

# IMM NEWSLETTER

## INSIDE THIS ISSUE:

<i>President's Message</i>	3
<i>New IMM Advisor</i>	5
<i>MESO of TARC</i>	8
<i>Activities &amp; Events</i>	11
<i>IMM/MTIS Courses</i>	15

## Special points of interest:

- IMM 21st AGM
- Technical Visit
- Green Materials Seminar
- Golf Invitational Tournament
- 3rd Regional Materials Technology Conference

## ASSOCIATED WELDING ENGINEER

Held in Malaysia for the first time



The pioneer group of AWE participants

**T**he welding community especially in the Oil & Gas, marine and ship-building sectors in Malaysia received a huge boost recently when the Associate Welding Engineer (AWE) training course under the Japan Welding Engineering Society (JWES) Welding Coordination Personnel Scheme was conducted in Kuala Lumpur for the first time from 17<sup>th</sup> to 24<sup>th</sup>

January 2011.

The training course is financially supported by the Japanese Government under the Ministry of Economy Trade and Industry (METI), and implemented by the Association for Overseas Technical Scholarship (AOTS), together with the Japanese External Trade Organization (JETRO) Kuala Lumpur, in collaboration with JWES and the joint organizers – Institute of Materi-

als, Malaysia (IMM) and Malaysian Welding Joining Society (MWJS).

A total of 30 Malaysian applicants from different regions within the country were selected after undergoing a stringent selection process by the aforesaid organizations. The six-day intensive training culminated with a written examination on the 7<sup>th</sup> day. Successful candidates would be awarded with Certificates

# IMM COUNCIL MEMBERS 2010 - 2012

**Advisor:** DATUK IR YEOW KIAN CHAI - PETRONAS  
**President:** DATO' DR ONG ENG LONG - Kossan Rubber Industries Bhd  
**Dep. President:** PROF DR MOHAMAD KAMAL HARUN - Universiti Teknologi MARA  
**Hon. Secretary:** IR MAX ONG CHONG HUP - Norimax Sdn Bhd  
**Hon. Treasurer:** IR MOHD SURADI YASIN - MTE/OSFAM

**Immediate Past President:**

ZAINUDDIN ISHAK - Ingress Fabricators Sdn Bhd

**Council Members:**

DATO' IR MOHD JAI SUBOH - Velosi (M) Sdn Bhd  
 DATUK IR WAHIRUDDIN WAHID - Offshore Works Sdn Bhd  
 PROF DR AHMAD FAUZI MOHD NOOR - Universiti Sains Malaysia  
 PROF DR CHE HUSNA AZHARI - Universiti Kebangsaan Malaysia  
 PROF DR ESAH HAMZAH - Universiti Teknologi Malaysia  
 ASSOC PROF DR ANDREW SPOWAGE - U of Nottingham M'sian C  
 DR ABDUL AZIZ MOHAMED - Agensi Nuklear Malaysia  
 DR AZMI IDRIS - SIRIM Bhd  
 DR TEH SER KOK - Metallurgical Consultant  
 ABDUL RAZAK HURAIRAH - Morecap Sdn Bhd  
 CHRISTOPHER KETTLE - Sarawak Shell Bhd  
 DAVID LIM CHEE CHEONG - ExxonMobil E & P (M) Inc  
 ENG KIM LENG - EKL Ventures Sdn Bhd  
 FRANKIE CHUA CHENG HUAT - PLC Laboratory Sdn Bhd  
 HARRY WOON - Bredero Shaw (M) Sdn Bhd  
 JOHAR JUHARI - Kencana Petroleum Bhd  
 KANG KIM ANG - Corrtrol Corrosion Sdn Bhd  
 MAIMUNAH ISMAIL - Projects and Engineering Services (Shell P&T)  
 MOHD TAJUDIN ALIAS - MTE Sdn Bhd  
 NIGEL PATRICK BREWITT - MTIS Sdn Bhd  
 NOOR HISHAM ABDUL HAMID - UTM - PJSB  
 SITI HASLINA - PETRONAS Research Sdn Bhd  
 TUNGKU NOR MANIRA - Norimax Sdn Bhd  
 YII MING SING - Malaysia LNG Sdn Bhd  
 ZAMALUDDIN ALI - PETRONAS

**Chairmen of Regional Chapters/Committees:**

**Welding:** DR EDWIN JONG - Shell Deepwater Group  
**Kuching:** NUZUL ADZWAN BIN SULAIMAN - Brooke Dockyard  
**Labuan:** JOHN WONG PAK KUNG - Fumiko Sdn Bhd  
**Northern:** PROF DR HANAFI ISMAIL - Universiti Sains Malaysia

**IOM3 (Malaysian Branch) Representative:**

DATUK FATEH CHAND

**Past Presidents:**

1988-1996 PROF DATO' DR HJ MOHD MANSOR HJ SALLEH - Universiti KL  
 1996-2000 DR IR SAMAD BIN SOLBAI - PT Gunanusa Utama Fabricators  
 2000-2004 DR AB. RAHIM BIN MOHD NOR - Teras Duta Sdn Bhd



*"To become the  
 authority on materials  
 science technology &  
 engineering in Malaysia  
 by 2020"*



## PRESIDENT'S ADDRESS FOR THE 21<sup>ST</sup> AGM OF IMM



Dato Dr Ong Eng Long

Dear IMM members,

This is the time of the year for us to review the activities, achievements and shortcomings of IMM for the year 2010 and to see how we can improve further in 2011.

