

Inside

IMTCE 2004
REPORT & HIGHLIGHT

3

CORROSION
ACTIVITIES

4

WELDING
ACTIVITIES

5

Seminar on
Modern Sample
Preparation

6

REGIONAL
ACTIVITIES

6-7

REGIONAL
CONFERENCE 2005

8

SECURITY ALERT!!!

**BEWARE OF FALSE
IMM COATING
INSPECTOR
CERTIFICATION
SOLD IN JOHOR.**

PLEASE CONTACT IMM TO AUTHENTICATE IMM
CERTIFICATE HOLDERS OR VISIT IMM WEBSITE.

**IMM FORMS
JOINT VENTURE
WITH INTER
MERGER GROUP**

**UP-LIFTING THE
MATERIALS
PROFESSION BY
JOINING IMM**

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Dr. Edwin Jong
 (Sarawak Shell Bhd)

**FALSE IMM COATING INSPECTOR
CERTIFICATES**

En Zainuddin Ishak, IMM President

IMM has never appointed any agent for the issuing of the above certificate. IMM shall issue the certificate only after the incumbent has successfully completed the certification program which is closely monitored by IMM Certification and Accreditation Committee (CAC). The public and industry are advised to check the IMM website or call our IMM Secretariat for verification of the certified IMM Coating Inspectors before engaging them.

**IMM FORMS JOINT
VENTURE WITH
INTER MERGER GROUP**

IMM Resources Sdn. Bhd., (IMMR), a wholly-owned company of the Institute of Materials, Malaysia (IMM), has entered into a joint-venture agreement with the Inter Merger Group to set up an educational institution providing specialized skills courses in Materials Technology. A Memorandum of Agreement was signed between the two parties on 12th January, 2004 in Kuala Lumpur. The name of the joint-venture company approved by the Suruhanjaya Syarikat Malaysia is "Materials Technology Education Sdn. Bhd." (MTESB).

This joint-venture company will commence officially by 1st January, 2005, and will take over the organizing of all IMM educational and technical certification courses.

Both IMM's existing Activity Organizers, Gading Institute Sdn. Bhd. (Peninsular Malaysia) and Telaga Management Services Sdn. Bhd. (Sarawak) will cease to organize the IMM courses by 31st December, 2004.

ADVISOR

Dato' Dr. Hj. Mohd Ariffin Aton
 (SIRIM BERHAD)

PAST PRESIDENTS

2000 – 2004 : Dr. A Rahim Mohd Nor
 1996 – 2000 : Dr. Samad Solbai
 1988 – 1996 : Dato' Dr. Hj. Mohd
 Mansor Salleh



Signing ceremony witnessed by Datuk Seri Law Hieng Ding and some of the guests.

MTESB will set up its office in K.L. by October 2004 to get itself ready to take over the organizing of the IMM courses. IMMR's executives, En. Ahmad Faisal and En. Noor Azman, will be transferred to MTESB.

The IMM will issue notice to all members once the address and contact numbers of MTESB has been confirmed.

The Council of IMM wish to thank all its members for their support during the past few years in enrolling through Gading Institute and Telaga Management Services.

The Council of IMM also wish to express its gratitude to both Gading Institute and Telaga Management Services for their assistance in organizing IMM activities during the past few years.

IMTCE 2004 REPORT & HIGHLIGHTS



Speaker presenting in one of the symposiums.

4th International Materials Technology Conference and Exhibition 2004 (IMTCE 2004) was held on 23rd – 25th March 2004 at Hotel Istana, Kuala Lumpur, Malaysia. "Initiatives and Innovations in Materials for Sustainable Development" was chosen as this year's theme. The conference comprises four symposia which were Advances in Plastics and Rubber Technology, Corrosion Management, Metallurgy and Welding Technology and Advanced Materials and Composites.

IMTCE 2004 was officiated by Y Bhg Dato' Dr. Mansor Salleh, former advisor of IMM, representing the then Minister of Science, Technology and The Environment, Datuk Seri Law Hieng Ding.

Two plenary papers were presented in the first day of the conference entitled "The Role of Materials Technology in Developing a Sustainable Economy" by Prof. Paul Hogg from Queen Mary University of London and "Changing Pattern in the Education

Over 80 papers were presented including keynote papers from various countries such as UK, USA, Australia, Japan, Indonesia, Singapore, Norway, Iran, Scotland and China.

and Training of Materials Engineering: Meeting the Challenge of Accreditation" by Dr. Ken Strafford from Institute of Materials, Mining and Minerals, UK.

