Congratulations on your Platinum Jubilee

Your Majesty

We hope all our members had a fantastic Weekend of celebrations.

www.materials-finishing.org
DISTANCE LEARNING START DATES

9th September 2022

You may enrol up to 30 days in advance of the start date.

Please note that all course fees must be paid in full before any course materials can be released.

Please contact Karen Yates by email karen@materialsfinishing.org

You can find details of courses and qualifications on our website - https://materials-finishing.org/

UPCOMING WEBINARS/SEMINARS

The Anodising of Aluminium & its Alloys

a Webinar

21st June 2022 14.00

Everyone is invited and if you wish to attend any webinar or seminar please contact John Burgess by email :- JohnB_IMF@btinternet.com
I am becoming slightly concerned about how world events will have an impact on both our working and private lives, what with the ongoing conflict in eastern Ukraine and availability of materials throughout the world.

The “war” in Ukraine shows no signs of ending, and I cannot personally see any signs of when and how it could end. Neither side will be able to be seen to accept any form of compromise on the relationship with each other without this being regarded as a “defeat.” Meanwhile the world is losing out on supplies of grain, oil, and other important supplies.

These shortages have inevitably resulted in increasing prices in essential items for both our work and private lives. The fact that the cost of filling up our cars with diesel can now be more than one hundred pounds is quite frightening and watching the price of Brent Crude shows no signs of this dropping.

Allied to this, the cost, and reduced availability of oil has, as we all know, greatly affected our costs of heating our homes, which has had an adverse effect on rising inflation. The pressures therefore on industry, with demands for wage inflation and many other rising costs, will have a really major effect on the ability of industry to maintain the growth that we had seen in the last quarter of 2021 and the first quarter of 2022.

It has therefore been refreshing to have the Queen’s platinum jubilee to celebrate. As I write this over the jubilee weekend, I can only think of how wonderful the 4-day bank holiday has been. I think it is fair to say that nobody does pomp and circumstance better than the British! The whole celebrations, from the superb “trooping the colour” and the RAF fly past on Thursday, through to the pageant on Sunday afternoon have been amazing! We should all count ourselves so lucky to have been able to celebrate this almost unique event; I cannot think there will be another sovereign who will reign for 70 years in the future?

By the time you read this, the Institute will have exhibited at the Surfex exhibition and conference, which took place at the Coventry Building Society Arena. Surfex is organised by the Oil & Colour Chemists Association (OCCA), with whom the IMF have a working relationship. Our organics group includes members who are involved with the management of OCCA. Our two associations complement each other; OCCA represents suppliers to and manufacturers of paints and coatings, whereas we at the IMF supports applicators and end users of the paints manufactured.

The IMF have contributed to the conference, through organising a session of talks within the Surfacing Science programme. We will report on both the exhibition and conference in a later edition of Information.

I hope you all have a wonderful summer, and I do hope that we will see another upturn in business confidence as the year progresses.
Please see below information on our upcoming webinar.

Date: 21st June 2022
Time: 14:00

“The Anodising of Aluminium & its Alloys”

To Register:


If you are interested in joining the webinar, please register using the information above.

If you would like a formal Clickmeeting invitation (which will supply you with all the above) please contact John Burgess,

JohnB_IMF@btinternet.com

We have had issues with attendees not being able to hear the webinar.
For the best results please ensure that your browser is either:
Safari, Firefox, Google Chrome, (Google Chrome being the preferred technology)
The technology should support WebRTC.

Please look in your junk/spam file in case your email system thinks that the reply is spam as we have had issues over this in the past.

There is no cost for the webinar.
Following the Surface World exhibition in March 2022 at the NEC, Simon Mercer is pleased to announce that Nano-Care UK has joined the Institute of Materials Finishing (IMF) as a Sustaining Member.

After being introduced to the IMF at the show, Simon quickly realised the synergies between Nano-Care and the IMF in both supporting and furthering the use of coating technologies within all facets of industry, and the service solutions they offer all engineering sectors.

Education is also a shared value between Nano-Care and the IMF, which is why Simon will be running through the history of nano-coatings and nano-ceramics for the Institute’s members on the 15th June.