I am glad to report that 2010 can be considered a busy and fruitful year for IMM. We organised many activities and functions through our Working Committees and Regional Chapters that promote the professional development of our members and the advancement of materials science, technology and engineering in Malaysia. As a result of our efforts, we now have 3220 members and 175 company members as at 31<sup>st</sup> December 2010.

The 20<sup>th</sup> IMM AGM was held on 19<sup>th</sup> March 2010, and elected 10 council members for 2010/2012 session. Members present at the AGM actively discussed issues related to the development of IMM. The council subsequently co-opted additional 15 members to the council. I am glad to report that eleven council members are serving the council for the first term. This will provide continuity and new ideas and directions to IMM.

### IMM Advisor 2010/2012

IMM welcome our new Advisor Y. Bhg. Datuk Yeow Kian Chai (PETRONAS) who has been appointed for a three year session from 2010 to 2012. With his vast experience in the oil and gas industry and being a former Council member of IMM, Y Bhg Datuk Yeow will definitely provide useful guidance to enhance the activities of IMM to greater heights. IMM also expressed its deepest appreciation to Y Bhg. Dato' Dr. Mohd Ariffin, who as the IMM Advisor for 2007-2009, offered his time and services during his tenure to IMM and has helped IMM organised numerous successful international conferences and seminars.

### IMTCE 2010

The highlight of the IMM's activities in 2010 was the 7<sup>th</sup> International Materials Technology Conference and Exhibition (IMTCE 2010) which was held in Kuching 13-16 June 2010. This was also the first time that IMTCE was held outside the Peninsular. IMM is most grateful to the Yang Amat Berhormat Pehin Sri Haji Abdul Taib Mahmud, Chief Minister of Sarawak for gracing and officiating the opening of the IMTCE 2010. We had more than 100 papers presented and some of these papers will be published in the June issue of Journal of Science & Technology in the Tropics.

The 8<sup>th</sup> International Materials Technology Conference and Exhibition (IMTCE 2012) will be held in July 2012. The target number of delegates will be 1,000 with majority from international presenters. Al-

though we have received invitation to again organise the event in Sarawak, we have to organise IMTCE 2012 in Kuala Lumpur due to the large number of participants expected and the logistics that follow. We look forward to your continuous support and commitment and we hope that you will be able to volunteer your service to serve at the various organising committee and sub-committees to ensure that the IMTCE 2012 will be a successful one.

### Committees and Regional Chapters

Arising from the hosting of IMTCE 2010 in Kuching, the Regional Chapters in East Malaysia have been stimulated to plan and implement their various activities with the support provided from the Headquarter. The sustainability of their enthusiasm will see greater contributions from these Regional Chapters.

IMM continue to create opportunities to facilitate knowledge and technology transfer. In 2010, IMM witnessed the first meeting of the two new working committees the "Green Materials Committee" and the "Vibration Committee". The former will be tasked to look into the development of educational program to educate the public about the correct concept of 'green materials' while the latter to identify and validate standards and test methods related to vibration.

### Coating Committee Restructure

Not being satisfied as the committee that conducted most number of courses in 2010, the chairpersons of the Coating Committee committed to revamp and to restructure the Committee. The main objective of the restructuring is to ensure that IMM coating related certification programs continue to be relevant and recognized. This is also to protect IMM representation status in this industry especially in the oil and gas sector. We agree that IMM should continue to be an independent body that provide to the Malaysian industry, coating related guidance and guidelines to ensure compliance to the industry standards. In addition to the current coating committee members, representatives from the coating industries will also be recruited into the committee. It is envisaged that Thermal Spray Applicators will also be invited to participate as IMM is moving forward to conduct Thermal Spray application training.

### Are We Connected?

Successful communication among IMM members requires effort. The frequency of publishing of our newsletter is only twice a year and it is not the quickest way to get in touch with members. Our website will require new updates from time to time, which unfortunately is not happening. I have at-



## PRESIDENT'S MESSAGE (Cont/-)

tempted to introduce blogging (see page 10 for the blogging address) but I have not received any positive feedback from members. I wish more members can come forward to help us to find ways in reaching out. Any suggestions are most welcome.

I would also like to propose that in every issue of IMM Newsletter, we can have one or two advertorials for our company members. The companies selected are encouraged to purchase additional copies of the newsletter for distribution to their clients. I also propose that we do profiles of people in the materials industry, initially perhaps two Fellow members in each issue. Eventually, the published information can be compiled into "Who is Who" in the materials fraternity in Malaysia.

