



A quarterly magazine

PP-18691/01/2018 (034114) / ISSN 2289-9030

MATERIALS IND

Issue 19

Jan 2018

www.iomm.org.my

Institute of Materials, Malaysia



HIGHLIGHTS

- ◆ Notification of 28th AGM of the IMM
- ◆ President's speech during 30th anniversary of IMM

CONTENTS

- 4 *President's Speech during 30th Anniversary Dinner*
- 8 *IMM Council 2018 – 2020*
- 10 *IMM Council Members & Committees (2016 - 2018)*
- 13 *Courses of Institute of Materials, Malaysia*
- 14 *Report on IMM 1-Day Conference on Prevention of Loss of Primary Containment*
- 15 *Report on Announcement on Establishment of Asia Pacific Vibration Federation*
- 15 *Report on IMM Commences Delivery of Society for Protective Coatings Blaster-Painter Craftsman Courses*
- 17 *Report on IMM 1-Day Conference on Pipeline Corrosion Management*
- 18 *Report on IMM Vibration Conference*
- 19 *Report on Memorandum of Understanding Signing Ceremony Between IMM and South West JiaTong University*
- 20 *IMM Student Chapter Career Talk*
- 22 *History of Materials Lecture Competition*
- 28 *Annual Report of the Council for the Financial Year ending 31st December 2017*
- 32 *IMM Profile & Membership*
- 34 *IMM Advertisement Rate*
- 35 *IMM Annual Membership Renewal*

Electronic copy of Materials Mind can be accessed via www.iomm.org.my under Materials Mind Webpage

January 2018 Issue 19

EDITORIAL BOARD MEMBER

Chief Editors

Industry:

Ir. Max Ong Chong Hup
(Norimax Sdn Bhd)

Academia:

Assoc. Prof. Dr. Melissa Chan Chin Han
(Universiti Teknologi MARA)

Managing Editor

Dr. Tay Chia Chay
(Universiti Teknologi MARA)

Treasurer

Ir. Mohd Suradi Yasin
(Materials Technology Education Sdn Bhd)

Committee Members

Dr. Lim Teck Hock
(Tunku Abdul Rahman University College)
Dr. Yoga Sugama Salim
(NORIMAX Sdn Bhd)
Mohd Raziff Embi
(Malakoff Corporation Bhd)
Tungku Nor Manira
(NORIMAX Sdn Bhd)



INSTITUTE OF MATERIALS, MALAYSIA
No. D-0-9, Setiawangsa Business Suite,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur, MALAYSIA
Tel: +603-5882 3574 Fax : +603-5882 3524
Email : secretariat@iomm.org.my
Website : www.iomm.org.my



Disclaimer: The articles written by various authors and news from external sources are published in good faith for the benefit of our readers and do not necessarily reflect the views of IMM. Further, we give no assurance or warranty that the published information is current or accurate and take no responsibility for any losses or consequences arising from its transmittal through the bulletin

CHECK YOUR IMM MEMBERSHIP STATUS ON WEBSITE!!!

- ☐ IMM has uploaded the latest membership listing (updated on 1st November 2017) on the IMM website www.iomm.org.my
- ☐ Members should check if their name is on the listing. If your name is not on the listing, it is likely you have moved address or have not paid your annual subscriptions.
- ☐ Please send an email to the IMM Secretariat < secretariat@iomm.org.my > and provide your membership number and latest contacts (address, email & mobile number), so that the Secretariat can verify your membership status.

If your name is on the listing and you have not paid your 2017 annual subscription, please pay for 2017 & 2018 in order to active your membership.



