



# information

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**2016**

**11-15 April**

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## Practical Training

The Institute of Materials Finishing will be on hand to discuss our recently announced practical training workshops to cover both paints and powder coatings and plating systems.

The practical training workshops have been designed to offer an insight into the best and most efficient ways to apply surface coatings, be it paint or powder, or plating systems so that the finish required can be achieved in the most cost efficient way.

Throughout the show, industry experts will be on hand to discuss your specific training needs, be it simply to best way to apply coatings through to detailed chemistry and engineering of materials finishing.

## Ask the Expert

As at all shows we provide help and advice on a wide range of topics from our many professional members and their immense knowledge of the industry. This has proven to be a very well appreciated service and is always very busy.

## IMF Launch Practical Training Workshops

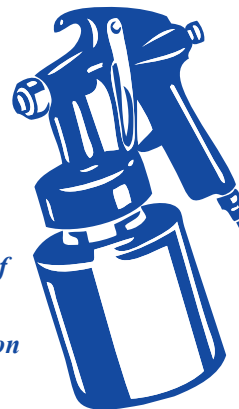
Over the past few months, the IMF have received a number of requests for practical training workshops to cover the application of surface finishes, most specifically aimed at paint and powder application.

Such training falls outside our normal offering of foundation and technician courses which deal more with detailed knowledge of the science behind surface engineering and finishing. This makes these courses more suited to laboratory staff and technicians rather than operatives.

To meet this new need, our organic finishing group committee, working closely with our education and training group committee have devised courses for both the application of wet finishes and powder coatings.

The courses are designed to be run over one or two days, depending upon the number of attendees, and will feature both theory and practical sessions, and will include:

- *A basis of paint and coatings technology*
- *Why paint and/or powder is used*
- *Technical characteristics of different types of coatings*
- *The theory of paint and/or powder application*
- *Basic details of application equipment and its care*
- *Personnel protection and Health & Safety*
- *Detailed application information for any required specific products*
- *Practical application instruction in a spray shop or applications laboratory*
- *Simple quality control and evaluation of the applied coatings*



The courses are designed so that they can be held either at the clients' own facility, or within a training/ applications laboratory, situated at one of two sites in the West Midlands. However, we anticipate that, wherever possible, the courses will be held at the clients premises, where specific issues with the coating of the clients own components can be addressed.

The attendees will be provide with a fully documented training manual, with space allowed for attendees to make notes as the course progresses.

On successful completion of the course, attendees will be issued with a certificate of attendance which documents their capability to understand the technology and application parameters of paints and powder coatings.

*For further details, costings and the next planned course, please contact Helen or David at the IMF office on 0121 622 7387 or [helen@materialsfinishing.org](mailto:helen@materialsfinishing.org) or [david@materialsfinishing.org](mailto:david@materialsfinishing.org)*



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## IMF Annual General Meeting 2015

Our annual general meeting for 2015 took place on Thursday 26th November at a new venue for us, the Hallmark Hotel Birmingham Strathallan. The change of venue was as a consequence of the Birmingham Medical Institute no longer being able to offer their facility, but all agreed the new venue to be a success, with an added benefit of lower costs!

The morning session, again ably chaired by Kirsty Worthington from the M&M committee, featured two presentations; Susanne Baker from Tech UK, and Professor David Gabe from Loughborough University.

Susanne Baker spoke about REACH registration 2018; the business risks, which considered various scenarios concerning the registration of low volume chemicals in accordance with the REACH regulations. The presentation engendered a lively discussion, and I think those present will now have a better understanding of the requirements before the fast approaching deadline.

David Gabe gave the "Hothersall Lecture", and treated us to a lively and thoroughly interesting talk on "Tin; the start and end of a career"! In this he detailed many of the events of his extremely varied career both in industry and academia, and his "love affair" with Tin (not to mention organs)!