### Student Chapters

We have not forgotten the students from universities and polytechnics who are pursuing courses in materials science and materials engineering. IMM hopes to have a formal connection with the students and lectures by creating IMM-Varsity/Polytechnic Student Chapter. This will provide opportunities for lecturers and students to interact with industry through various joint activities such as:-

- IMM will bring industry speakers to present career talks to students.
  - IMM can assist to arrange for technical visits to the power plants, oil & gas fabrication yards, oil & gas equipment manufacturing factories, and other materials technology-related manufacturing facilities.
  - IMM can assist to source for industrial training placements with materials technology-related industries for students and provide opportunities for students getting employment immediately after graduation.
  - IMM can collaborate with universities/polytechnic colleges to organize materials technology seminars and conferences to bring industrialists, researchers, and governmental organizations to interact with the students and lecturers.
- Discussions on MOU execution with a few universities are on-going. The setting up of the Student Chapters should materialise in 2011.

### International Participation

IMM welding committee had numerous meetings with the Singapore Welding Society and the Asian Welding Federation (AWF) to promote the Manpower Optimization Scheme. On 22 -23 April 2010, IMM participated at the 13<sup>th</sup> Asian Welding Federation Governing Council Meeting in Tokyo. IMM will subsequently sign an MOU with the Japanese Welding Engineering Society (JWES), the Malaysian Welding and Joining Society (MWJS) to run and manage the JWES Welding Coordinator Scheme comprising the JWES Associate Welding Engineer (AWE), The Welding Engineer (WE) and Senior Welding Engineer (SWE). Once the MOU has been signed, Malaysia will organise the first JWES Associate Welding Engineer course and examination in 2011.

### Moving Forward

For over twenty years, we believe we have tried to make IMM as a strong professional scientific organisation. However the only recognition perhaps comes from the oil and gas industry in Malaysia, while many are still not aware of our position as the pioneer in developing and strengthening the materials profession and advancing the science of materials in Malaysia. Entrusted with the vision for **IMM To Become the Authority on Materials Science, Technology and Engineering in Malaysia by 2020**, we must be more active to achieve this vision. The IMM management committee has held in-depth discussion and agreed to the proposal of the Hon. Secretary that we should open up IMM by providing free "Ordinary Memberships" to existing members of other recognised Institutions and Associations in Malaysia such as IEM, IKM, PRIM, MDA and MMA etc. The main objective is to attract more participation from members of the public as well as members of other professional societies because 'Materials' is a topic involving everyone. We hope you will support our proposal.

Finally I would like to express my sincere gratitude to all Council Members, members of working committees and regional chapters and all IMM members who have continued to offer their voluntary services to IMM. The contributions from the staff of the IMM Secretariat and Materials Technology Education Sdn. Bhd. (MTE) are also greatly appreciated.

I am confident that IMM will rise to greater heights in 2011 in the pursuit of excellence in science, technology and business across the evolving community of materials in Malaysia.

## AWE COURSE IN MALAYSIA

*Continued from Page 1*

of Competence by JWES in compliance with the Japanese Industrial Standard (JIS Z 3410: 1999 - ISO14731: 1997) and WES 8103: 2008. Under this technical certification scheme, all certified AWE holders will be subject to surveillance after the initial two-year duration, when they are required to submit their welding performance records/documents for assessment/evaluation in order to continue their respective certification. On the 5<sup>th</sup> year, all competent AWE welding engineers are to undergo the JWES refresher course in order to update their welding technical knowledge and thus to keep abreast with the advancement of welding technology.

The AWE in the welding engineering scheme, will lead to Welding Engineer (WE) and to Senior Welding Engineer (SWE). The SWE is equivalent to the IIW IWE under the European Welding Engineering (IIW) qualification scheme. The next AWE and WE courses is tentatively scheduled in September 2011, the venue will be advised later!

Dr Edwin Jong, Chairman of IMM Welding Committee, commented: "Qualified welding engineers under this certification scheme can enjoy good employment opportunities, remuneration and career advancement in the country where such professionals are highly sought after."



## IMM ADVISOR INAUGURATED

**A**t a lunch ceremony held on 27 December 2010, Y. Bhg. Datuk Ir. Yeow Kian Chai was officially presented a certificate in recognition of his appointment as the IMM Advisor of 2010-2012.

Being the current Chief Executive Officer of PETRONAS Carigali (Turkmenistan) Sdn Bhd., Datuk Ir. Yeow brings with him a host of experience, expertise and knowledge of materials science, engineering and technology to the institute, having served in PETRONAS for several years.

Datuk Ir. Yeow expressed his appreciation of IMM and the aspiration and service provided by the institute to the materials community in the country. His contribution, leadership and advice would lead IMM to greater heights..

On another note, the outgoing advisor Y. Bhg. Dato' Dr. Mohd. Ariffin Aton, was presented a memento at a dinner hosted by IMM in appreciation of his service in the last three years.