INSTITUTE OF MATERIALS, MALAYSIA

(ROS-4186/87)

TO ALL IMM MEMBERS,

NOTICE OF 28th ANNUAL GENERAL MEETING

Notice is hereby given that the 28th Annual General Meeting of the IMM will be held as follows:

Venue : Impiana KLCC Hotel, Kuala Lumpur
Date : 16th March 2018 (Friday)
Time : 5.30 pm – 7.30 pm

AGENDA

1. Adoption of the agenda
2. President's address
3. To approve the minutes of the 27th Annual General Meeting (*)
4. To receive and adopt the 2017 report of the council presented by the Honorary Secretary of IMM (*)
5. To receive and adopt the 2017 statement of accounts presented by the Honorary Treasurer of IMM (*)
6. Proposed amendment to IMM Constitution (*)
7. Election of 10 Council Members for 2018-2020 term.
8. Tabling the appointment of external auditors for 2018 by the Honorary Treasurer of IMM
9. Appointment of two internal auditors for 2018
10. Any other matters

(*) can be accessed electronically on IMM website (www.iomm.org.my) after 9th Feb 2018.

By order of the Council,
Assoc. Prof. Dr Melissa Chan Chin Han
Honorary Secretary, IMM

Date: 2nd January 2018

REPLY SLIP

I hereby confirm that I will **be able / not be able*** to attend the AGM above.

SIGNATURE: _____
NAME: _____
ORGANIZATION NAME: _____
MEMBERSHIP NO.: _____
DATE: _____

Please print and reply by fax at 03-4257 6292 **OR** indicate confirmation via email to secretariat@iomm.org.my before **12:00 pm, 13th March 2018**.

**Delete whichever not applicable.*

ANNUAL GENERAL MEETING PROXY VOTING FORM

I _____ (please print name in full) and IMM Membership no. _____ wish to record my apologies for absence and hereby appoint _____ (please print name in full) and IMM Membership no. _____ (or, failing him/her, the Chairman of the Meeting) to act as my proxy at the 28th Annual General Meeting of the IMM.

Signature: _____ Date: _____

This Proxy Voting Form should be returned to the IMM office (fax or email) before **12:00 pm, 13th March 2018**.



PRESIDENT'S SPEECH DURING 30TH ANNIVERSARY DINNER



Mohd. Azmi Mohd. Noor

IMM President session (2016 - 2018)

Assalamualaikum WBT

30 years ago this day, the Malaysian Material Science Technology Society was registered with the Registrar of Society. The name was changed to its present day name, as the Institute of Materials Malaysia, in 1997, and acknowledged as a professional society in the country, actively promoting material science and technology. Back then IMM was formed out of a desire to provide affordable local professional tradesmen certification, like blasting and painting, corrosion and welding technicians for the Oil & Gas industry.

Tan Sri Wan Zul, we have a long standing relationship with PETRONAS, for, in our humble beginning, it was PETRONAS who prompted us to set up IMM as a local materials institute. In 1989, in collaboration with PETRONAS, IMM introduced a local Coating Inspector certification at a cost of RM 3K. The NACE equivalent, costed RM 30K, beyond the reach of most locals. This created many jobs for Malaysians as corrosion inspectors working in the Oil & Gas industry. This was then followed by a locally developed cathodic protection training program in the mid 90's. In 1999, in collaboration with CORAL 1.0, the first locally developed blaster and painter certification program was established, establishing IMM as the de facto standard in the industry.

We have come a long way since our humble beginning. Now we have more than 4000 active members, 18 committees, from Timber, to Polymer, Composites, Corrosion, Vibration and Coatings committees, to name a few. We also run Regional Chapters; Southern, East Coast, Sabah, Bintulu and Miri as well as Student Chapters at 4 local Universities; UTAR, UTM, Curtin and UMS.

We also have task forces set up to tackle industry issues such as Coatings Fingerprinting, Welding Improvement, Upskilling Sarawak Engineers & Technicians, USET, and Sabah O&G Human Capital Development. The latter two are collaborations with the Institute of Engineers Malaysia, IEM, and state government organizations.

These are supported by a Council body, a Secretariat and a Management Committee. As an institute, IMM is unique in a way, as we are the only professional body in the country that has a value proposition on membership that span across from academia to industries, from university professors, PHDs, postgraduate and graduate students, to professionals in the industry and to skilled trade practitioners. No other institutions has this. This places IMM in a good position to tackle most industry challenges on materials and materials' related issues. One such issue, solved the quality of paint for the offshore industry, resulting in a World's first Coatings Fingerprinting Methodology, the development of a "Mill Certificate" like certification for polymer coatings.