Over 80 papers were presented including keynote papers from various countries such as UK, USA, Australia, Japan, Indonesia, Singapore, Norway, Iran, Scotland and China. There were also delegates from various agencies in Malaysia like MINT, MTDC, UKM, USM, UTM, UiTM, UMS, Malaysian Rubber Board, Petronas, SIRIM Berhad, and Sarawak Shell Berhad.

There were also 20 companies took part in the exhibition.

IMM would like to express our deepest gratitude to all delegates, exhibitors, invited speakers, supported organizations, session chairmen, honourable guests and all those who have helped to make this event a success.

IMM would like to thank to Malaysian Airline Systems (MAS), IMTCE 2004 Official Airline ; JEOL, Silver Sponsor ; Inter Merger Sdn Bhd, Opening Ceremony Lunch Sponsor and OGP Technical Services Sdn Bhd, Golf Tournament Sponsor for their kindness for being the sponsors.



Group photo of Organizing Committee and one of the exhibitors.

Last but not least, we at IMM hope that this IMTCE 2004 has presented an excellent platform for networking, exchange of knowledge and information between individuals and business opportunities and strategic partnership between delegates and others who took part in IMTCE 2004. The next conference is planned to be held in June 2006 in Kuala Lumpur.

Conference proceedings (in CD) are available. To purchase please contact En Ahmad Faisal Mohd Fiah or Puan Rohaya Rahim at +603-51218228 or +603-51226352 (D/L) or email : iomm@po.jaring.my

CERTIFICATION & ACCREDITATION COMMITTEE

ASSOC. PROF DR. MOHD KAMAL HARUN, *Committee Chairman*

The C.A.C comprises of 2 Panels :-

- (i) The Certification Examination Panel " C.E.P. "
- (ii) The Professional Accreditation Panel " P.A.P. "

The terms of reference and the procedures for the conduct of examinations and professional accreditations are under the purview of this committee. This committee is also the custodian of the Code of Ethics of the Institute.



CORROSION COMMITTEE

EN JOHAR JUHARI, *Committee Chairman*

IMM Corrosion Committee which is led by En Johar Johari had successfully conducted two sessions of Coating Inspector Recertification Course from 12th to 15th of April and 7th to 10th of June 2004 respectively held at Holiday Villa Hotel, Subang Jaya. Dialogue had also been held to discuss certain issues with regard to coating inspectors. Corrosion Committee also has planned for a Half Day Coatings & Cathodic Protection Seminar on 20th August 2004 jointly organized with IMM East Coast Region Committee.

Appointment of Corrosion Committee members to be announced in 3rd week of July 2004. We welcome participation from all IMM Members and Industry players in cooperating with us for a good of the IMM and Corrosion Industries.



Participants listening to the lecture and presentation by the speaker.

AFFILIATIONS COMMITTEE

DR. A RAHIM MD NOR,
Committee Chairman



This committee involves affiliations with other organizations and professional bodies domestically and internationally with the objective of improving networking and promoting IMM's objective. So far IMM has signed MOUs with Institute of Materials, Mining and Mineral (IoM3) UK and Singapore Welding Society (SWS). IMM has also been accepted as a member of Confederation of Scientific and Technological Association in Malaysia (COSTAM) and Balai Iktisas Malaysia ((BIM) Malaysian Professional Centre) since middle of 2003. We plan to establish closer relationship with any Institute or society particularly in this region in order to enhance IMM activities or interest.

ASIAN WELDING STANDARDIZATION FORUM AND THE FORMATION OF ASIAN WELDING FEDERATION (AWSF)

Dr. Samsudin Bani, Welding Committee Chairman

Welding Committee of IMM and Singapore Welding Society organized a half day forum on the above subject on 14th May, 2004 at SIRIM Bhd. In the forum, Mr Ang Chee Peng, President of The Singapore Welding Society and Chairman of the Asean Welding Federation explained the concept of the Manpower Optimization Scheme (MOS) which will gear towards the harmonization of welders in Malaysia and Asia in the near future.

Representatives from government authorities, clients and project owners like Petronas Carigali, Shell, ExxonMobil, Shell, OGP, SIRIM, DOSH, MLVK, and CIDB etc attended. Following to the forum, a Pro-Tem Committee was formed, where members were elected amongst the attendance, to look into concept and contribute ideas for implementation suitable for Malaysian industry.

