BECOME A MEMBER OF IOM3

The Institute of Materials, Minerals and Mining has relaunched its membership scheme to offer a whole new host of benefits to individuals, organisations, schools and students.

So whether you’re looking for career development opportunities, networking events or access to technical advice from experts this relaunched membership package can offer exactly that.

To discover all the benefits of becoming an IOM3 member visit:

www.iom3.org/benefits-membership

STAY CONNECTED

*Find The Packaging Society on Social Media...*

Twitter: @ThePackagingSoc

LinkedIn Group: Search ‘The Packaging Society’ or use the link:

https://www.linkedin.com/groups/2721252/
The Packaging Society is going through a time of transition and development, to create an organisation that can provide value and support for members across the packaging industry.

The creation of the new TPS Board is in process. Here we introduce the Chairman and Vice Chairman of TPS. Please get in touch if you would like to join the team. We are looking for people involved across the packaging industry, that can use their skills, expertise and connections to help TPS to flourish and become a truly global organisation, focused on the future of packaging.

Chairman of TPS - Ian Davis

Ian has been a member of the Packaging Society (previously the IOP) for over thirty years. He is one of the few members who joined the society due to his involvement as a paperboard manufacturer. He worked for the Stora group in the UK for 25 years, rising to the position of Mill Manager.

For the past 18 years Ian has run his own companies covering consultancy and extensive lecturing in packaging and papermaking. His most recent company in his portfolio is as a training provider for Corrugating Apprenticeships, delivering the Technical Certificate courses.

Ian has a BSc degree in Paper Technology, is a Fellow of the Institute and Chairman of the Scottish Packaging Society.

Vice Chairman of TPS - Kevin Laughton

Kevin is Co-Founder and Consultant at I-CON INTERNATIONAL an independent packaging consultancy focused on digitally integrated packaging.

Kevin provides effective direction for packaging services across all types of print processes for many brands and retail clients. These are all aligned with creative thinking and a desire to make a difference in an ever changing environment.

Having worked for some of the largest and high profile service providers globally, Kevin's intention is to emulate positive and stand out learning’s from these companies, ensuring that Kevin and I-CON, deliver simple but effective solutions within packaging supply chains.

Kevin joined the society over 10 years ago and is now Vice Chairman of The Packaging Society. He has been in the Packaging industry for 36 years and still highly passionate! One of his main motivators is ‘change’ and how the packaging industry adapts to ensure ‘best practice’ is achieved seamlessly.
Got a problem with your packaging?

Bring it to the surgeons at the Packaging Consultancy Clinic to get the perfect solution!

The Packaging Consultancy Clinic is back to offer you the chance to get one-to-one, expert advice on any aspect of your packaging. If you have a problem, just book an appointment in advance and come along to speak to one of the leading experts recruited by The Packaging Society to get free advice on solutions.

Pre-booking is advised, so book online and visit us on stand J53.

www.easyfairs.com
Register for free - www.easyfairs.com/PIUK

The BIG Plastics Debate at Packaging Innovations

28 February 2018

Following the huge surge in public interest, government action and media scrutiny over sustainable packaging and plastic waste, the packaging industry finds itself at an unprecedented nexus. The BIG Plastics Debate at this year’s event, Packaging Innovations (Inc. Ecopack and Contract Pack), Empack and Label&Print 2018 will give food brands and retailers the solutions and the insight to utilise the upcoming opportunities to benefit their brand, the business, and their environment.

