



WISHING ALL OUR MEMBERS A

MERRY
Christmas

AND A PROSPEROUS NEW YEAR



**IMF
AWARDS
2018 - 2019**

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As we all look towards a refreshing Christmas and New Year holiday, I hope we can look back on 2019, and forward to 2020 with a bit more confidence, following the results on the General Election earlier in the month.

Whatever our individual political leanings, I think we can all be thankful that we no longer have a “hung” parliament, so that actions required to move the United Kingdom forward can take place without any more delay.

It now looks certain that the United Kingdom will leave the European Union on January 31st in 2020, and that all negotiations on how the relationship between the two parties works will be concluded by the end of next year.

Independent upon our personal views as to whether Brexit will be good or not, I think we can all give a sigh of relief that the debilitating uncertainty of the last few months is over!

We must all now look to how the coming divorce and all that ensues affects not only our businesses but also ourselves, but I think it is encouraging that the business and currency markets have responded positively to the news.

Through the Cross-Sector group, I will continue to monitor our Government’s response and involvement with REACH, but I expect it will be well into the first quarter of 2020 before we start to get a clearer picture. Those of us who came to the AGM in November, will have heard the excellent presentation from Ellen Daniels, who was the chair of the Cross-Sector group, on the activities of the group and its interface with Government. Ellen has now moved on to higher things, but the group will now be chaired by Peter Godfrey, who has an immense knowledge of REACH.

I would like to welcome our new President Karl Ryder, and his Vice-President David Neal to our team; I look forward to working closely with them, as I know our Treasurer Nick Johnson does, to move our Institute “onwards and upwards” over the coming years!

I would also like to thank our past President Barry Gay for all the work he has done for the IMF over the past 10-15 years. Having worked with him when I was President and he Secretary General, and when we “swopped” roles, I can say he has been a great character to be involved with, with the Institute in his heart, and that our “falling outs” were few! I know he will continue to offer advice on the running of the Institute for the next few years in his role of Immediate Past President!

I deliberately delayed putting this column together until I knew of the outcome of the election (in spite of the usual chasing by Helen!) so you won’t have received IMFormation until the new year! Please therefore accept my belated wishes for a Happy Christmas and a happy, healthy and prosperous 2020.

Graham Armstrong
December 2019



AWARDS 2018-19

Silver Award

The award is made to any member of the IMF who is deemed to have given extraordinary voluntary service to the IMF.

The award was made to J Burgess



Canning Bi-centenary Medal (Sponsored by MacDermid plc)

This award is for the best practical papers published in the Bulletin section of Transactions.

The Medal was awarded to – CM Whittington and W Y Lo



Jim Kape Memorial Medal

This is presented from time to time for a paper of significance in the field of aluminium or other light metal finishing and published in Transactions.

The Medal was awarded to A.M.Vilardell, N.Cinca, I.Pacheco, C.Santiveri, S.Dosta, I.G.Cano, J.M.Guilemany, M.Sarret and C.Muller



Connie Sieff memorial Award

This award is for meritorious service to the surface finishing industry internationally.

The award was made to Wolfgang Hansal



Pexa Organic Award (Sponsored by Pexa)

Awarded to
Bulent Tepe



Best foundation student

Awarded to
Ryan Mannion



Gold Medal

This award, the highest accolade given by the institute, for outstanding scientific or technical achievement relevant to the objectives of the institute.

The award was made to R S Briggs



Hothersall Memorial Award

This award is given to an individual in recognition of their outstanding service to the materials finishing industry. The recipient of this award presents the Hothersall Memorial Lecture either at the AGM or at a Conference.

The award was made to Professor Emma Kendrick

Best technician student

Awarded to
Thomas Statham



The Westinghouse Prize (Sponsored by IMF)

This award is for the best paper published in Transactions, that has shown the most valuable development in the science and practice of electrochemistry in general and electro - deposition in particular.

The award was made to J C Puipe



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MATERIALS RESEARCH EXCHANGE 2020



MATERIALS RESEARCH EXCHANGE

REGISTER TODAY FOR THE MUST-ATTEND MATERIALS EVENT OF 2020

With just over 2 months to go until Materials Research Exchange 2020, things are shaping up to ensure that MRE 2020 will be the must-attend materials event of the year. MRE 2020 is an exhibition, investor showcase and conference, which will demonstrate ground-breaking new materials developments and their manufacturing processes. Network with over 1500

delegates, meet key funding, investment and decision makers and attend targeted seminars and keynote addresses. Taking place on 19th & 20th February 2020 at the Business Design Centre in London, the event is organised by KTN and Innovate UK and will showcase the wealth of UK materials research. The Institute of Materials Finishing is a Prize Sponsor.

While at the event you'll be able to hear from some of the country's leading innovators and investors, where current trends will be showcased as well as taking a glimpse at future innovations. The event is a must for anyone working in materials, though it is also relevant to a much wider range of sectors, providing a forum for interaction between industry, researchers and policy makers from a range of disciplines and market sectors.