**Inception:** Datuk Ir Yeow Kian Chai (3rd from left) receiving the certificate from Dato' Dr Ong Eng Long. With them are Zainuddin Ishak (L) and Dato' Mohd Jai Suboh (R)



**Syabas:** Dato' Dr. Mohd. Ariffin Aton (4th from left) with other council members

## YOUNG PERSONS' WORLD LECTURESHIP COMPETITION (YPWLC) 2011

**Kuala Lumpur, September 2011**

Jason Meyers, a 4th year PhD student in materials science and engineering, won the 2010 YPWLC with his presentation on 'Enhanced Organic Photovoltaic Cell Performance Using Transparent Microlens Arrays'. 6 other contestants (from Malaysia, Singapore, Hong Kong, Portugal, UK and Ireland) took part in the event which

was held in Malaysia for the first time. Organized by the Institute of Materials, Minerals and Mining (IOM3) and its Malaysian branch, the competition was sponsored by Companhia Brasileira de Metalurgia e Mineracao (CBMM), and supported by Rolls Royce and the Malaysian Rubber Board (MRB).

## MANPOWER OPTIMISATION SYSTEM



The Manpower Optimization System (MOS) was introduced to oversee the continuous work experience of skilled tradesmen. It has now more than seven hundred workmen in its register. Those registered in MOS are automatically re-certified as long as their records are up to date and in order. The scheme is easily accessible to project owners, clients, fabricators and contractors who can seek qualified, experienced and skilled workers from the database via the internet.

For more information, call Primos at Tel: (603) 5882 3574 or visit [www.primos.com.my](http://www.primos.com.my) or email [info@mte.com.my](mailto:info@mte.com.my)

# IMM WORKING COMMITTEES 2010 - 2012

## Examinations, Certification and Accreditation Panel (ECAP)

Chairman: Dr Teh Ser Kok  
 Secretary: Kirk Keng Chuan  
 Co-Secretary: Azman Murad  
 Committee Members:  
 Maimunah Ismail (Corrosion)  
 Kang Kim Ang (Corrosion)  
 Johar Juhari (Coatings)  
 David Lim (Coatings)  
 Yeoh Tian Hock (Coatings)  
 Dr Edwin Jong (Welding)  
 Ismail Abu Bakar (Welding)  
 Noor Hisyam Noor Mohamed (Vibration)

## Coatings Committee

Chairman: Johar Juhari  
 Co-Chairman: David Lim  
 Secretary: Yeoh Tian Hock  
 Committee Members:  
 Dato' Udani bin Dato' Seri Mohamed Daud  
 Chong Horng Yih  
 Danny Tan  
 Frankie Chua  
 Ting Lai Liong  
 Wong Ing Chiew

## Corrosion Committee

Chairman: Maimunah Ismail  
 Vice Chairman: Kang Kim Ang  
 Secretary: Huraizah Zainal-Nor  
 Committee Members:  
 Muhamad Paizal Othman  
 Junaidy Abdullah  
 Eric Lay  
 Kenny Siew  
 Mohd Rais Sabiyah  
 Dr Dzaraini B Kamarun  
 Rozie Sazlee  
 David Lim  
 Jeffery Ngau Uvang

## Nanomaterials

Chairman: Dr Azmi Idris

## Composites Committee

Chairman: Siti Haslina Ramli  
 Secretary: Razman Marsoff Johar  
 Committee Members:  
 Dr KH Leong  
 Dr Caroline Jee  
 Zulkarnain Mohamad  
 Roslina Ismail

## Green Materials Committee

Chairman: Datuk Ir. Wahiruddin Abdul Wahid  
 Committee Members:  
 Arnold Denes  
 Dr Chen Sau Soon  
 Eng Kim Leng  
 Mohd Suradi Yasin  
 Frankie Chua  
 Max Ong Chong Hup  
 Abd Razak Huraiah  
 Pn Hj Maimunah Ismail  
 Hahnas Mahbut  
 Zamaluddin Ali

## Welding Committee

Chairman: Dr Edwin Jong  
 Vice Chairmen: Ismail Abu Bakar  
 Hj Ghalib Tham  
 Secretary: Md Hafidzuddin Mohd Salleh  
 Committee Members:  
 Dr Teh Ser Kok  
 Abu Bakar Mohd Arif  
 Prasad Rajan  
 Thomas Teo  
 Faisal Luis Amorsolo  
 Francis Su  
 Steve Yeong  
 Maruthamuthu Pushpanathan

## Vibration

Chairman: Noor Hisham Abdul Hamid

## Miri Chapter

Chairman: Chris Kettle  
 Secretary: Lai Kok Leong  
 Committee Members:  
 Duan Kelvin Seling  
 Mackenzie Soeret,  
 Liew Wei Yew  
 Sylvia Laggat,  
 Priscilla Henry

## Bintulu Chapter

Chairman: Yii Ming Sing  
 Vice Chairman: Leong Yin Chin  
 Secretary: Felix Bantin Ak Amit  
 Committee Members:  
 Chung Yih Yenn  
 Steward Siran

## Kuching Chapter

Advisor: Andrew Ronggie  
 Chairman: Nuzul Adzwan Sulaiman  
 Secretary: Wan Mohd Naguib Bin Wan Abd. Rahman  
 Committee Members:  
 Biran ak Atu  
 Dominic Christopher ak Keli