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>15.00 - 15.05</td>
<td><strong>Introduction</strong></td>
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<tr>
<td></td>
<td>Josh Brooks, Business Development Director - Packaging, Easyfairs</td>
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<tr>
<td>15.05 - 15.30</td>
<td><strong>The Government’s 25-year environment ambitions</strong></td>
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<td>Martin Kersh, Executive Director, Foodservice Packaging Association</td>
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<td>15.30 - 16.10</td>
<td><strong>Iceland: our plastic-free own-label future</strong></td>
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<td>Ian Schofield, Own-Label &amp; Packaging Manager, Iceland</td>
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<td>16.10 - 17.00</td>
<td><strong>Panel session: How food retailers and brand owners are responding to the plastics challenge</strong></td>
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<td>Hosted by: Josh Brooks, Business Development Director - Packaging, Easyfairs</td>
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<td>Martin Kersh, Executive Director, Foodservice Packaging Association</td>
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<td>Panellists:</td>
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<td></td>
<td>Iain Ferguson, Environment Manager, Co-op</td>
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<td>Nick Brown, Head of Sustainability, Coca-Cola European Partners</td>
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<td>Shane Monkman, Head of Procurement, Packaging &amp; Operations, Asda</td>
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<td></td>
<td>Kevin Vyse, Senior Packaging Technologist &amp; Circular Economy Lead, M&amp;S</td>
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<tr>
<td>17.00 - 17.15</td>
<td><strong>Audience Q&amp;A with the panel</strong></td>
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News of the IOM3 Training Academy On-Site Diploma Course 2018

5th to 7th February 2018

By Ian Davis, Chairman of The Packaging Society

This year the On-Site Diploma course students have just finished their second tranche of lectures which was held in the spectacular scenery of the Northern Lakes near Carlisle.

Day One, Iggesund Paperboard, Workington

The great thing about the on-site courses is that they are held at appropriate venues to match the topics. So, they started off in Workington at Iggesund Paperboard where they manufacture some of Europe’s highest quality, Coated Cartonboard.

As newly elected Chairman of the Packaging Society, I led the lectures for the three days. I’ve had a long career as part of the packaging industry with a focus on Paper and Board. I understand the traditional methods for making paper and board, having worked in the industry for over 40 years and I’m a passionate leader of new technologies with my own patents and inventions used widely.

The first day was a long one as the lectures covered the morning and some of the afternoon, then everyone was treated to an amazing Mill Tour round the Iggesund site.

The tour started with an overview of the mill, gained by ascending the tower containing the new Bio-fuel boiler. The site now generates all its own power which gives them a tremendous advantage as energy costs have closed down so many of our mills in the UK. From the top of the tower you could see the whole process laid out below.

TPS EXPERTS OF THE FUTURE
The start of the process is the log yard, followed by the debarking plant and chipping units. The wood chips are then ground up to make pulp, the main ingredient of the cartonboard.

The machine itself is huge, approximately 200 yards long contained in a huge purpose built building. As you can see in the first photo, the students were dwarfed by the size of the machine!

Once the sheet has been formed at the ‘wet end’ it is pressed to take out half of the water, before going into the dryer section, some 70 steam heated steel cylinders which the semi dry sheet winds its way through.

Two thirds along the machine there is the vast MG drying cylinder. MG stands for Machine Glazed and helps provide a smooth surface to take on the pigmented coating for top quality printability. The picture below shows the cylinder which weighs about 150 tonnes.

The reels coming off the machine are pretty large as well, weighing in at about 20 tonnes each.

Once the machine reel is produced it goes through slitting and sheeting processes to meet customer requirements.

Such was the interest and questions from the students, it was after seven o’clock in the evening before we left the site. A long but very worthwhile day with lots to remember!

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Day Two, DS Smith, Lockerbie

Day two saw a lot of snow on the ground but the run up the M6 and A74 to Lockerbie was thankfully all cleared.

Why Lockerbie? Lockerbie is the location of DS Smith where they produce Corrugated packaging, specialising in Litho Laminated Corrugated.

As with Iggesund, the students were provided with fantastic facilities, taking over the Board room for the day. We had similar format with lectures during the morning, followed by a delicious lunch and an extended site visit in the afternoon. Again, an amazing process where the students saw how the corrugated is made from paper passing through the corrugating units and the resulting fluting material (the wrinkly bit!) then being glued with starch to the liner paper. This is a single face sheet which is then glued to a litho printed liner paper using PVA adhesive applied to the flute tips before being brought together to form a single wall sheet.
At Lockerbie they carry out high quality litho printing and coating on the printing presses. This process was also demonstrated to the students which will be useful knowledge prior to their printing lectures later in the course.