If you'd like to find out more information on MRE 2020 please visit <http://www.materialsresearchexchange.co.uk>



MATERIALS RESEARCH EXCHANGE 2020

18th - 20th February 2020
Business Design Centre | London

MRE 2020 is an exhibition, investor showcase and conference, which will demonstrate ground-breaking new materials developments and their manufacturing processes.

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- Training on how to be pitch-ready to present your case to investors.
- Extensive exhibition from academia & industry representatives - build links within the materials supply chain by networking with 1500+ delegates.
- Keynote speeches from:
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 - Dr. Ian Campbell (Interim Executive Chair at Innovate UK)
 - Dr. Alicia Greated (CEO, KTN)
 - Prof. Philip Withers (Regius Professor for Materials, University of Manchester)
 - Simon Edmonds (Deputy Executive Chair/Chief Business Officer, Innovate UK)

Book your place: materialsresearchexchange.co.uk

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INDESTRUCTIBLE PAINT



LATEST INDESTRUCTIBLE PAINT INNOVATION BRINGS PERFORMANCE AND ENVIRONMENTAL BENEFITS

A new chrome-free diffusion aluminium coating has now been developed by specialist coating manufacturer Indestructible Paint Ltd. that is set to offer both performance and environmental gains. Two-part CFIPAL is free from hexavalent chrome at all stages of processing and use and has been developed to be of particular relevance to manufacturers of industrial and aerospace gas turbines, meeting the requirements of the REACH regulations.

"We have worked closely with a worldwide, UK-based gas turbine manufacturer in the field to develop this latest innovation," says Brian Norton, Managing Director of Birmingham-based Indestructible Paint. "The product is now undergoing detailed, practical evaluation and testing with a focus on high temperature performance alongside stress and crack detection. We are delighted that the product is proving its performance with excellent stability."

The development of CFIPAL has focused on whether new compositions can bring additional benefits to the market by further reducing environmental impact and improving service life. Consequently, the assessment includes a review of new production routes compared to existing processes to evaluate the full environmental impact of the new coating.

"Our industrial partners will gain economic benefits from their diffusion products which we anticipate will ultimately be incorporated into gas turbine engines for many years," continues Brian Norton. "End users of the technology will

also gain an economic advantage by being supplied with low cost, reliable parts."

Indestructible Paint highlights a key social benefit in terms of both personal health and safety of workers within the supply chain and the elimination of the risk of hexavalent chrome being released into the environment.

CFIPAL focuses in particular on providing corrosion protection from dirty fuel and air contamination during operation while, at the same time, preventing high temperature corrosion and oxidation. It is seen by the company as a major step forward and one which clearly promises both environmental and commercial advantages.



IPAL IP1041

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LABORATORY TECHNICIAN RECEIVES SURFACE FINISHING AWARD

OUTSTANDING ACHIEVEMENT
RECOGNISED FOR INDESTRUCTIBLE'S
LABORATORY TECHNICIAN



Indestructible Paint's Laboratory Technician, Ryan Mannion, was awarded a 'Best Student at Foundation Level' Award from The Institute of Materials Finishing (IMF). Ryan, who achieved a distinction on completion of the IMF Surface Finishing Foundation Level course, was recognised for gaining the highest marks when compared with all other participants of the course this year. The occasion was marked by an awards ceremony as part of the IMF's Annual General Meeting at the Cobden Hotel in Birmingham.

Indestructible Paint have a long history of working closely with the IMF, who are internationally recognised as the "premiere source of expert knowledge on all aspects of metal finishing, coating and surface engineering technologies", to provide technical training and skills development for our staff.

The Foundation Certificate, which has been undertaken by many of the staff at Indestructible, provides an opportunity to gain a deeper understanding of surface finishing and related technologies, improving knowledge of the processes operated within the company.

"We believe that the nature of our work calls for an excellent understanding of a wide range of technical factors at every level, so we have taken the step to broaden this knowledge across our full workforce as part of our commitment to Continuous Professional Development," says Indestructible Paint's Sales & Technology Mentor, Graham Armstrong, who is also Secretary General at the IMF.

Brian Norton, Managing Director at Indestructible adds, "We are committed to helping all of our employees to develop their skills and understanding and the IMF course is an excellent means of achieving this to the benefit of our staff and customers alike."

The course consists of 2 pieces of course work and a final exam covering 12 units, demonstrating the full commitment from those taking part and the extraordinary achievement of Ryan in gaining the highest marks from participants across the country.

What is GWP and how can it be reduced?