As a voluntary organization, IMM work these issues through the various committees. These committees consist of 'like minded' individuals with a passion on the advancement of materials technology. Once an issue is raised, the committee will call upon those interested and an open discussion is then held in a seminar. The

issues and resolution are then worked on, in some instances, several repeat seminars are held. For more complex issues a task force is formed, giving more focused attention. Usually these task forces work on weekends as most of the IMM members are volunteers. Let us recognize these individuals on the sacrifices they make for the advancement of materials technology for the country.

Ladies and Gents, let us take stock and reflect on IMM's past achievements.

IMM Hosted over 100 technical seminars since 1988, solving industry problems on some,

IMM has been recognised as the de facto authority on materials technology by the Oil and Gas Industry,

IMM certificates are recognized by PETRONAS and the Oil & Gas operators in Malaysia,

Established the World's first Coating Fingerprinting Certificates and,

Appointed as the first Authorised Certification Body by the Asian Welding Federation

The above achievements are made possible by the relentless efforts of our past presidents, council members and their advisors. These are the people who have shaped IMM into what it is today.

Ladies and Gents, to commemorate our 30th anniversary, we have a new vision & mission going forward. This is aimed at enhancing IMM's position in today's borderless world. It will also give a more meaningful value add proposition to our members, a new raison d'être. This was formulated over several sessions with IMM Council Members guided by our Advisor Datuk DR Rahim.

Our new vision is – "to be an internationally recognized leading institution in materials science and technology". In support of this vision are 5 mission statements:-

To be the technical authority on material science technology

To develop & enhance skills for all categories and practitioners

To become an internationally recognized certifying body

To be the forum for industry and academia collaboration and lastly

To positively contribute to society and quality of life

It is with hope that the above will spur and motivate members and propel IMM to new heights both at the national and international level.

In the new low cost world, collaboration will be key to survival. No man is an island, and we hope to see more collaboration with institutions within the country as well as abroad. IMM has collaborated with the UK Institute of Materials, Minerals & Mining i.e. IOM3 and have organised numerous joint seminars on Materials Technology

Want to showcase your company ? Refer to page 34.

in KL in the past. IMM has now been appointed to organize the Malaysian edition of the Young Persons World Lecture Competition as the Materials Lecture Competition. Students from 25 Universities participate in this event annually in Malaysia.

The winner of the MLC then represents Malaysia at the YPLC i.e. Young Persons World Lecture Competition held annually at various cities over the world. I am proud to announce, this year's MLC winning candidate, Mr. Ng Zheng Yu from Nottingham University, recently won 3rd place at the IOM3 Young Persons World Lecture Competition held in Perth.

IMM's support and continued sponsorship of the MLC and the YPLC is part of IMM's effort and commitment to nurture future Malaysian talent to prepare them for the global stage.

This year we have inked a few collaborations; one with SSPC, the American Society of Protective Coatings. This is a historic arrangement as the cooperation allows IMM to provide globally accepted certification at affordable rates to suitably skilled Malaysian Blasting & Painting practitioners.

IMM participated as the Malaysian representative in the Asian Welding Federation, which consists of 13 Asian countries. IMM is recognised as the first approved certification body by the AWF.

IMM together with the China Mechanical Engineering Society (CMES) is close to finalising the formation of the Asia Pacific Vibration Federation. The main focus is to address operating issues of High Speed Rail transportation.

On the local front we have signed an MOU with IKBN i.e. Institute Kemahiran Belia Negara and Johor KPYPJ Kumpulan Pendidikan Yayasan Pelajaran Johor. IMM is also collaborating with MOGSC to develop the NOSS National Occupational Skill Standards for the Oil & Gas industry. We have begun to engage with the Royal Malaysian Navy on various technical areas starting with the joint hosting on vibration awareness seminar which was carried out at the Lumut Naval base in March this year.

IMM's past heritage on technical training and certification also paved the way for new competency development and certification programs for the Oil & Gas industry. Having served CORAL 1.0 before, we have now come full circle into serving CORAL 2.0. Work is in progress in upskilling certification on LOPC management for loss of primary containment with the Malaysian Petroleum Management, the Upstream regulatory body and the upskilling of PETRONAS-Carigali frontline maintenance on touch up painting.

