging? What else can be done to help the industry at this moment?

Dossor: Short answers is yes, increased volumes at a retail level with classic food service products being in such massive demand based on isolation closures. Having partners companies in Germany, Spain, UK and North America, Result Group is keeping close to see the trends it is facing. Typically, what is happening overseas is also happening in Australia. Lead times are being pushed out, as order in volumes are upwards of 200 per cent. Our challenge is to maintain supply of products with increased volumes for all retail based FMCG on the up. Result's approach has been to increase our volume holding as quickly as possible to ensure we support our customers. We cannot let customers down and that has meant additional investment in stock which is critical to the success of the current state of our supply chains in Australia.

Kilcullen-Lawrence: The importance of securing supply chains is critical as we navigate through the increased demand for packaging. Packaging that is manufactured in Australia has been desirable, to ramp up production to keep supermarket shelves topped up. I am noticing that panic buying is still a problem for some food lines.

Adams: The big impacts are staff safety and site security along with managing surge demand. Security of supply has risen sharply as a key concern up and down the supply chain. Having Australian production sites and international operations Sealed Air has managed very well keeping up supply even when demand for some lines jumped by more than 200 per cent. We have implemented a "Fortress mentality" at our production sites. We have put in place a range of measures to protect our staff and sites and there is a strong feeling of sense of duty to support the food and e-commerce industries who rely on us. There is a great feeling throughout the whole supply chain that we pull together in this time of crisis.

Pienaar: More than ever, packaging is playing an important role in the industry. Across the world, I am being told that all the essential related aspects of industry are busier than ever, packaging being one. Both in flexible and rigid plastics, factories are running 24/7 producing packaging components of some sort. One factory in India told me that they have no capacity for any development work as all hands are on deck producing around the clock. At this stage, customers of the converting industry can help by not placing orders for non-essential goods, until they can get on top of the demand. We, the end customer, need to understand and accept the status for now.

Chessell: It has been amazing to see the innovation and initiatives that many companies have undertaken to change production facilities to meet the additional medical and cleansing demands required to meet COVID requirements. Materials and packaging shortages have been initially impacted due to panic buying. It has been impressive to see the rapid response by producers and manufacturers to rapidly respond to this demand. Manufacturers and producers who are sourcing the packaging raw materials from overseas, have been immediately impacted by China's shutdown and then the flow on to countries around the world plus the closing down of most international transport arrangements.

The federal and state government support of our manufacturing industry has been an important step in keeping industry working and enabling the restarting of those impact industries after COVID. This includes the support programs via the JobKeeper Payment, assistance with energy bills, mandatory code of conduct for commercial tenancies to support small- and medium-sized enterprises (SMEs) and International Freight Assistance Mechanism. F

Packaging technologies boosting shelf life of essentials

Sealed Air has always been at the cutting edge of new packaging technologies. *Food & Beverage Industry News* looks at why some of these technologies are important now more than ever.

Making food last longer on the shelf has taken on an even more important role due to the effects of the COVID-19 pandemic outbreak. As we abide to self-distancing measures, it means a lot of people – especially the elderly and those more vulnerable to the virus – don't want to go out as much, including going shopping for food.

At the cutting edge of making longer shelf life possible – especially of meat products – is Sealed Air. The company has a range of packaging such as the Cryovac brand Darfresh vacuum skin packaging, which is designed to protect and make products last longer on the shelf, all while keeping food waste to a minimum.

"While packaging plays its role in product protection and shelf life, this can quickly come undone if temperature control across cold chain distribution channels are compromised."

Kevin Taylor, Sealed Air's portfolio manager – trays, films APAC has more than 25 years' experience in the packaging industry and said that Sealed Air is working with food processors and retailers to make the shelf life longer for these products.

"Processing, packing and distribution can consume three days of the available shelf life, even more for nationwide distribution," he said. "For retailers, maximising shelf life means a greater merchandising period, less food waste and profit erosion. The likes of our Cryovac brand Modified Atmosphere Packaging (MAP) formats have the capability of extending shelf life by up to 13 days, but this can be doubled via formats such as Cryovac brand Darfresh vacuum skin packaging"

Extended shelf life also means greater product access and reduced waste, while hermetic seals and tamper evidence ensures food safety. The tray design ensures robustness throughout the supply and distribution chain. It is these qualities that make plastic a good option when it comes to packaging food. Plastic packaging sometimes gets on the wrong side of environmentalists, but it is one of the best products to use when packing foodstuffs, according to Coles' senior structural packaging technologist Graeme Hawkes. Not only that, said the Adelaide-based Hawkes, plastic offers other properties that other packaging just doesn't have.