The Objectives of the Forum are as follows;

1. To co-ordinate the efforts in standardization of welding standards in the Asia-Pacific.
2. To present a common platform at the ISO TC 44 Committee.
3. To promote a greater efficiency for welding for all related industries.
4. To lower costs by improving the economy of the region.

**The MANPOWER
OPTIMISATION
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the member countries.**

The MANPOWER OPTIMISATION SCHEME (MOS) is the intention of the AWSF to adopt a standardized welder qualification programme among all the member countries. Singapore Welding Society has already implemented the "iMOS" programme with the backing of the Oil & Gas & Petrochemical Operators and the Government agencies. The iMOS qualifies welders once and monitors the registration of these welders via WQTs, and standardizes WPSs & PQRs, thus reducing costs of re-qualification and yet maintaining the skills standards. Japan Welding Engineering Society has accepted the concept of iMOS in Japan and expects implementation soon.

The benefits of iMOS are as follows:-

- A harmonized skills management system
- Sharing of a common pool of skilled manpower
- Assurance of quality and skills standard
- Reduce costs in welder qualifications
- Upgrade and maintain skills
- Skills qualification and certification system

In Malaysia, the Institute of Materials, Malaysia (IMM), through its Welding Committee, will co-ordinate the iMOS and will need the backing of the Oil & Gas Operators and Government agencies, too. The IMM has identified Petronas Carigali Sdn. Bhd., Sarawak Shell Berhad, ExxonMobil Exploration & Production (M) Inc, SIRIM, CIDB, and DOSH to collectively support the implementation of iMOS in Malaysia.



Some of the guests during the presentation



Questions and answers session chaired by Dr. Samsudin Bani (in blueshirt). Also seen here (from left) Dr. Teh Ser Kok, Mr. Ong Hock Guan and Mr Ang Chee Pheng (far right)

NON-DESTRUCTIVE EVALUATION (NDE) COMMITTEE

DR. ABDUL AZIZ MOHAMED, Committee Chairman

This is a new committee under IMM and we need member support to become active committee members. Those in Negeri Sembilan, Selangor & Wilayah Persekutuan (Kuala Lumpur & Putrajaya) are preferable. Please contact IMM Secretariat if interested.

EAST COAST COMMITTEE

HARRY WOON, Committee Chairman

To revive the East Coast Committee (ECC) a drive to get IMM Members to participate as Committee Members for the East Coast in Febuary had not been successful. Out of 40 e-mails and faxes sent to various organizations, only a handful replied. East Coast requires 10 IMM members to form the ECC for the promotion of materials technology and IMM activities for the benefit of members in Pahang, Trengganu and Kelantan. Participation will not be too much of a burden to members, attendance is not compulsory and can be on rotation basis. The committee shall decide on the frequency of ECC meetings and activities.

Interested members please contact Harry Woon,
Telephone No. : 09-5833131
Or Email hwoon@brederoshaw.shawcor.com

SEMINAR ON MODERN SAMPLE PREPARATION AND COLOUR ETCHING INCORPORATING MICROHARDNESS TESTING 2004.

This seminar was held on 7th April 2004 at Podium Block, Kompleks Dayabumi, Kuala Lumpur, Malaysia. The seminar was jointly organized by IMM, CLMO Technology Sdn Bhd (BUEHLER, Malaysia), University Teknologi Malaysia and Universiti Kebangsaan Malaysia.

The speaker for this seminar was Mr. George Van der Voort, Director of Research and Technology, Buehler. He shared his expertise and experiences on the latest techniques of sample preparation of various materials.

Over 30 participants from various companies mostly involve in car making, semi-conductor, polishing and academics attended the seminar.

We at IMM would like to thank to CLMO Technology Sdn Bhd, University Technology Malaysia and Universiti Kebangsaan Malaysia for their keen effort of bringing this seminar possible.

SOUTHERN REGION COMMITTEE

EN. NOOR HISHAM, Committee Chairman

The IMM Southern Region Committee led by its new chairman, En. Noor Hisham once again successfully organized a short-course on Advance Metallography & Microstructured Analysis 2004. It was held from 17th - 18th March 2004 at UTM, Skudai and participated by 24 participants from various industries and institutions.

This short-course is yearly course held by IMM Southern Region Committee. Although we had received nearly 30 request to participate, unfortunately we had to turn down a few due to limitation of seats. Here we would like to apologize to those we turned down. We also would like to express our deepest gratitude to those who had contribute to the success of this short-course.