## Labuan Chapter

Chairman: John Wong Pak Kung  
 Secretary: Chrys Johanathan  
 Treasurer: Ooi Ling Lew  
 Committee Members:  
 Jeffery Ngau Uvang  
 Rohaiza Morshaid  
 Liew Ep Ping,  
 Bonaventure Petrus  
 Chieng Kung Lik,  
 M Lokman B Mat Nor

## Southern Chapter

Chairman: Prof Dr Esah Hamzah

## East Coast Chapter

Chairman: Harry Woon

## Northern Chapter

Chairman: Prof Dr Hanafi Ismail



## 3RD REGIONAL MATERIALS TECHNOLOGY CONFERENCE (3RMTC), MIRI

Carrying on from the success of regional conferences held in Miri in previous years, IMM announced the 3rd Regional Materials Technology Conference (3RMTC) which will be held on 26 and 27 April 2011 in a local hotel. Organized by the Miri chapter, the 2-day conference shall have oral and poster presentations, technical visits; exhibition, advertising and sponsorship opportunities as well as networking opportunities on the golf course.

Authors are invited to submit their papers covering materials science, engineering and technology on Coatings, Corrosion, and Welding Technology that are important in various industries, like Aluminium, Oil & Gas, Steel & Glass, Palm Oil, Port Management, Marine Engineering and Timber, especially in Sarawak where the state is promoting and developing these industries under the Sarawak Corridor of Renewable Energy (SCORE).

Members of the Fabrication, Materials Manufacturing, Corrosion & Coatings, Surface Preparation, Application and Inspection Technologies, Galvanizing, Materials Supplies & Distribution, Engineering, NDT & Contracting Works & Consultancies, Testing Equipment, Equipment & Tools Manufacturing, ICT Solutions, Health, Safety and



### 3RD REGIONAL MATERIALS TECHNOLOGY CONFERENCE

26 - 27 APRIL 2011  
IMPERIAL PALACE HOTEL, MIRI, SARAWAK

Organised by  
Institute of Materials, Malaysia (Miri Chapter)  
*Towards a Knowledgeable Skilled Workman*

#### 1st ANNOUNCEMENT AND CALL FOR PAPERS



Environment Control & Regulations, Education and Human Resource Training and Development, Decision Making, Oil & Gas Industries, Shipyard Engineering, Power Generations, Transportation industries and community will be very keen in 3RMTC.

For participation details, please contact the event organizer, Materials Technology Education Sdn Bhd (MTE) at Tel: (603) 5882 3574 or email: [info@mte.com.my](mailto:info@mte.com.my) or [iomm@po.jaring.my](mailto:iomm@po.jaring.my).

## IMM AGM, GREEN MATERIALS SEMINAR, TECHNICAL VISIT & GOLF INVITATIONAL



Several events are being organized by IMM in the next few months. Beginning with a technical visit organized by the IMM Composites committee, the visit to Hexagon Composites Engineering Sdn Bhd, a fiberglass composites product manufacturing factory in Nilai will start the day on Friday 18 March 2011.

Following the visit, the Green Materials committee will organize the 'Green Materials' Seminar in the afternoon. Topics on "Nanotechnology Paint: The Latest Evolution in Green Insulating Materials", "Nanotechnology Application in Green Materials" and "Thermal Spray Coating for a Better Environment" shall be pre-

sented by 3 distinguished speakers from the industry and academia. The day will conclude with the IMM 21st AGM.

Come 19 March 2011, the IMM Golf Invitational Tournament will tee off at the Nilai Springs Golf and Country Club. The golf course, with Nines named the Mango, Island and Pines Nines, offers lush tropical landscape with fairways and greens set against numerous sand and water hazards that challenge the amateur and the professional golfer.



## MESO HOMECOMING 'TOWARDS PROFESSIONALISM'



Kuala Lumpur,  
29 October 2010

The Materials Engineering Society (MESO) of the Kolej Tuanku Abdul Rahman (TARC) celebrated the Home Coming of its graduates. About 40 of alumni attended the event which was based on the theme 'Towards Professionalism'. Institute of Materials Malaysia (IMM) was privileged to be amongst their guests and speakers. Dr Edwin Jong, the Chairman of IMM Welding committee encouraged the graduates to be members of IMM where they can receive lifelong education in materials,

and networking opportunities. Mr. Kang Kim Ang, an alumni of TARC shared his "life story" and urged the students to be diligent in their studies. Dr Andrew Spowage, a Fellow of the Institute of Materials Minerals and Mining ( IOM<sup>3</sup> UK), highlighted the path to becoming a chartered engineer. The fresh graduates from Sheffield Hallem University then presented a short clip of their experience in the United Kingdom, which is a dream waiting to be fulfilled for other students.

Dinner was served by the poolside with prospective employers amongst the guests. The students and graduates mingled well, and kept the invitees well entertained with songs and dance.