The final part of the process saw the cutting and creasing and inline gluing operations before the finished cases were palletised ready for despatch to their customers.

So, two successful days thanks to the hospitality and generosity of two companies supporting our education and training initiatives.

**Day Three, Futamura - Innovia Films, Wigton**

How to top that? Well, day three was time for something completely different. We headed to Wigton, halfway between Carlisle and Whitehaven. There, you will find a spectacular factory site, home to Innovia films part of Futamura; where they make Biaxially Oriented Polypropylene and Cellophane films, respectively.

As a Papermaker these processes were completely new to me, so it was amazing to go up the Tower to see the start of the Polypropylene extrusion process which results in a giant elongated bubble about 20 feet long and eight feet wide being blown. Gravity means that it hangs down below the extrusion circular orifice and it is drawn down. At the bottom it goes through a ‘V’ section which flattens the bubble into a wide ribbon which can be laminated together or wound into two separate films. The use this method to make the new plastic bank notes. As I said, totally amazing!

The last part of the tour took in the operations of Futamura where they cast cellulose films from dissolving pulps. The pulps are dissolved in Caustic solutions to form a viscous solution then the liquid pours out of a blade slice into Acid where the film becomes fixed. A bit of a strong smell in that bit but then the film is drawn through a series of baths which neutralise the chemicals until the film is perfectly clear. A process which uses natural ingredients, pulp, and ends up with a biodegradable film. What a wonderful film for recyclable packaging!

In summary, the Diploma students had three days of theoretical packaging materials and techniques, integrated with valuable practical experiences seeing and understanding three major processes which contribute a large part of our packaging industry.

The interest, questions and feedback from the students was fantastic and made an educational trip truly inspiring!
CERTIFICATE IN PACKAGING

COURSE INFORMATION

The course consists of a mandatory unit taught in class or online and assessed by examination, followed by a student’s choice of further units from the twelve on offer, which are taught online and assessed by written assignments.

PIABC is the awarding body that accredits this qualification and further information is available from the PIABC website www.piabc.org.uk

5 - 8 March, 2018 followed by online learning
8-11 October 2018 followed by online learning

ONLINE Certificate in Packaging

What’s in it for me?
The Certificate in Packaging provides a level of insight and understanding of the packaging industry that adds real and measurable value to careers and businesses.

Who is the course for?
Delegates to the Certificate in Packaging come to the course from a variety of areas with 3 - 12 months experience. You may be embarking on a career within the industry and looking for the training that will provide you with a solid bed of information that you can build on.

CORE UNITS (8 CREDITS)
The Certificate comprises a mandatory core unit, assessed by examination, along with 12 optional units, of which students have to submit assignments to gain the Certificate in Packaging. This consists of five parts:
1. Understand the role and functions of packaging.
2. Understand the major packaging materials and how they are combined to form packaging components.
3. Understand the packaging development process.
4. Understand packaging costs and quality systems.
5. Understand the relationship between packaging and the environment.

OPTIONAL UNITS (8 CREDITS)
Candidates then select a further three or four option units for online study from the following list to complete their certificate (must add up to 8 credits):
- Packaging Legislation, standards & regulations. 3 credits.
- Packaging Line Operations. 2 credits.
- Packaging and the hazards of storage and distribution. 2 credits.
- The relationship between packaging design and marketing. 2 credits.
- The properties, manufacture and use of paper and carton board as packaging materials. 3 credits.
- The properties, manufacture and use of rigid plastic packaging. 3 credits.
- the properties, manufacture and use of flexiable packaging materials. 3 credits.
- the use of printing and decoration for packaging. 3 credits.
- The use of labelling and coding for packaging materials. 2 credits.
- The properties, manufacture and use of corrugated board in packaging. 3 credits.
- The properties, manufacture and use of rigid metal in packaging. 3 credits.
- The properties, manufacture and use of glass in packaging. 3 credits.