SARAWAK COMMITTEE

DR EDWIN JONG, Committee Chairman

New Office Bearers (2004 –2006 Session) for The Institute of Materials Malaysia, Sarawak Committee

The Institute of Materials Malaysia (IMM), Sarawak Committee has nominated her new Board of Committee for the 2004-2006 session. This was announced by the new IMM Sarawak Committee Chairman, Dr. Edwin Jong at its first Committee Meeting in May 2004. Dr Edwin becomes the successor of Puan Hj Maimunah Ismail whose term expired in accordance with the IMM requirements. Dr Edwin Jong was also the Chairman of Welding Committee for IMM national level before taking his new role as the Chairman for IMM Sarawak Committee. Puan Hj Maimunah subsequently is appointed as Advisor to the IMM Sarawak Committee in recognition of her active roles and contributions within IMM and in the field of Materials Science and Corrosion Engineering.

The new committee member comprises skilled personnel of various technical background and expertise. They are also representing various industries, both oil and non-oil sectors as reflected above.

Dr Edwin Jong says, he will continue with existing framework of IMM and expressed confident that IMM will continue with its active roles in the disseminating of information and knowledge in the Materials Science and Technology to members and public. He call upon the new office bearers to continue to work closely with one another in bringing the IMM Sarawak to a greater height than before, especially that IMM Sarawak have been recognized as being one of the most active committees in the country. He further advised committee members to remain committed to their task and target. He also announced that plan is being made to organize more IMM functions including various technical talks and seminars. One of the highlights for 2005 is the second forthcoming IMM Regional Materials Engineering Conference, which will be held in Miri sometime in August 2005.

IMM Sarawak Committee successfully conducted a Technical Talk on the use of Computed Radiography (CR)

DR. EDWIN JONG, Sarawak Committee Chairman

The Institute of Materials Malaysia, Sarawak committee recently conducted a technical talk on the applications of computed Radiography (CR) as an advanced non - destructive testing (NDT) technique. The technical talk was given by Mr Tee Kim Tsew of Lott Inspection, Labuan.

It was attended by IMM S committee members, and other interest parties including its Chairman Dr. Edwin Jong. According to its Secretary, Telajan Luyoh, this is part of the ongoing talks periodically organized by IMM Sarawak committee to enlighten their members and interested parties on the latest technology in the field of inspection engineering as well as within the Material and Corrosion Engineering that are available in the market. In his closing remark after the technical discussion, he thanked Lott Inspection for sharing the technical knowledge, which was very beneficial and informative. "We want to spread the knowledge on material science and other inspection related techniques that can be applied economically viable and practically to wide range of industries and business, particularly to the oil/gas sector as much as possible for public consumption and awareness", With this technique, it is possible to make the invisible become visible and to make a confident decision whether to accept or reject the components, he said.



Participants during the presentation. Dr. Edwin Jong is seated second from left.

The mentioned inspection method is being used by some oil / gas operators, and the technology is now available in the Country. Dr Edwin Jong invites those who would like to attend future technical talk by IMM S to contact the IMM secretariat office at 085-410243 or email: ciruser@tm.net.my. Interested parties can also contact any of the IMM S committee members.

NORTHERN REGION COMMITTEE

ASSOC. PROF. AHMAD FAUZI, Committee Chairman

List of Committee

Chairman : Assoc. Prof. Dr. Ahmad Fauzi Mohd Noor

Deputy Chairman : Prof. Dr. Hanafi Ismail

Secretary : Dr. Hazizan Md Akil

Treasurer : Dr. Norlia Baharun

Committee Member :

Assoc. Prof. Dr. Zainal Arifin Ahmad

Assoc. Prof. Dr. Luay Bakir Hussin

Dr. Nurulakmal Mohd Sharif

Mr. Samayamuthirian Palaniandy

Dr Mariatti Jaafar

Internal Auditor

Assoc. Prof. Dr. Rizal Astrawinata

Dr. Sabar D. Hutagalung

X-Ray 2004

School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia together with Institute of Materials Malaysia (Northern Region) and XAPPs/MNS Malaysia had successfully organized a two days workshop on "X-Ray Analysis and Its Application" at the School of Materials and Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia on the 2nd -3rd June 2004. The objectives of the workshop were to enhance as well as exchange of experiences and research work/ findings in X-Ray application in Materials and Mineral Resources Engineering. A number of 30 participants from various higher learning institution and research centers in the northern region such, Universiti Sains Malaysia, Northern Malaysia University College of Engineering (KUKUM) and Advance Materials Research Centre (AMREC). The workshop was officiated by Assoc. Prof. Ahmad Fauzi, Chairman of IMM Northern Region/Deputy Dean SMMRE USM.