Through their association with the IMF, Nano-Care is ready to help build their education resources and understanding of nano-coatings / nano-ceramics - and how they can contribute to supporting businesses on their sustainability journeys.
M2000 Spectroscopic Ellipsometer

The M-2000® line of spectroscopic ellipsometers is engineered to meet the diverse demands of thin film characterisation. An advanced optical design, wide spectral range, and fast data acquisition combine in an extremely powerful and versatile tool. The M-2000 delivers both speed and accuracy. J A Woollam's patented RCE technology combines Rotating Compensator Ellipsometry with high-speed CCD detection to collect the entire spectrum (hundreds of wavelengths) in a fraction of a second with a wide array of configurations. The M-2000 is the first ellipsometer to truly excel at everything from in-situ monitoring and process control to large-area uniformity mapping and general purpose thin film characterisation. No other ellipsometer technology acquires a full spectrum faster.

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or email shayz@qd-uki.co.uk

Quantum Design represent J A Woollam in the UK and Ireland. Found out more about us at www.qd-uki.co.uk
SERFILCO are delighted to welcome Paul C Wynn FCMI, FIMF to our International team based out of Manchester, UK. Paul joins us as UK Business Development Manager and brings a wealth of expertise, enthusiasm and passion to our team.

Paul has served the metal finishing industry for over thirty years, with an extensive background as a treatment applicator and chemical products supplier. He has worked globally promoting critically enabling surface treatment technologies that underpin manufacturing supply chains. A zinc-nickel patent holder and conference speaker, he has authored a number of published paper, is a Fellow of the Chartered Management Institute and the Institute of Materials Finishing.
DELL MEMBERS BENEFIT

Benefits for IMF Members:

- Exclusive discounts (up to 20% off laptops, desktops and accessories – these are the highest ‘always on’ discounts across Dell Technologies) to the members of your association for both personal/business use, these are particularly beneficial for stand alone members, such as professionals, consultants, self-employed, free lancers and small businesses, who would not usually be able to obtain this level of discount. There is a product for everyone, providing value to all types of members, whether it be resolving a business need or a lifestyle purchase

- Streamlined voucher code redeeming process

- Members will have access to seasonal promotions

- Dell also offers free 1x1 tech advice and access to finance. Our ‘red carpet’ service, specifically for association members, has proved to be a huge success over the last year, my colleague and I are on hand to nurture/handhold members, helping them navigate Dell and supporting them with all their needs
For the first time since 2019 HMG Paints employees are heading into the heart of Manchester on Sunday 22\textsuperscript{nd} May to take part in the annual Great Manchester 10K run. HMG colleagues will be raising money for the British Heart Foundation at this year’s event in memory of Alan Doyle, a long-term friend of HMG who sadly passed away during the 2019 Great Manchester Run due to an undiscovered heart disease.

Alan’s family have set to raise a target of £1,000 for The British Heart Foundation via their fundraising page: [https://justgiving.com/fundraising/allforalan](https://justgiving.com/fundraising/allforalan). “We’re really looking forward to being able to run again this year as the event had been cancelled several times due to COVID” said Gracienne Ikin, Brand Development and Communications Manager. “This year’s race means so much to us all and we’ve got a great group together running in memory of Alan, alongside his family and friends” continued Gracienne.

The Great Manchester Run is just one of many charitable events HMG will be participating in this year in the hopes to raise money for the worthy charities that have been selected by staff. The chosen charity organisations include Francis House Children’s Hospice and Ronald McDonald House Charities.

If you require further information on the press release, please contact:
Gracienne Ikin, Stephen Dyson or Rebecca Jennings
HMG Paints Communications
gikin@hmgpaint.com, sdyson@hmgpaint.com or rjennings@hmgpaint.com
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THE MMS® INSPECTION SERIES
Corrosion protection starts well before the first coat of paint. The corrosion kit MMS® Inspection comprises three devices that are needed before, during and after surface coating. With the SPG, you can reliably measure the surface profile. The DPM provides all the necessary data for determining the dew point. The powerful DFT is your mobile companion for all coating thickness tasks (ferrous and non-ferrous substrates).

www.fischerinstrumentation.co.uk
Solvent cleaning offers solution to reduce energy bills

As energy prices continue to soar, businesses across the country are seriously considering where efficiencies can be made, and costs can be cut.

