Background of the Mineral Processing & Extractive Metallurgy Division

About the division...
The Minerals Processing & Extractive Metallurgy (MP&EM) Division provides focus within IOM3 for the worldwide minerals and extractive metallurgy community. The primary objective of the Division is to promote the professional interests of members engaged in mineral processing & extractive metallurgy.

The MP&EM was one of the constituent Technical Divisions of the IOM3 formed following the merger in 2002 of the former Institution of Mining & Metallurgy with the former Institute of Materials.

Member Benefits
The MP&EM division currently has about 500 members and is affiliated to IMMa, the International Mining & Minerals Association which is a hub within IOM3 for the extractive industries. Membership growth is driven by the world’s ever-increasing need for raw materials and regulatory requirements governing the extractive industries, dictating that those responsible have a sufficient level of professional experience and competence. This is recognised by the FIMMM (Fellow), MIMMM (Professional Member) and associated Chartered Engineer (CEng) qualifications awarded by the Institute.

Professional Development
Members of the MP&EM Division are encouraged to keep up to date through Continuing Professional Development (CPD) including accessing learned articles in the MP&EM journal, Minerals Processing and Extractive Metallurgy, IMM Transactions C, attending short courses, conferences, regional meetings and engaging in work-based developments which explore new products and processes.

How do I join?
Individual membership of the MP&EM Division is effected by joining the Institute of Materials, Minerals and Mining. You can join IOM3 online at www.iom3.org/join to get immediate access to member benefits, or you can complete our printed membership application form. For details of membership grades and professional qualifications visit: www.iom3.org/membership

Company membership: More information about Industry Affiliate membership and an application form are available at www.iom3.org/ias

IOM3 Conference (see page 2)
Find out more about the upcoming MP&EM conference ‘Minerals and Metals production from Mine to Market’ to be held in Cambridge in December.

Meet the Board... (see page 3)
Read an insight into the career of the chair of the MP&EM Division board, Tony Francis. Find out more about Tony’s experience in the field of metallurgy.
MP&EM Upcoming Conference:

Minerals and Metals Production from Mine to Market

Organised by IOM Communications on behalf of the Mineral Processing and Extractive Metallurgy Division of IOM3

This conference is devoted to scientific, technological and socio-economic aspects of the procuring, processing, separating, extracting and refining of minerals and metals and other natural resources relevant in this context.

The programme is expected to cover:

- Mineral Processing
- Gold and Precious Metals
- Hydrometallurgy
- Molten Salts
- Sustainability & Recycling
- Extractive Metallurgy
- Mining Technology
- Earth Sciences
- Natural Resources

HOW DO I GET INVOLVED?

The conference will be held in Trinity Hall, Trinity Lane, Cambridge on 15 – 16 December 2015. Delegates can register to attend the conference on the event website at:

www.iom3online.org/MMPMM

Conference Venue:

Trinity Hall
Trinity Lane
Cambridge
CB2 1TJ

Conference Contacts:

IOM3 Conference Office
Phone: +44 (0)20 7451 7302
chiara.jobson@iom3.org
Introduction
I am Tony Francis and I succeeded Professor John Monhemius as the Chair of the Mineral Processing and Extractive Metallurgy Division Board of IOM3 on 26 May 2011 and have been a member since the first meeting in October 2005. I have been engaged in the Minerals industry for more than 40 years and as the saying goes “it don’t seem a day too long”.

Background and Experience
John was one of my lecturers at the Royal School of Mines where among other topics he instructed me and my fellow students in the then new technology of Solvent Extraction and Electro-winning. A few years later I found myself working at the Nchanga Mine of Zambia Consolidated Copper Mines where the technology was being used at the Tailings Leach Plant in at the time the highest tonnage copper SX/EW plant in the world. Like so many of us in my age group I gained invaluable operating experience in the mines and plants of Zambia. I started in R&D and then transferred to the fantastic Kalengwa Mine in the late 1970s, this was towards the end of its operating life and we were processing “low grade ores” at about 2.5% copper, in its heyday the grade from the pit was more than 30% copper and was crushed and shipped as converter flux. This was the days before mobile phones and the wide spread use of the internet and we really were isolated from the Copperbelt which was about 400kms away by laterite road, although there was an airstrip for senior management’s flying visits. The most eagerly awaited delivery was the beer truck. The photograph featured below is an aerial photo of the site which will no doubt bring back memories to some of you. I then moved on to the Chambishi Concentrator and ended up at Nchanga running the East and West Mills.