## IMM STUDENT CHAPTERS



### IMM

is spreading its wing and invites students to be members of IMM Materials Student chapters where they enjoy activities and programmes including:

- Joint conferences, training courses, seminars and activities of like nature;
- Enhancement of academic materials and other information

for the benefit of students and public at large;

- Activities of mutual interest such as dissemination of each other's activities;
- Linkage and access to each other's websites.

The Student Chapter will provide opportunities for lecturers and students to interact with industry through various joint activities such as career talks by industry speakers; technical visits to power plants, oil & gas fabrication yards, oil & gas equipment manufacturing factories, and other materials technology-related manufacturing facilities; industrial training placements with materials technology-related industries; collaboration to organize materials technology seminars and conferences by bringing industrialists, researchers, and governmental organizations and sharing of knowledge and information through articles published in IMM's Newsletter that is distributed to IMM members and oil & gas industry players.



Institute of Materials,  
Malaysia



<http://materialsimm.blogspot.com/>

*Institute of Materials, Malaysia (IMM) is a professional society that promotes honorable practice, professional ethics and encourages education in materials science, technology and engineering. Engineers, academicians, technicians, skilled workers and professionals are amongst its members exceeding 3000.*

### Vision

*To Become the Authority on Materials Science Technology & Engineering in Malaysia by 2020*

### Mission

- *To Become the Centre for Materials Information in Malaysia*
- *To Provide Route to Attaining Professional Status for Materials Specialists in Malaysia*
- *To Provide Technical Skill Certification and Educational Programmes in Materials Science, Technology & Engineering*

### Brief

*The Malaysian Materials Science & Technology Society (MMS) was registered with the Registrar of Societies on 6th November, 1987. The MMS was actively promoting the awareness of Materials in Malaysia. In 1996, the change of name to the Institute of Materials, Malaysia (IMM) was submitted to the Registrar of Societies and approved on 16th June 1997. The new name was to be synergistic with the rest of the world. For example in the case of The United Kingdom, The Institute of Metals, The Institute of Ceramics and The Plastics & Rubber Institute were merged into a single Institute of Materials in 1992 where its members are recognized as professionals with the status of a Chartered Engineer (C.Eng). The technology of materials is advancing day-by-day throughout the world. We must keep up with the pace of technological advancement. The objectives of the IMM include the training and development of individuals and companies in Malaysia to attain professional recognition in various fields of materials science, technology and engineering.*

*The long term objective of the IMM is to attain professional recognition for its members in line with that which is accorded to the other disciplines of science, technology and engineering. Membership of IMM is opened to all individuals and companies keen in developing and contributing toward the growth of materials science, technology and engineering in Malaysia. Materials cover a very wide field such as metals, polymers, rubber, wood, concrete, ceramics, semi-conductors, advanced materials, cellulose, textiles, etc. Membership to the IMM will enable networking and exchange of knowledge from a very wide variety of specialized areas of expertise. The IMM is also committed to seeking affiliations with overseas Materials and Engineering/ Scientific professional institutions to gain access to technological developments worldwide.*

### IMM Working Committees

*Please see page 6 for details.*

### IMM Activities and Events

*Please see page 11*



Institute of Materials,  
Malaysia

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[www.iomm.org.my](http://www.iomm.org.my)

Towards a Knowledgeable Skilled  
Workman



<http://materialsimm.blogspot.com/>

## IMM Membership grades

*Honorary Fellow (Hon. FIMM) - Fellow (FIMM)*

*Professional Member (MIMM) - Associate Member (AMIMM)*

*Company Member - Ordinary Member - Student Member*

*\* Details and forms are available in IMM website*

*\* Term and condition apply for each grade of membership*

## Membership Subscription fee

Category / Fee	A	B	C	D
<i>Fellow (F.I.M.M)</i>	-	RM 300.00	RM10.00	RM150.00
<i>Professional Member (M.I.M.M)</i>	-	RM150.00	RM10.00	RM100.00
<i>Company Member</i>	RM50.00	-	-	RM200.00
<i>Associate Member (A.M.I.M.M)</i>	-	RM150.00	RM10.00	RM80.00
<i>Ordinary Member</i>	RM20.00	-	-	RM40.00
<i>Student Member</i>	RM10.00	-	-	RM10.00

Note: (A) Entrance (B) Processing (C) Transfer (D) Annual Subscription

For membership details, contact the Secretariat at:

Tel: (603) 5882 3574 Fax: (603) 5882 3524 Email: [iomm@po.jaring.my](mailto:iomm@po.jaring.my)

## IMM COURSES

*Give your career a lift*

- Diploma of Applied Science (Coatings Technology)
- Coatings Inspection (CI)
- Corrosion Control By Protective Paints
- Marine Painting Inspection
- Coatings Quality Control Technician (QC)
- Blasting & Painting Supervisor
- Protective Coatings Technician (Blaster & Painter)
- Thermal Spray Coatings
- Thermal Spray Coatings Inspector
- Corrosion Control By Cathodic Protection
- Corrosion Technician
- Associate Welding Engineer (AWE)
- Welding (SMAW; GMAW; GTAW)
- Welding Inspection
- Calculation of Strength of Welded Members
- Cost & Estimation of Welding Projects
- Interpretation of Weld Quality by Radiographic Method
- Interpretation of Weld Quality by Welding Codes
- API-570 Piping Inspector
- API-510 Pressure Vessel Inspector
- API-653 Above Ground Storage Tank Inspector
- Vibration Specialist
- Practical Project Management
- Mechanical Testing of Materials