For organisations that require component cleaning and degreasing, a simple switch can have a significant impact on energy usage, without affecting cleanliness levels. In fact, in many cases, reconsidering cleaning solutions can deliver higher quality results, while also minimising time, cost, and the environmental impact.

The answer in many cases, is to change from an aqueous cleaning solution to a solvent solution, such as the Opteon™ range from Chemours™. Solvent cleaning uses one fifth of the energy required with an aqueous cleaner. It is five times more energy efficient, has quicker cleaning cycles, leaves zero residue, and has three times better surface penetration.

This superior cleaning technology provides a number of efficiencies. It makes the job easier, faster, and the lower temperature required means that the energy requirements of the system are much lower. Increased automation also saves operator time as the parts only require handling at the start and end of the process rather than constant monitoring throughout.

Using an Opteon™ specialty fluid such as SF80 reduces weekly CO₂ usage by 75%, reduces weekly fluid consumption by 50% and reduces the cost of average daily consumables by eliminating water treatment. One of Fraser Technologies’ aerospace customers found success with sister product, SF79, which has a 100% cleanliness pass rate, is more efficient, and has reduced lead times and costs.

The next generation of solvents

Opteon™ SF80 is an extremely safe, non-flammable, and environmentally friendly solvent with no ozone depletion potential, an ultra-low GWP (<2), and does not contain any products regulated under F-gas regulations.

SF80 is also an effective replacement for nPB, TCE, HCFCs, PFCs, HFCs and HFEs solvents and is becoming known as the leader within a variety of cleaning applications such as vapour degreasing, oil and grease removal, precision cleaning, high solvency defluxing, and silicone removal, amongst many other uses.

The impressive cleaning results of new generation solvents speak for themselves, and the industry is seeing a strong transition from aqueous to solvent systems.

Fraser Technologies has had real success with transitioning clients on to more efficient solvent solutions as they seek higher levels of cleanliness and increased efficiencies. A well-known, Midlands-based, leading aerospace engineering company made the transition, and they said:

“The 100% cleanliness success rate is exactly what we were looking for. The process is significantly more efficient, which has in turn reduced our lead times and costs. This reduces the cost of the engine and the time spent on the process, which ultimately allows for increased innovation and guarantees the brand’s quality.”

Fraser Technologies’ solvent cleaning systems offer an environmentally friendly and cost-effective solution to your precision cleaning needs.

For more information about the products Fraser Technologies offers and how the team can meet your business needs, please get in touch today!
ABBEY METAL FINISHING VACANCY

Business Background.
Founded in 1947, Abbey Metal Finishing Co Ltd (Amfin) has established a reputation as a professional and accomplished metal finishing company. We serve customers in a diverse range of industries including aerospace, defence, rail, automotive, general and specialist engineering & hold accreditations for NADCAP, ISO 9001 - AS/EN9100, BS ISO 14001, BS ISO 45001. Our 2012 facility in Hinckley is among the world’s most modern integrated processing and finishing plants, ensuring efficiency whilst reducing costs and lead times.

Laboratory Technician

Scope of Position:
To support the manufacturing operations via the control and analysis of production processes whilst ensuring safe production at the right level of quality. You will be working alongside our Laboratory Supervisor.

Key Areas of Responsibility
• Ensure health and safety guidelines are followed at all times.
• Technical support for wet processing.
• Control of process solutions through chemical analysis to a dedicated schedule.
• Calibration of process control equipment.
• Corrosion testing.
• Stock replenishment and expiry control.
• Housekeeping of dedicated areas
• Support of NPI process.
• Participate in customer meetings as required
• Liaising with different departments as required.
• Support the control of effluent treatment plant and steam boiler chemical protection
• Support process qualification as required

The ideal candidate must have the following skillset / experience:
• Have experience in working within the metal finishing industry
• Have experience in working in a laboratory environment
• Be self-motivated and able to accept responsibility of ensuring the laboratory runs smoothly
• A good chemistry background
• Be a team player and be able to work well with other departmental heads
• Computer literacy.
• Good communicator and people manager.
• Attention to detail.

Salary dependent on experience

Please send your C.V. and covering letter including salary expectations to rbrook@amfin.co.uk