Following a splendid "first of the year" Christmas lunch, we had our awards ceremony and the formal business of the day, the annual general meeting. Barry Gay and Alan Koch were re-elected as secretary general and treasurer respectively, and our president Graham Armstrong thanked the board and members for their great support over what has been a difficult personal year. There being no further business, the meeting closed at 3.00pm.



## Health and Safety Blog by Malcolm Griffiths

The HSE has released health & safety statistics for Great Britain for 2014/2015. There is greater emphasis on occupational health than in previous years.

For example, during the 12 month period, 16 people were fatally injured at work yet 13,000 deaths were attributed to work-related factors. Of those, approximately 65% were due to cancers and 30% to chronic obstructive pulmonary diseases (COPD). This emphasis is a declared part of the HSE's strategy - one I particularly agree with!

See [www.hse.gov.uk/statistics/index.htm](http://www.hse.gov.uk/statistics/index.htm)  
With a breakdown by industry at:  
[www.hse.gov.uk/statistics/industry/index.htm](http://www.hse.gov.uk/statistics/industry/index.htm)

## Health Issues - Legionella

Do you use water to cool down any processes in your engineering plant? If the answer is yes, you may well have water cooling towers and you will need to ensure that you are managing the risk from exposure to legionella bacteria, which can lead to Legionnaires' disease.

Outbreaks occur from exposure to legionella growing in systems where water is maintained at a temperature high enough to encourage growth, such as cooling towers and evaporative condensers. For more information on controlling Legionella visit HSE's Legionella Webpages.

Two companies were fined recently for failing to manage risks from legionella bacteria. Details of these prosecutions can be found by reading the relevant press releases below. A Newport steel company fined and A Midland's coatings firm fined.

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## Dalic, leader in selective metal plating partners with Pexa for its UK & Ireland Distribution.

Dalic has been a leader in selective electroplating of metals since 1937. They produce an array of solutions for anodising with chromic and sulphuric acids and plating with zinc, nickel and cadmium. These can be applied using Dalic's portable equipment including the Dalistick Station which allows plating to be carried out in situ at any industrial premises. This allows for the restoration of metal plating in maintenance and repair situations and in the OEM situation when large scale electroplating tanks are not available. Dalic has approvals from most of the major aerospace design authorities and several automotive manufacturers.

Pexa is the leading distributor of surface coatings and treatments to the aerospace industry. From its new facilities in West Yorkshire UK Pexa's team delivers a complete range of surface finishing materials and equipment to its many customers in the aerospace and other high tech industries.



Dalic has entered into an exclusive distribution agreement with Pexa for the supply of its product range in the UK & Ireland. The new deal has a great synergy as the two companies both specialise in surface treatment materials with a strong position in aerospace industry. Dalic has an excellent technology base with an impressive list of approvals for its products whilst Pexa has a great reputation and an infrastructure that can support the sales, distribution and technical support of the Dalic product range. The new agreement will allow companies throughout the UK & Ireland to access Dalic's class leading solutions.



The new arrangement goes live on the 4th January 2016.

*For further details please contact  
Jim Rowbotham, Managing Director of Pexa Ltd  
jim.rowbotham@pexa.com www.pexa.com  
www.dalicworld.com*

## Innovate UK

The Government funded body, Innovate UK, has recently announced the opening of a funding call for Surface Engineering and Coatings Technologies in High value Manufacturing. Grants of up to 70% of eligible costs are available for 12 month projects costing between £50-150K. Only UK businesses are eligible for funding, although academic partners can also take part if their costs are not more than 30% of the total applied for by a prospective application.

Applications open on January 11th and close on March 16 2016, but registration of interest must be made by March 9th 2015.

A second announcement has been made for a feasibility study for Technology Inspired Innovation that will encompass advanced materials, biosciences, ICT and electronic and electrical devices. This will open on 31st December 2016 and close on March 16th 2017. The grants will be for short (up to 4 month) projects that have a total cost of less than £33k; funding can be up to 70% of costs.

