



IMFormation October 2007

Hothersall Lecture, Christmas Lecture, Luncheon, Presidential Address, Annual General Meeting and Presentation of Awards

Friday 30 November commencing at 11.00 am
(coffee from 10.30) at the Birmingham Medical Institute, 36
Harborne Road, Edgbaston, Birmingham B36 3AF

Hothersall Memorial Lecture – *Electrodeposition on (photo)electrochemically prepared nanostructures on silicon by Hans Lewerenz (Hahn-Meitner Instit)*

After introducing the (photo)electrochemistry of silicon, nanostructures prepared on single crystalline silicon electrodes by self-organised (photo)electrochemical processes will be presented. These structures encompass mesa-type features formed in the divalent dissolution regime, nanopore fields in silicon oxide present during current oscillations in fluoride containing electrolytes, step-bunched surfaces and fractal photocorrosion patterns. Metal electrodeposition into the oxide nanopores and onto step bunched surfaces will be described, together with analyses of chemical, structural and electronic behaviour of the silicon-metal composites using scanning techniques

Invitation Lecture – *Metal Finishing – enhanced performance achieved through plasma processing by Denis Dowling (University College Dublin)*

This presentation will provide an overview of how the use of plasma treatments can enhance the performance of metal surfaces, including reduction in friction, increased wear resistance, decorative appearance and biocompatibility. The presentation will include an overview of plasma processing techniques, and provide examples of how deposited nano and micron thick coatings have found applications in areas of tooling, polymer processing equipment, medical devices and on components requiring a decorative finish. To achieve enhanced performance over a diverse range of applications the individual coatings have to be tailored to meet the specific end user requirements and examples of how this can be achieved will be provided.

Traditional Christmas Lunch

Presidential Address – *Innovation Moves Forward (towards 2025 or we die) by Samuel Briggs JP* The Institute of Materials Finishing is celebrating 82 years of existence this year. But what will the next two decades bring? Thought provoking questions, comments and ideas will be part of this presentation.

ANNUAL GENERAL MEETING

Notice is hereby given that the Annual General Meeting of The Institute of Materials Finishing for the year ended 30 June 2007 will commence at 14.30 on Friday 30 November 2007 at the Birmingham Medical Institute, 30 Harborne Road Edgbaston Birmingham.

Agenda

1. To approve the minutes of the Annual General Meeting held 6 December 2006
2. To receive the Report of Council for the year ended 30 June 2007
3. To receive and adopt the Statement of Accounts for the year ended 30 June 2007
4. To receive the Report of the Election of Honorary Officers and Members of Council for the current session
5. To appoint an Auditor for the current session
6. Any other business

By Order of B. Gay
Honorary Secretary General



IMPORTANT NOTICE – Votes of members

Only Professional Members, Affiliates and Sustaining Member Companies (who shall each have one vote) and shall have paid their current subscription, are entitled to vote. The instrument appointing a proxy shall be in writing on the official form

Health, Safety and Environment

Free training offered by European Hazardous Waste Project

As the Government proposes new targets for tackling UK waste as a whole, an EU-Life funded project is to provide small businesses with free training on hazardous waste reduction, as part of its commitment to helping industry cut hazardous waste.

Led by the Environment Agency, HAZRED is a partnership project between SEPA, IEPA, WAG, Envirowise, Groundwork, SafetyKleen, and the Waste Recycling Group.

The project, which has been running for over two years, has worked closely with a number of UK companies across six key industry sectors to identify opportunities to minimise hazardous waste output – and save them money as a result. Now, the project has announced that it will share best practice advice across the UK and Europe, starting with a training workshop open to any small company operating in one of six sectors: Construction, Motor Vehicles, Machinery Manufacture, Speciality Chemicals, Photographic & Print and Metal Finishing. Participants will benefit from sector-specific advice and guidance, delivered by industry specialists, in interactive sessions. There will also be an opportunity for businesses to learn about staff engagement and awareness – an imperative part of an effective programme of waste management.

One company in the Metal Finishing sector has already benefited from the free on-site consultancy offered by HAZRED and has been able to reduce and even eliminate the use of certain hazardous chemicals in several processes, which in turn, has minimised their waste disposal costs.

The HAZRED training workshop will take place at Aston Villa Football Club in Birmingham on 17 October. To find out more or to register interest in attending, please contact Anna Pizzi on 07876 391 374 or email hazred@trimediahc.com. For further information about HAZRED, and to download a copy of the specially developed hazardous waste reduction plans for the six priority sectors, visit www.hazred.org.uk.

REACH

A huge shake-up in the way chemicals are regulated is impacting on almost UK business sectors. REACH chemical legislation came into force on 1 June 2007, and if you think it won't affect you, think again. REACH is a new set of EU regulations, which stands for **Registration, Evaluation, Authorisation and Restriction of Chemicals**. It means that a wide range of businesses will have new legal obligations. Most businesses use some form of chemicals. HSE is playing a key role by providing the UK Competent Authority role as well as its enforcement. There is a detailed information website and its scope:

www.hse.gov.uk/reach

HSE also has experts to answer your question which you can E-mail at: newsletter@hse.gsi.gov.uk

European Directive on labelling and packaging of substances and mixtures The European Commission has adopted the 'Proposal for a Regulation of the European Parliament and of the Council on classification, labelling and packages of substances and mixtures, and amending Directive 67/548/EEC and Regulation (EC) No 1907/2006/ (COM(2007 355 final). The proposed act aligns the EU system of classification, labelling and packaging substances and mixtures to the United Nations Globally Harmonised System (GHS). It is expected to facilitate global trade and harmonised communication of hazard information of chemicals and to promote regulatory efficiency. It will complement the new REACH Regulation. The proposed Regulation will be discussed by the European and the Council under the co-decision procedure. To find out more go to:

http://ec.europa.eu/enterprise/reach/ghs_en.htm

Company News and Products



Schloetter Company Ltd

New Products from Schloetter include:

SLOTOPAS Z 40 – a very intense black trivalent passivate specifically for use on alkali zinc deposits.