X-Ray Diffraction and X-Ray fluorescence analytical techniques were the main focus of the workshop where its covers the proper sampling techniques for accurate results, the fundamental aspects of XRD and XRF techniques, practical session and also the application of both techniques in materials and minerals research. The topics covered in the workshop were basic of the X-ray generation and application in XRD, XRF and EDX, sample preparation for X-Ray analysis, Qualitative and Quantitative XRD, XRF analysis -theory and practice and application of WDXRF and EDXRF. These topic were delivered by Assoc. Prof. Dr. Hj. Ahmad Fauzi, Assoc. Prof. Dr. Hj. Zainal Arifin A. and Mr. Samayamuththirian P. The workshop were successfully completed on the 3rd June 2004 with a closing ceremony speech by the workshop secretary Assoc. Prof. Dr. Hj. Zainal Arifin Ahmad and certificate presentation.

2ND REGIONAL MATERIALS ENGINEERING AND TECHNOLOGY CONFERENCE AND EXHIBITION

11th -12th AUGUST 2005

MIRI, SARAWAK

Organized By: IMM SARAWAK COMMITTEE

The Institute of Materials, Malaysia (IMM), Sarawak Committee will be organizing its 2nd Regional Materials Engineering and Technology Conference and exhibition from 11th - 12th August 2005 in Miri.

The theme of the conference is "The Role of Materials on Asset Integrity"

The conference will cover the various industries such as Oil & Gas sector, Manufacturing Technology sector, Marine industry, Building & Civil & Architectural industry, Chemical, Polymers & Cements sectors, Wood base & Pulp and Paper industry, Rubber, Mining, as well as Transport & Telecommunication industries. Mr Telajan Luyoh has been appointed as the Organizing Chairman whereas Dr. Edwin Jong will be the Conference Chairman.

The objectives of the Regional Technical Conference are to share amongst the regional professionals on the advancement of science, engineering and technology, to encourage local education in Materials Science and Engineering, to promote research and development in the fields of materials science and technology and to encourage collaboration between the industrial sectors, research industries, manufacturing industries, and Universities, etc.

**IMTCE 2006
CALL FOR PAPERS
JULY 2006,
KUALA LUMPUR MALAYSIA**

The 5th International Materials Technology Conference and Exhibition will focus on new technologies and lessons learnt. Over 10 technical symposiums will be held covering advanced materials, composites, nanotechnology, ceramics, metals, polymers, rubber, plastics, wood & timber, minerals, mining, corrosion, welding, exotic materials, concrete, paints & coatings, and other non-metals.

Interested authors are requested to submit their abstracts containing not more than 200 words to the IMM Secretariat before 31st March 2005.

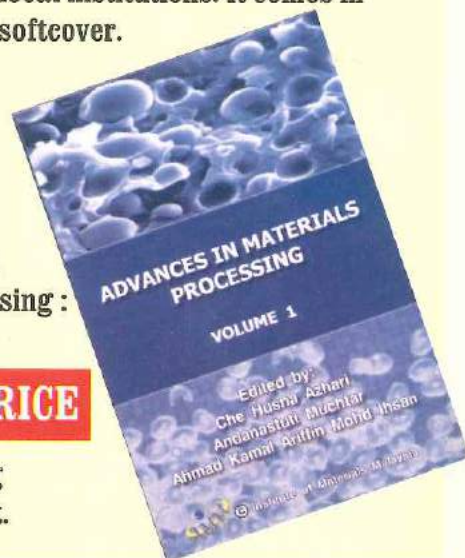
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INSTITUTE OF MATERIALS, MALAYSIA

Lot 1908, Batu 7, Jalan Bukit Kemuning, 40460 Shah Alam, Selangor, Malaysia.

Tel: +603-51218228 Fax: +603-51216116/+603-51219413 Tel/Fax (DL): +603-51226352

Email : iomm@po.jaring.my URL : www.iomm.org.my

Operating Company: IMM RESOURCES SDN. BHD. (533109-M)