For registration and participation details, please contact:

Materials Technology Education Sdn Bhd  
10-1 Jalan Bandar 3, Pusat Bandar Puchong,  
47160 Puchong

Tel: (603) 5882 3574

Email: [info@mte.com.my](mailto:info@mte.com.my)

Website: [www.mte.com.my](http://www.mte.com.my)





### January

- Associate Welding Engineer Training
- Kuala Lumpur
- Coatings Inspector
- Diploma of Applied Science (Coatings Technology)
- Corrosion Control by Protective Paints
- Blasting and Painting
- Welding - SMAW, GMAW, GTAW
- Training course in collaboration with TPM

### February

- Blasting & Painting
- Blasting & Painting Supervisor
- Welding - SMAW, GMAW, GTAW
- Corrosion Technician
- Vibration specialists (Level 1)

### March

- Coatings Quality Control Technician (QC)
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Welding Inspector Scheme
- Interpretation of Weld Quality by Radiographic Methods
- Corrosion Control By Cathodic Protection
- Cathodic Protection Technologist
- Vibration Specialist (Level 2)
- Road Show - Kemaman Supply Base, Terengganu
- IMM AGM
- Technical Visit to Hexagon, Nilai
- Green Materials Seminar
- Golf Invitational Tournament

### April

- Coatings Inspection
- Corrosion Control by Protective Paints
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Calculation of Strength of Welded Members
- Cost & Estimation of Welding Projects
- Interpretation of Weld Quality by Welding Codes
- 3<sup>rd</sup> Regional Materials & Technology Conference

### May

- Marine Paint Inspection
- Blasting and Painting Supervisor
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Road Show - Lumut, Perak

### June

- Coatings Quality Control Technician (QC)
- Blasting and Painting Supervisor
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Vibration Specialist (Level 1)

### July

- Coatings Inspection
- Corrosion Control by Protective Paints
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Calculation of Strength of Welded Members
- Cost & Estimation of Welding Projects
- Interpretation of Weld Quality by Welding Codes
- Vibration Specialist (Level 3)
- Road Show - PETRONAS Penapisan Malacca

### August

- Blasting and Painting Supervisor
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Welding Inspection Scheme
- Interpretation of Weld Quality by Radiographic Method

### September

- Coatings Quality Control Technician (QC)
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Thermal Spray Coatings Inspection

### October

- Coatings Inspection
- Corrosion Control by Protective Paints
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Thermal Spray Applicator
- Calculation of Strength of Welded Members
- Cost & Estimation of Welding Projects
- Interpretation of Weld Quality by Welding Codes
- Corrosion Technician
- Vibration Specialist (Level 3)

### November

- Blasting and Painting Supervisor
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW
- Vibration Specialist (Level 4)
- Road Show - Pasir Gudang

### December

- Coatings Quality Control Technician (QC)
- Blasting and Painting Supervisor
- Blasting & Painting
- Welding - SMAW, GMAW, GTAW

*The above information is correct at the time of print, and is subject to change without notice. For the latest schedule, please contact:*

**Materials Technology Education Sdn Bhd**

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Website: www.mte.com.my





# IMTCE 2008 & 2010

Right: IMTCE2008 Guest of Honour - YB Tuan Fadillah Yusof (Dep Minister, MOSTI);  
Below: IMM celebrates 20th Anniversary



Far right: Oral presentation;  
Top: technical visit;  
Right: Waiting to tee-off



Top: Swinging into IMTCE2010



R: Exhibitor explaining products



Top: Networking at IMTCE2010;



Left: Delegates enjoying banquet dinner



Coming to Kuala Lumpur in July 2012:

# 8th International Materials Technology Conference and Exhibition (IMTCE 2012)



The Chief Minister of Sarawak, YAB Pehin Sri Haji Abdul Taib, at the opening ceremony of IMTCE2010



## Features of IMTCE2012:

1. Oral and Poster presentations
2. Banquet Dinner
3. Advertising in souvenir book
4. Exhibition of products and services
5. Sponsorship opportunities
6. Networking of key industry captains
7. Golf Tournament
8. Selected papers listed in Scopus Index
9. 1000 delegates & participants expected
10. Latest research papers