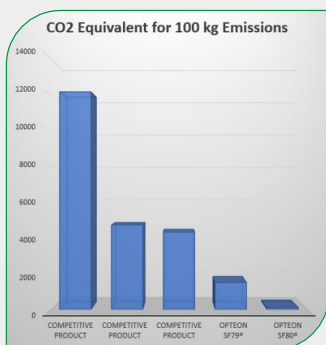
What is GWP?

One of the methods for measuring the impact a gas will have on the atmosphere is Global Warming Potential (GWP). GWP is used to represent the equivalent of CO₂ being released into the atmosphere, where 1kg of CO₂ = a GWP of 1. For companies manufacturing gases, and for those purchasing and using them, it is critical to manage environmental impact by keeping the GWP as low as possible.

How can cleaning solvents help?

Cleaning solvents were historically guilty of very high GWP and had seriously detrimental effects on the atmosphere. However, a new generation of solvents has been developed specifically with the environment in mind and are now far less harmful than comparable solutions.

For example, the new Opteon™ SF80® cleaning solvent from Chemours has an ultralow GWP of less than 2.5, compared to common F-gas solvents that can have a GWP of up to 11,000. Because the solvent is just as effective, and in some cases more efficient than other new generation products, the environmental savings mean it is an ideal replacement.



Reduce costs, reduced carbon footprint

A project recently undertaken by Fraser Technologies demonstrates how advantageous this change can be. One of our customers - a prominent aerospace manufacturer - asked us to look at an alternative to the high-GWP solvent they were using.

Previously they had been using 7 Metric Tonnes per year, and this change of solvent has taken the customer's overall usage of solvent down by 28%. While the existing product was less expensive than SF80®, the reduction in solvent usage has shown a significant cost reduction of around £30,000 per year as well as a significant reduction in CO₂ equivalent emissions.

We need to act now

The statistics are alarming - 18 of the 19 warmest years on record have occurred since 2001. When you consider that this can be almost exclusively attributed to harmful gases in the atmosphere, there's really no excuse for not taking action and making improvements where possible.

When more environmentally-friendly solvents exist, which yield the same results, making a change becomes one of the easiest ways to play your part in protecting our Earth.

To find out how Fraser Technologies could help you to reduce your costs and also your carbon footprint please contact us.

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HMG PAINTS WIN CORPORATE SOCIAL RESPONSIBILITY AWARD



Family Business, HMG Paints Ltd win the Corporate Social Responsibility Award at the 10th annual British Coatings Federation Awards evening. This is the second time HMG have taken home this award since the CSR Award's inaugural year in 2017.

Held at the Radisson Blu Hotel, East Midlands Airport, the evening saw a record number of entries for each award category with new categories launched including Apprentice of the Year in which Shannon Williams of HMG Paints Ltd was a finalist amongst other impressive entries of rising stars in the industry.

As the UK's largest independent paint manufacturer, encouraging personal development has always been fundamental to HMG's culture and growth. From BTEC's in Applied Sciences to Degree level Business Apprenticeships, the programmes pair up a wide variety of roles across the business including Business Administration, R&D and Product Manufacturing, where apprentices can put their

theory, in to practice at HMG Paints' Headquarters in the industry.

Corporate Social Responsibility is at the heart of HMG's culture and the business continue to improve on efforts to support the local community and charities, involving the whole company in activities to raise vital funds and support worthwhile causes. "We are astonished to have won this award for the second time, and against such tough competition. It is great to see the industry making their mark and focusing heavily on Corporate Social Responsibility. We are humbled to be recognised above the rest in this area." Said Gracienne Ikin, Digital Sales and Communications Manager, HMG Paints Ltd.

HMG Paints Marketing Manager, Stephen "Paddy" Dyson was a finalist on the evening in the Young Leader of the Year category for this continued dedication to the development of peers and his efforts launching a digital transformation of the family business. Stephen has worked at HMG since leaving school coming up to 16 years of service. This year Stephen became the youngest, non-family member of the Senior Management Board.

This win follows the recent success of HMG Paints Ltd winning the Business of the Year at the Manchester Evening News Awards and Finance Director, Candice Brett, who was named Finance Director of the Year at the North West Finance Awards.

To read more about the full list of winners from the British Coatings Federation Awards evening visit <https://www.coatings.org.uk/article/british-coatings-federation-announces-winners-of-10th-anniversary-377.aspx>

If you require further information on the press release, please contact:

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0161 205 7631

HMG Paints Ltd is a family owned business situated in Manchester. Now the UK's largest independent Paint Manufacturer, HMG are proud to work alongside customers to create the very best individual service and tailored solutions for them. With a broad spectrum of knowledge and expertise HMG boast a portfolio including wet paint, powder coatings and aerosols, covering virtually every type of surface imaginable. This is all backed by an extensive 89 years' experience in developing pioneering coatings for a myriad of industries including; industrial, specialist industrial, automotive, commercial vehicle, defence, aerospace, wood finish, decorative, arts & craft, marine and rail, we have a drive to set the standards for the industry not just meet them.



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