



# INFORMATION

JUNE 2023



## IMF/OCCA GOLF DAY REPORT INSIDE



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# DIARY



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## IMF DIARY

### DISTANCE LEARNING START DATES

Apply by 28th August for start date 8th September 2023.

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](mailto:karen@materialsfinishing.org)

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

### UPCOMING WEBINARS/SEMINARS

Below are the dates of new webinars which are designed to help with the first 7 units of the Foundation Course, although attendance is **not compulsory**.

The webinars will be held in the evening (19-00) to avoid any disturbances with work commitments and will last 30 – 45minutes.

All webinars will be through the “Clickmeeting” platform and invites will be sent to students to register for the webinar if they wish. Any student or member may attend any of the webinars.

Dates:

Foundation Course Unit 1 04/07/23

Foundation Course Unit 2 18/07/23

Foundation Course Unit 3 01/08/23

Foundation Course Unit 4 15/08/23

Foundation Course Unit 5 05/09/23

Foundation Course Unit 6 19/09/23

Foundation Course Unit 7 03/10/23

It is suggested that all students attend Unit 1 as this will also provide information on how to go about completing the course .





## SECRETARY GENERAL'S COLUMN (I)

I seem to be spending a great deal of 2023 sat on aeroplanes, be this either pleasure or work related.

In the last 5 weeks, I have taken 10 flights to cover such diverse places as Australia, North Island New Zealand, Singapore and Louisiana in the States.

Flying can be fun, but also very tiring, especially the “red eye” specials, overnight flights back from the USA. I’m four days back from New Orleans and still haven’t got back to a UK sleep pattern!



My trip to Australia and New Zealand was half pleasure and half work; last year I met with the President of the Surface Coatings Association of New Zealand (SCANZ), who I know through contacts at international coatings societies level. He was kind enough to invite me to give a paper at their 2023 convention, which was held in one of my favourite parts of New Zealand, the Bay of Islands. This was a great opportunity to present a case study on the development of chrome free diffusion coatings, which illustrated the need for radical development of coatings that traditionally were formulated on Chromium Trioxide where the chrome is likely to be “banned” under REACH.

The audience comprised attendees from both New Zealand, Australia and even South Africa. Whilst most had heard of European REACH, most were unaware of the consequences of this law on the chemical and surface coatings industries, and how they were driving development on new “safer” products. My presentation certainly set up some lively discussions.

Back in the UK for four days, then off to Louisiana, but this time totally work related! I did have a Sunday to quickly explore New Orleans, to include the French Market and French Quarter, and obviously Bourbon Street, the heart of live music, jazz, blues etc. and a multitude of bars and cafes! The ride on their archetypal tram was great fun!



So now back in the UK before my next foreign sortie next week to northern Spain, again work related. I have managed to take in a couple of IMF meetings, so I’m not totally divorced from our activities.







## SECRETARY GENERAL'S COLUMN (ii)

It's great to see the involvement of our members in our teams and committees, and the desire to promote the benefits of the IMF and how we can help everyone in materials finishing.

Attending the marketing and membership committee meeting a couple of days ago, I was fascinated to hear of the plans for our stand at Surface World to be held at the National Exhibition Centre in Birmingham. The show is scheduled to take place over 2 days, Wednesday 4<sup>th</sup> and Thursday 5<sup>th</sup> October, and again we will host the networking stand as sponsors of the event.

I really want to be in attendance, but it looks likely that I will be travelling in the Far east that week, where my company has been requested to run some training courses with clients, and to support our Southeast Asia distributor at a major trade show.

With all my travelling and other commitments, both work and personal, I'm finding it difficult to believe we are nearly halfway through 2023, and that it will be the longest day in a couple of weeks. I know it's a bit of an "old wife's tale", but to me as I get older, the days, months and years just seem to flash by. We'll be planning and attending the AGM before we know it!

So can I finish by wishing you all a very pleasant summer, and those of you who are planning holidays, a very happy break away.