SLOCLEAN EL 370 – a universal silicate free electrocleaner containing no alkylphenolethoxylates.

SLOTOLLOY SNB 30-1 – an improved stable, acidic Tin-Bismuth alloy process, fluoride free formulation for use mainly for high speed applications as part of a Lead Free programme.

SLOTONIP 1860 – an advanced stabilising high phosphorus electroless nickel which is simple and reliable to operate. RoHS compliant.

SLOTONIP PZ 11 – a fungicide for the reduction of fungal formations in static rinses following electroless nickel processes or in electrolytes prior to extended idle periods.

SLOTOPAS G 20 – trivalent passivate for producing An attractive high performance iridescent yellow/red/ green coating on zinc deposits.

Further information, Paul Griffith, 01386 552331

British Coatings Federation (BCF)

BCF have elected David Thomas of BASF Coating as their new President. He has extensive knowledge of the coatings sector having held positions in major BCF member companies, including 20 years at Crown Paints. He accepts that there are many challenges as an industry in the next years, probably the largest of these being the implementation of REACH.

Hill Media Ltd

The next event:

Surface World 2007

November 6,7 & 8

NEC Pavillion, Birmingham

The only international exhibition staged in the UK dedicated to product finishing, surface engineering coating and specialised surface treatments.

The exhibition is sponsored by Surface World + Product Finishing magazine. If your business is in surface finishing then you should attend. Entry for visitors is free and registration forms can be obtained by telephoning; +44 (0) 1442 826826

IMF

UK Corrosion 2007– Managing Corrosion for Sustainability

The IMF was invited to participate in this conference held at Sheffield Hallam University. The IMF supplied ten presentations including two keynote addresses. The conference room was unusual in that it was very wide but shallow in length, but with the aid of two simultaneous power point projectors all was well. The IMF presentations were well received prompting several questions. Attendance, in general, varied between 20 to 40 persons.

Detail of the presentations will be included in future issues of the Transactions of the Institute of Metal Finishing journal

Future Events

Southern Branch

15 November 2007 commencing at 1 p.m. at BAE Integrated Systems Technologies, Portsmouth
Seminar on Aerospace and Maritime Coatings

For further details look on the IMF website or contact Clive Arnold on: 02392 226128

Joint Organic Finishing Group & Midland Branch events:

12 February 2008

Surface Preparation and Pre-treatment.

One-day symposium and tabletop exhibition

13 May 2008



Application and Curing
One-day symposium and tabletop exhibition

14 October 2008
Measurement and Testing of Surface and Coatings
One-day symposium and tabletop exhibition
All of the above events will be held at the Birmingham Medical Institute.

Offers of presentations are welcome - send synopsis to IMF at Exeter House addressed to the Event Organiser. Brochures will be available nearer the event date with details of programme, registration and costs.

New Members

Affiliates

Kevin Palmer - Schloetter Company Ltd
Hazel Parris - Trimate Ltd
William Baldrick)
Conor Barr)
Matt Concannon)
Lawrence Cooke)
Eamon Doherty) Seagate Technology
Stephen Gillespie)
Julie Greene)
Robin Lincoln)
Liam Macdonald)
Divine Odenndip)

Fellow

Hideyuki Kanematsu Suzuka National College of Technology. Japan

Examination Results

Process Management Module Project
Clive Arnold* BAE Integrated Systems Technologies
(*with distinction)

Specialised Training for Westland Transmissions staff.

A one-day tutored course on 'Copper Plating for the Prevention of Case Hardening' was recently completed by 25 members of staff, as part of the continual development of Westland's recently acquired copper plating stripping operation.

As well as its internationally recognised formal courses and distant learning modules leading to professional qualifications, the Institute is available to provide training for companies on most surface finishing technologies.

New Sustaining Member

Happy Plating GmbH,

Leobendorf Strasse 42, Berndorf.

A-2550 Austria

Tel:0043 699 1511 1555, www.happyplating.at

Happy Plating offers new, innovative process solutions in the field of electrochemical surface finishing, and examines their compatibility with industrial process lines using precise prototyping. Processes are successfully integrated into production processes for tailoring technical surfaces. As a result, Happy Plating is a leading expert in transferring DC plating lines towards pulse plating and offers traineeship, know-how transfer, as well as technical coaching and galvanic line construction.



Aerotech Laboratories Ltd

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Coventry CV4 9EX
Tel: 02476 474473, Fax: 02476 474473
E-mail: support@aerotechlabs.co.uk
Website: www.aerotechlabs.co.uk

Laboratory analysis and test service to surface finishing including plating, etching, dye penetration, wastewater, exposure monitoring and salt spray tests.
Aerotech are UKAS accredited and hold approvals from prime aerospace companies.

Agusta Westland Transmissions Ltd

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Tel: 01935 703461, www.augustawestland.com
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Westland design and manufacture transmission components and complete systems for helicopters and aeroengines, both military and civil. They provide full maintenance support for helicopter rotor and drive systems.

Out and About

2007 Titanium Symposium

20 November Advanced Manufacturing Park
Rotherham, South Yorkshire.
Further information: www.namtec.co.uk

Central European Coatings Show 2007

November 21-22, Prague
Details: www.coatings-group.com/exhibitions

SITS – Surface Treatment Technology

March 31 – April 4 Paris
Details: www.exposium.fr and www.sits.com

MARCH 2008

April 21 – 25, NEC, Birmingham
Details tel: 020 7298 6400