IOM3 Training Academy is a service of IOM Communications Ltd. Packaging courses are developed in conjunction with and endorsed by the Packaging Society, a division of the Institute of Materials, Minerals & Mining.
TPS & IOM3 EVENTS

21 February 2018 (IOM3)
IOM3 Materials Protecting the Environment #materialsprotect
IOM3 Headquarters, 297 Euston Road - Central London
The second event in the Materials Protecting Society (MPS) Seminar Series. Organised by the IOM3 Sustainable Development Group. Find more information on the IOM3 website.
Contact Chiara Brooks - Email: chia.brooks@ioms.org

22 February (TPS & IOM3)
Starpack Awards
Winners will be announced and published on the Starpack website - www.starpack.uk.com

28 February and 1 March 2018 (TPS & IOM3 at Easyfairs PI 2018)
Packaging Innovations 2018
NEC Birmingham
TPS - Stand J53
Meet the team and get advice regarding your packaging.
Book your appointment with one of our packaging experts - www.easyfairs.com

12 - 13 March 2018 (IOM3)
Materials and Research Exchange 2018
Business Design Centre, 52 Upper Street, Islington, London
Supported by IOM3. The 2018 Materials Research Exchange & Investor Showcase will present the richness of UK materials research and innovation, providing an ideal stage to absorb current trends and take a glimpse of future innovations and investment opportunities.
Contact Kirstie Armsworth - Email: kirstie.armsworth@ktn-uk.org

15 March 2018 (IOM3)
Future Trends for Adhesives and Adhesion: From Biomimetics to Space Applications
Society of Chemical Industry, 15 Belgrave Square, London, SW1X 8PS
Organised by the Society for Adhesion and Adhesives, part of the IOM3 Surface Engineering Division. This one day seminar considers some of the more recent developments relating to adhesion and adhesives.
Contact David Tod – Tel: 01959 514492 / Email: datod@qinetiq.com

Information regarding upcoming events continues over the page...
16 May 2018 (TPS & IOM3)
Permeation and Barrier Materials Learnshop
Heywood, Lancashire, UK
The Permeation and Barrier Materials Learnshop is organised by RDM Test Equipment in association with The Packaging Society.
Contact RDM Test Equipment Ltd. for more information and book tickets on Eventbrite

21 May 2018 (L&SEPS - Local TPS)
The Fellows Lunch
Royal Airforce Club, 128 Piccadilly, London
Tickets - £55 for TPS members / £65 for non-TPS members
Contact Barry Jones - Email: wbarryjones@mac.com / Tel: 07973 512258

5pm - 7pm, 4 July 2018 (NEPS & L&SEPS - Local TPS)
Experts of the Future Seminar
IOM3 Headquarters, 297 Euston Road - Central London
Tickets - £10 (Book tickets on Eventbrite)
TPS is holding a range of events focused on developing the Packaging Experts of the future.
• Learn more about the packaging industry from packaging experts.
• Develop professional connections.
• Access education and industry awards.
Contact Lauren Whittaker - Email: Lauren@weareicon.co.uk / Tel: 07834 761360

6.30pm - 10.30pm, 5 July 2018 (NEPS & L&SEPS - Local TPS)
The Thames River Cruise - The Networking Event for Packaging People
Boat - MV Jewel of London / Pier - Westminster
Tickets - £49 (Book tickets on Eventbrite)
Ticket price includes entry to the event and a BBQ/Buffet meal. Please confirm any special dietary requirements at time of booking.
Contact Lauren Whittaker - Email: Lauren@weareicon.co.uk / Tel: 07834 761360

Find more information regarding news and events online:
www.packagingsociety.org.uk
www.iom3.org/packaging-society
Twitter - **TPS**: @ThePackagingSoc  /  **IOM3**: @iom3
CONNECT AND INSPIRE

www.packagingsociety.org.uk

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