Graham Armstrong FIMF FTSC  
June 2023



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## IMF/OCCA GOLF DAY (i)

The inaugural IMF / OCCA golf day was held at the Windmill Hotel and Golf Club Coventry on 24<sup>th</sup> August.

The course itself is relatively short with several tricky (some might say quirky) holes. The golf was played in almost perfect conditions which were enjoyed by 28 golfers plus a couple of attendees.

Our thanks to the Windmill and all involved for an excellent day, well organised and well looked after both golf wise and food wise.

The competition was a 4 man team with the best two Stableford scores to count and a team representing OCCA held off all challengers to win the trophy with 83 points: made up of Past President Jim Bury with Stephen Ainsworth (ex Crown Paints) alongside a couple from Arkema Morrie Barbour and Tony Hall. Tony also claiming the bragging rights by winning the putting competition.

Thank you to Indestructible Paints , Robert Stuart , Frost Electroplating , HMG, Karas Plating , Aquatec Paint, BJK and Blagden for supporting the day.



Team Winners-Jim Bury, Morrie Barbour, Tony Hall and Stephen Ainsworth

## Individual Winners



## Some Team Shots





## OBITUARY for DENIS LAYTON

**Sadly we have to report the death of Dr. Denis Noel Layton , beloved husband, father, grandfather and great-grandfather. He passed away peacefully on 28th February 2023 and will be missed by all who new him.**

**Denis has been a long-term Member and Fellow of the Institute and served as President from 1988 to 1990.**



## NEW STUDENTS



**We would like to welcome our 11 new Foundation students and 2 new Technician Students who have enrolled on IMF courses.**

**Check out the webinar area for upcoming webinars and recorded ones that may help with your studies.**







## Surface Finishing Foundation Course

### “Improving the Understanding”

The Surface Finishing Foundation Certificate is designed to provide personnel in surface finishing and related technologies the opportunity to improve and increase their knowledge to aid them to be able to deal with shop floor problems more effectively.



The course is offered as a Distance Learning programme with students completing 7 mandatory units followed by 5 from one of the Technology Blocks and a further 3 Optional units from those units not already selected for study.

Going forward it is the intention to provide a webinar on each of the Mandatory Units (7 webinars) in order to help students to understand more clearly what is required. We are also looking to have 1 or 2 open forums whereby students can discuss parts of their course that they feel may be difficult to understand.

The Foundation Certificate takes around 16 weeks to complete and the webinars will commence around 4 weeks after the initial starting date. These webinars will be held during an evening and last around 45 minutes.



AEROSPACE & DEFENSE

**Announcement 30<sup>th</sup> March 2023**

## **ADDEV Materials expands in Nordic region by acquiring Scandinavian Products AS "Scandpro"**

ADDEV Materials Aerospace & Defense is pleased to announce its acquisition of Norway's leading distributor of aerospace coatings "Scandpro". For over 30 years Scandinavian Products AS "Scandpro" has supplied Norway's aerospace industry with approved coatings from AkzoNobel.

ADDEV Materials is pursuing its strategy of geographical expansion. Scandinavian Products AS "Scandpro" will form the basis of a Nordic region, which will be part of ADDEV Materials' Northern EMEA business headed by general manager Robert Waddell.

Projects Director at ADDEV Materials Jim Rowbotham said *"We are very pleased to welcome Scandpro into our group. As supply chain and logistics is crucial to providing a good service, our industry will benefit greatly from our proximity in the region. Scandpro is very well connected in Scandinavia and this acquisition will give us a great platform to build relationships with aerospace companies right across the Nordic region"*.

Scandinavian Products AS founder Finn Walter Johansen said *"I think ADDEV Materials is a great fit for Scandpro; with their extensive range of products including coatings as well as surface treatments and adhesives etc, we will be able to add even more value to our customers. I am going to stay with the business to help us integrate into ADDEV Materials and I am looking forward to working with my new colleagues on developing the business and investing in this important region"*.