What did you do next?
When I left Zambia in 1992 I eventually got a job with Techpro Mining & Metallurgy which bought me back to Zambia working on some of the development projects of ZCCM. Techpro was merged into IMC, now part of the DMT group, as part of the ZCCM privatisation process where I worked on many international projects including my first introduction to mining in Greece. I left IMC and stared up as an independent consultant in one of the, what seems to be unavoidable, slumps in the industry and work was hard to come by but one of my assignments led to being appointed as Senior Metallurgist with European Goldfields Limited who were developing projects in Romania and Greece which included the Skouries copper and gold project and their other sites at Olympias and Stratoni. European Goldfields was taken over by Eldorado Gold in 2012 who have moved the projects forward and were well advanced with construction and it is a great pity to read of the halting of activities there due to permitting issues which are probably related to the political ructions in Greece and I can only hope that these are quickly resolved and Eldorado restart activities. Greece certainly needs the investment and the jobs it brings.

Where do you work now?
Since leaving European Goldfields, I have set myself up again as an independent consultant this time as Francis Minerals Consulting Limited and am keeping myself as busy as I wish to be, having been engaged on base metal and gold projects in many locations in the mining world. This allows me time to be involved in the MP&EM Board and other related IOM3 activities. It was certainly exciting to be serving on Council when the Institute moved from the rather wonderful 1 Carlton House Terrace building, rented from the Crown Estates, to the very impressive 297 Euston Road London base which is freehold and is a major factor in securing the long term future of the Institute. This has been fully reported in issues of Materials World magazine. The Institute serves its members and without members it will cease to exist and I urge you all to encourage your colleagues and fellow professionals in the industry to join.

What do you enjoy in your spare time?
I enjoy my free time by travelling with my wife, Vivien and following sport. I am looking forward to the Rugby World Cup and still manage to go to the occasional rock concert, the latest being AC/DC at Wembley all of whom are also of advancing years. There may be a lesson for us all here, keep doing what you enjoy doing as long as you can.
IOM3 has moved!

During the 2014 rent review for the Institute’s London office, the Crown Estate (our landlord) provided an offer to purchase the remaining portion of the Carlton House Terrace lease. The Institute Trustees carried out a detailed review of the proposal and reached a unanimous decision to surrender the lease and to seek an alternative London location.

The Institute’s London office relocation strategy, highlighted in detail in the August 2014 issue of Materials World, was further developed by IOM3 Trustees. A vote by Council to acquire the freehold of an office building on Euston Road was approved and we have now formally completed this purchase.

The move to the new premises has taken place and all correspondence to London staff should be directed to our new address:

The Institute of Materials, Minerals and Mining (IOM3)
297 Euston Road
London
NW1 3AQ
Tel: 020 7451 7300  Fax: 020 7837 0766
Website: www.iom3.org

Have you enjoyed this first edition? If so, contact us! What would you like to see covered in future editions of this newsletter? Please get in touch….

Emma Hosking (Newsletter Editor)
Email: E.Hosking@hotmail.co.uk

Members of the Board:

Tony Francis (Chairman)  Francis Minerals Consulting Ltd; francismet@aol.com
Stephen Barnett  Independent Consultant
Mike Brooks  Independent Consultant
Mike Butler  Jacobs
Mike Cave  Mike Cave Pyro Ltd
Professor Hylke Glass  Camborne School of Mines
Emma Hosking  Jacobs
Dr R Vasant Kumar  University of Cambridge
David Meadows  Bechtel Mining and Metals
Professor John Monhemius  Anglo Asian Mining plc
Angus Morrison  Royal School of Mines
Dr Stephen Neethling  Royal School of Mines