"Plastic is the only product that you can recycle back to their original content base and recycle in a never ending loop. Nothing else in the world will do that – not glass, not metals. They lose integrity every time you recycle," he said. "Another thing is, I've studied all sorts of different packaging for meat over the years, and the barrier properties of plastics can't be beaten. The only way you could beat it is if you buy an animal that day and slaughter it, take it home, and use it within two or three days. That is the only way plastic can be beaten.

"The supply chain and packaging requirements we use now, are 10 times more important than they were 40 years ago. But we want it to be the same as it was 40 years. Consumers don't see it that way. They go, 'I want this, and I want that, and I don't want plastic'. Realistically, without plastic, you haven't got a product."

Beyond shelf life, temperature control across the cold chain is critical for food safety. One such technology is Sealed Air's TempGuard.

"While packaging plays its role in product protection and shelf life, this can come undone if temperature control across cold chain distribution channels are compromised," said Taylor. "As we see a rise in more meal home deliveries, temperature assurance is essential to ensure product safety and solutions like TempGuard ensure temperature control for up to 48 hours."

As well as shelf life and being a barrier to unwanted germs and other nasties entering the food chain, manufacturers like Sealed Air are well aware of the peripheral concerns surrounding packaging.

"Our 2025 Plastics Pledge is really driving our research and development efforts," said Alan Adams, Sealed Air's sustainability director, APAC.

"Beyond shelf life and product safety attributes of Cryovac packaging solutions, the sustainable packaging guidelines underpin all packaging solutions. This means they're designed for efficiency across the supply chain. But it starts with being resource savvy, such as ensuring they are light weight and space efficient. It's about design that enables processors to maximise throughput all while yielding less processing packaging waste and food waste.

"End of life is a key design consideration. For example, Cryovac MAP polypropylene trays are fully curbside recyclable and comprise 8 per cent post-industrial recycled content. TempGuard comprises 80 per cent recycled content and is fully curbside recyclable."

"Solutions like HydroLoQ go beyond 'reduce' because the tray cell design has product purge elements, eliminating the need for the 750 million absorbent pads used across ANZ's fresh protein space each year," said Adams.

Plastics also have other areas where research is making headway. Hawkes said in the 30 plus years he has been involved with plastics,

the biggest change he has seen is in the lightweighting, which is due to consumers wanting less plastic and manufacturers wanting to reduce costs. But is a plastic still doing its job if there is less of it covering a product?

"It depends on the polymers," said Hawkes. "You have polymers that are good at being an oxygen barrier and you have some that are really good – manufacturers put an active barrier inside the polymers themselves that absorb residual oxygen to keep the freshness.

"There are some really fantastic technologies around some of the barrier properties around plastics. Thicker doesn't always mean better. Thicker just means heavier which makes it better for a MRF. It doesn't mean that it is going to be better for the product inside it."

In the current climate surrounding COVID-19, these plastic barriers are important. Taylor is also aware of issues around getting food to market quickly, and also that Sealed Air is learning lessons as supply chain issues unfold.

"Supply chain reliability is crucial especially when we need to respond quickly to unprecedented supply volumes. A rapid response means a local response," he said. "Think about the mince beef situation. When consumers hit the panic button, it affects the entire supply chain and without packaging, our food supply chain is compromised. Our Cryovac trays are locally produced in Tullamarine, Victoria so we've been able to react quickly and ramp up supply to our customers and interstate warehouses for next day delivery.

"While local supply chains are crucial, so is collaboration. We've worked closely with our customers and retail partners to ensure we are putting packaging resources into the appropriate areas to ensure we fulfil product demand.

"It's a real example of the industry working in collaboration – all while keeping employees and communities safe.

"Mince trays have been our single biggest growth area. Minced beef is a high turner over product anyhow but panic buying saw tray volumes increase four-fold. We need to ensure we are prepared for the next thing and there will be lessons learned for the entire food industry, in particular, local supply. Kudos to front line workers and to all involved in Australia's food supply chain. The provision of safe food and continued nutrition during this time is paramount and through strong collaboration and in a true Aussie spirit, we are 'getting on with it'." F

Plastic coverings provide an effective barrier for on-the-shelf meat.

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