This acquisition is part of a strategy for ADDEV Materials to project its offer globally and follows the recent opening of its subsidiary in Singapore serving the Asia Pacific Region. ADDEV Materials Aerospace & Defense CEO Julien Duvanel said *"Our strategy is to remain customer centred, as we expand globally we also need to keep the local touch and Scandpro gives us a physical presence in the centre of the important Nordic region"*.

For more information contact: [j.rowbotham@addevmaterials.com](mailto:j.rowbotham@addevmaterials.com)

### **About ADDEV Materials:** [www.addevmaterials.com](http://www.addevmaterials.com)

Founded in 2006, ADDEV Materials is an international mid-sized company, with 700 employees, in 15 industrial plants in Europe and North America, for a turnover of 180 million euros in 2022.

Our expertise is organized around two activities:

- The converting of technical films, tapes & foams
- The custom packaging of surface treatments, adhesives, paints & coatings

ADDEV Materials aims to optimize the industrial performance of its customers in the sectors of Aerospace & Defense, Mobility & Power, Healthcare & Hygiene, Industries & Construction.

ADDEV Materials has a purpose : "Converting industrial challenges into sustainable materials solutions" by supporting its clients in their ecological and energy transition, offering sustainable materials solutions using alternative materials, a network of local facilities reducing logistic impact, and customized technical expertise reducing waste. ADDEV Materials aims to consume better, offering more added value with less resources.



# OBITUARY for DAVID ARROWSMITH (I)

Dr. David Arrowsmith graduated with first class honours in metallurgy at the University of Cambridge where he was also awarded his PhD. His industrial experience included five years at the British Aluminium Co. Ltd. After retiring from Aston University in 1982 he became a MOD consultant at the Admiralty Research Establishment, Portland.

He was an active member of the Institute from the 1960s until about 2000 when he developed a keen interest in 'Finebindings' – more about this later. He was awarded the Hothersall Memorial Medal in 1985 and the Gold Medal (the Institute's highest award) in 1989. He was Honorary editor of the Transactions of the IMF in the 1980s. He published 22 papers in the Transactions between 1956 and 1988

He was also a talented musician owning and playing valuable stringed instruments in well-known local orchestras although on one notable occasion in 1963 he piped in the haggis at an IMF Conference Dinner in Edinburgh.

I first met David when I applied for a post at Aston University in 1966. He was the Reader in Industrial Metallurgy in the Department of Metallurgy and was keen to expand the section of the Department specialising in Corrosion and Metal Finishing. I knew of David's expertise in the measurement of stress in electrodeposits because I had been working on the same topic at W. Canning & Co Ltd. He studied at Cambridge for his doctorate under T P Hoar (President of the IMF 1957 - 59). They published a paper in the Transactions of the IMF in 1957 on the Hoar and Arrowsmith method of stress measurement. This is a method in which a strip of metal is prevented from bending during electroplating by the application of an external force so that relaxation of stress is not permitted. He was delighted that his thesis was one of the most concise submitted at Cambridge.

I worked with him and Phil Barrett (member of the IMF for many years) to develop undergraduate courses in corrosion and metal finishing and to introduce an MSc course in these subjects which also had a Management component. Research in this field became important in the Department especially when David obtained a grant to purchase a scanning electron microscope. He supervised many PhD students and a number of papers were published in the Transactions. He was a gifted teacher and this helped enormously to encourage students to stay on and study at post-graduate level. This enhanced the Department's reputation in this field.

In the days when the College of Food prepared lunches for the Senior Common Room at Aston it was an opportunity to mix with staff from other departments and I enjoyed his company on many occasions at these lunches. I always thought that he deliberately came along with a controversial topic that he 'innocently' introduced to get his colleagues talking.

He was a very private person reluctant to talk about his achievements or private life. Everything he was involved in had to be to a high standard whether academic or hobbies. The last time I was in contact with David in 2012 he sent me a book entitled "David Arrowsmith's Collection of Finebindings, A personal Selection". This exemplifies his drive to achieve a high standard.

The book has colour illustrations of works he has collected, some bound by him. They must be very valuable and were exhibited at the Bodleian Library in Oxford. I remember him telling me that he intended to leave his collection to a





## OBITUARY for DAVID ARROWSMITH (ii)

library/museum in Wales.