If any member is interested in making and application, possibly with having the Institute as a partner, we would be very pleased to hear from you and possibly help with the application. Please contact the Science Committee at Exeter House

*Trevor Crichton, Science Committee Chairman  
Further details can be obtained from their website:  
www.interact.innovateuk.org*



## The future of Plasma is here...

The UK and Ireland's leading Plasma Treating technology supplier Dyne Technology is proud to announce that the 'Future of Plasma' has arrived! The all new website "Plasma Treating" was created to bridge an important gap in the market; where can the UK and Ireland's engineers and manufacturers find technically correct, easy to understand information when facing the problems of adhesion and surface cleaning?

The Dyne Technology team are passionate about providing technically correct advice and first class customer support; as a result of this, Dyne Technology have earned the privilege of being trusted advisors to major players within the UK and Ireland's manufacturing industries. The new Plasma Treating website was created as a platform to host the Dyne Technology team's wealth of knowledge and expertise gained from over 40 years' practical industry experience.

What can you expect from Plasma Treating? From Automotive to Aerospace, Motorsport to Medical Plastics, you can find practical industry case studies to better understand how Plasma Treating technology fits within your industry. Full of technically correct, easy to digest information, you can learn more about the problems of bonding to traditionally "non-stick" materials, explore Plasma Cleaning, learn more about how Plasma Treating can help to drive innovation within Research and Development and enjoy a wealth of resources.

The launch of Plasma Treating marks the start of an exciting year for Dyne Technology with more announcements to come on the future of Plasma in the coming months. You can keep up to date with latest news and announcements from Dyne Technology on [www.plasmatreating.co.uk](http://www.plasmatreating.co.uk)

*Dyne Technology Ltd is a UK based company.  
For more information, please contact: Demy-May Butler  
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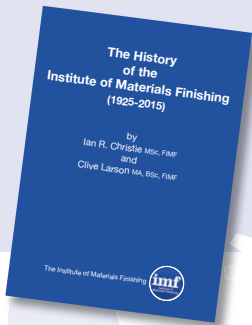
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## History of the IMF book - updated



*The History of the IMF has been updated if you would like to purchase a copy please contact Helen on 0121 622 7387 or email [helen@materialfinishing.org](mailto:helen@materialfinishing.org)*

*Cost including package and posting in the UK £10.00. (Overseas may incur an additional postage charge)*

## Request for Authors for IMF Teaching Material

The Education and Training Committee has been updating our teaching material to ensure that we continue to represent current technology and legislative requirements. This activity has been carried out by members of the committee but we would like to take advantage of the technical expertise available amongst our members. If you are interested in helping to educate those entering our industry and can devote a few hours to revising a unit or peer reviewing a revised document before publication, please e-mail David Meacham. Expertise in any of the many facets of inorganic and organic coatings will be most welcome.

A fee is payable for this work as a gesture of thanks for the time required. For your reference, the structure of the courses is set out on the IMF website. Priorities at this point are Technician module lessons on alloy plating, conversion coatings and shortly for a major revision of the Foundation course.

Contact David Meacham on 0121 622 7387  
Email: [david@materialfinishing.org](mailto:david@materialfinishing.org)

## Next Enrolment date for Training Courses is 3rd June 2016

Contact David Meacham  
Tel: 0121 622 7387  
Email: [david@materialfinishing.org](mailto:david@materialfinishing.org)

## Transactions

Our sincere apologies to Members, readers and subscribers for the current delays experienced in publication of Transactions of the IMF, following the acquisition by Taylor & Francis of Maney, the commercial publisher with whom we have worked very productively for the past decade or so.

T & F is a very large and reputable publisher of society and academic journals, and the problems we have experienced have been unexpected and very disappointing. We are working hard to get back to normal, and can now see light at the end of the tunnel, but we appreciate the delays have been as frustrating to IMF members as they have been to the journal editors. Please bear with us as we reduce the delays progressively for each issue, with the March issue aiming to get back to normal.

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