## WHO SHOULD ATTEND:

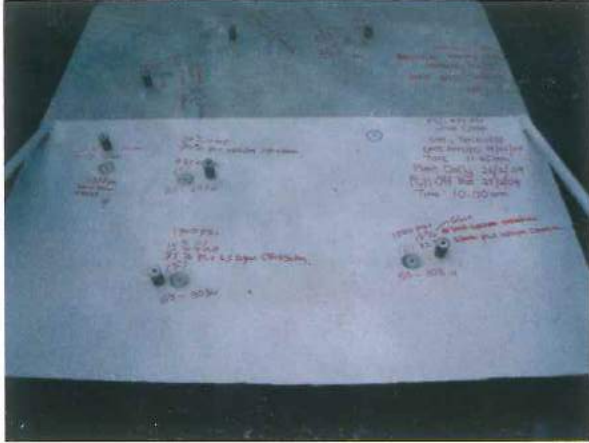
CEOs, Directors, Managers, Officers, Purchasers, Scientists, Metallurgists, Engineers, Consultants, Chemists, Technologists, End User Facility Managers & Specifiers, Governmental & Public Works Organizations, Construction, Architectural & Design Managers, Consultants, QA & QC Specialists, Purchasing Agents & Officers, R&D and Technical Directors & Managers, Academicians, IT Specialists, IT Engineers, Accountants, Bankers, Researchers, Students

## INVOLVED IN:

Fabrication, Materials Manufacturing, Corrosion & Coatings, Surface Preparation, Application & Inspection Technologies, Galvanizing, Materials Supplies & Distribution, Engineering, NDT & Contracting Works & Consultancies, Testing Equipment, Equipment & Tools Manufacturing, ICT Solutions, Health, Safety and Environment Control & Regulations, Education and Human Resource Training and Development, Decision Making, Oil & Gas Industries, Shipyard Engineering, Power Generations, Transportation Industries, Green Materials



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- Inside even numbered page (half page; full colour) -RM500.00

Next print - July 2011. Interested parties to submit artwork and payment by 15 June 2011

For advertising details, please contact  
**Materials Technology Education Sdn Bhd**  
 10-1 Jalan Bandar 3, Pusat Bandar Puchong,  
 Pusat Bandar Puchong, 47160 Puchong, Selangor  
 Tel: (03) 5882 3574 Fax: (03) 5882 3524  
 Email: info@mte.com.my

Members of IMM are invited to submit original articles, news and contributions (jokes, poems, etc) related to materials to the IMM newsletter. IMM reserves the right to choose and print any article, news and contribution submitted.



## Practical Project Management

### Course Overview

In today's fast paced world the majority of organizations use projects to deliver non-routine work. The trend towards project focused organizations has resulted in the creation of "accidental project managers" and project team members who are dropped into the project management deep end without the tools they need to excel. Irrespective of the nature of your organization the fundamental concepts and practices of project management are universal. The aim of this course is to present participants who have little or no formal project management training with the essential skills they need to become better project managers or to function more effectively as project team members. The course is based on the Project Management Institutes Body of Knowledge and is structured to cover the whole lifecycle of a project.

At the end of the course participants will have a clear grasp of the whole project management process and be in a position to deploy their new skills in their own organization. The course is delivered through a combination of workshops, a simulated project and group exercises and has a focus on project management for engineers.

### Course Content

- Project Selection
- Project Initiation
- Project Planning
- Project Execution, Monitoring and Control

### Course Details

- 15 – 30 participants
- 3 full days

### Who should attend

Those who participate in or lead project teams and would like to upgrade their knowledge of project management with a view to improving their performance. The course is relevant to all sectors including governmental, manufacturing, financial & the service sector.

### Tentative Course Date & Venue

- 10-12 May 2011
- Hotel in Kuala Lumpur

### Fee

- RM2,200.00 per participant

### Speaker

Prof. Dr. Andrew Spowage (CSSBB, CEng, CSci, FIMM, FIMMM) is a specialist in Materials Characterisation & Testing, Metallurgy and Project Management.

## Mechanical Testing of Materials

### Course Overview

This course aims to advance the skill set of engineers, scientists and technologists involved in the mechanical testing of materials. The whole course equips engineers and managers with the fundamental methodologies required to select, design and conduct rigorous mechanical testing programmes using the most advanced tools and methods. The course aims to train students how to select and conduct the most appropriate test method to bring real value to their business. The course has a strong bias towards the mechanical testing of iron and steel.

### Course Content

- Best practice and standards for Mechanical Testing
- Tensile Testing
- Impact Testing
- Hardness Testing
- Creep Testing
- Fatigue Testing
- Environmental Testing
- Failure analysis

### Course Details

- 15 – 100 participants
- 2 full days

### Who should attend

Scientists, Engineers and Technical professionals involved in the characterisation, testing or measurement of advanced materials or modern manufactured devices. The course is also highly suited to quality, research, and troubleshooting staff who make use of or request others to carry out mechanical testing on their behalf.

### Tentative Course Date & Venue

- 24-25 May 2011
- Materials Technology Education Sdn Bhd, Puchong

### Fee

- RM1,500.00 per participant

### Speaker

Prof. Dr. Andrew Spowage (CSSBB, CEng, CSci, FIMM, FIMMM) is a specialist in Materials Characterisation & Testing, Metallurgy and Project Management.

-For participation details for both courses, please contact:-

**Materials Technology Education Sdn Bhd (MTE)**

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