I will let David speak for himself to conclude this obituary.

“Inspired by an exhibition of contemporary finebindings promoting evening classes at Matthew Boulton College, Birmingham, I enrolled and started bookbinding in 1983 but it was not until 1993 that I bought the first finebinding for my collection by which time I was able to appreciate the craftsmanship and skill of the highest order produced by professional bookbinders.

The selection shows the wide range and variety of finebinding styles and designs produced in the last 30 years in the United Kingdom. Their beauty and craftsmanship give me an enormous amount of pleasure. Apart from one, I know all the creators of the finebindings in my collection. I am extremely grateful to them, both for their bindings and also for their help, inspiration and friendship.”\*

David Arrowsmith scientist, musician and bookbinder.

**Keith Dennis**

\* David Arrowsmith's Collection of Finebindings, A personal Selection

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c D.J.Arrowsmith 2012

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David Arrowsmith and Keith Dennis

at a graduation event at Aston University circa 1980





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## JOIN US!

### Fischer Hands-on! Workshop Measuring With Handheld Gauges

**Date:** Tuesday 11th July 2023

**Time:** 10-3 pm

**Location:** Fischer office, Pershore, WR10 2JL

#### Agenda details:

- The Fundamentals / Avoiding the Common Mistakes
- Probing the Best Practice Approaches that Work!
- The Importance of Calibration
- Getting Hands-on! Instrument Set-Up & Tackling Applications
- Interpreting Data – making measuring meaningful!
- Process Control and Optimisation
- Question and Answer Session

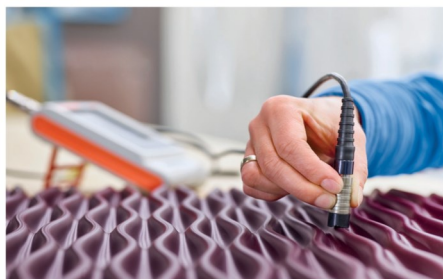
To join us for this event please register by contacting

**Georgina McWhirter**

Email: [gmcwhirter@fischergb.co.uk](mailto:gmcwhirter@fischergb.co.uk)

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## 15<sup>th</sup> INTERNATIONAL WORKSHOP ON ELECTRODEPOSITED NANOSTRUCTURES

November 15-18, 2023 – Metz, France

### FIRST CIRCULAR

Dear colleagues, dear EDNANO friends,

We are pleased to send you this invitation for the the next EDNANO workshop to be held in Metz (France). This conference, devoted to the electrodeposition of nanostructures and their properties, will be a joint event between EDNANO and EAST. Lectures and poster sessions will take place at the Université de Lorraine on the Technopole campus, close to the city center of Metz.

In the same spirit as the previous editions, an optional guided visit of Metz old Town is planned on Saturday. The city has a rich history with iconic buildings, which deserve a visit. Thus, we can mention Saint-Etienne cathedral, one of the tallest cathedrals in France and its collection of stained-glass windows (13<sup>th</sup> – 16<sup>th</sup> centuries), which makes it one of the most glazed buildings in the Christian world. Next to that, the museum of contemporary Centre Pompidou-Metz is a spectacular exhibition space, designed by the Japanese architect Shigeru Ban (Pritzker 2014), who imagined the museum wearing a Chinese hat. The visit of last Gallo-Roman remains, medieval streets, 18<sup>th</sup> century French squares, the Imperial District, as well as Lorraine gastronomy should give a favourable atmosphere for informal and fruitful exchanges.



#### **Dead Line for Abstract Submission** July 25

Authors will be notified of acceptance and mode of presentation by September 20 at the latest.

**Registration** The registration for EDNANO15 will be open from September 1<sup>st</sup> to 30<sup>th</sup>.

**Deadline for registration:** September 30

**Deadline for payment of registration fee:** 1<sup>st</sup> November

Further details (fees, accommodation, preliminary program) will be given in the second circular  
A dedicated conference website is under construction

The local organizing committee



## EXHIBITIONS

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