To celebrate IMM's 30th year, it is the intention that throughout 2018, a series of events will be organised climaxing with an international conference and exhibition on materials technology in Oct 2018. I am very pleased to announce that Serba Dynamic Holding Bhd has agreed to be our Corporate Partner throughout our 30th year celebration. Thank you Dato' Karim.

I would like to take this opportunity to convey our sincerest appreciation to our past Presidents, our past Advisors and past Council members. Tonight this celebration is about your legacy that we all cherish, we the present members are merely holding the baton and will pass it on after our term of office expire to the next generation of IMM members who will continue with the IMM struggle. Let's ensure that the seeds we sow today will continue to bear bountiful fruits for tomorrow.

Lastly I would like to thank Dato Udani and his dinner committee for making tonight a success, and to all, lets enjoy the dinner and the rest of the evening program together.

Assalamualaikum ABT.

IMM wujud jaringan antarabangsa

REFER to LINK:

<http://www.astroawani.com/video-malaysia/imm-wujud-jaringan-antarabangsa-179609>

NOTICE OF 28TH ANNUAL GENERAL MEETING



Venue : Impiana KLCC Hotel, Kuala Lumpur
Date : 16th March 2018 (Friday)
Time : 5.30 pm – 7.30 pm



AGENDA

1. Adoption of the agenda
2. President's address
3. To approve the minutes of the 27th Annual General Meeting
4. To receive and adopt the 2017 report of the council presented by the Honorary Secretary of IMM
5. To receive and adopt the 2017 statement of accounts presented by the Honorary Treasurer of IMM
6. Proposed amendment to IMM Constitution
7. Election of 10 Council Members for 2018-2020 term.
8. Tabling the appointment of external auditors for 2018 by the Honorary Treasurer of IMM
9. Appointment of two internal auditors for 2018
10. Any other matters



Seminar on **VIBRATION TECHNOLOGY** in the era of Industry 4.0

16th March 2018 10.00am - 4.45pm • Impiana KLCC Hotel, Kuala Lumpur

Brief

Asset owners cannot deny the need and importance of vibration technology as an effective diagnostic tool to troubleshoot various machinery problems in their assets. It has been a proven technology for decades and is very relevant in the era of Industry 4.0.

This seminar will cover relevant topics and case studies to support and enlighten the above mentioned statements.

In summary, it relates vibration technology to important components of Industry 4.0 such as Internet of Things (IOT), Big Data & Data Analytics, Artificial Intelligence (AI) and smart technology.

**BEST
REGISTRATION**

Delegates:

Registration fee (Inclusive of 6% GST)
RM 200 per person
RM 50 per person (for students)

Exhibition Booth:

Fees: RM 1,000 per booth (Inclusive of 6% GST)
Table-top exhibition stand package includes:

- Table (Dimensions: 4'x 2') + Back panel (Dimensions: 7' x 4' with 2 chairs)
- 2 passes for delegates

Programme Itinerary

10.00 - 10.30	Registration
10.30 - 10.45	Opening Address by Tuan Mohd Azmi Mohd Noor, President of Institute of Materials, Malaysia (IMM)
10.45 - 12.15	Synergy between Industry 4.0 and Vibration Technology by Dato' Dr. Ir. Mohd Abdul Karim Abdullah, President/Group CEO of Serba Dinamik Holdings Berhad
12.15 - 2.30	Networking Session and Visiting Exhibitions/ Lunch Break Friday Prayer for Muslims
2.30 - 3.30	Case Study 1: Application of Acoustic Emission Technique in Reciprocating Machines by Associate Professor Dr. Rahizar Ramli, Department of Mechanical Engineering, Faculty of Engineering at University of Malaya
3.30 - 4.30	Case Study 2: Frequent Centrifugal Compressor Failure on Production Platform by Juarez Salim Lowe, VROC (M) Sdn Bhd
4.30 - 4.45	Closing Remarks by Dato' Dr. Ir. Mohd Abdul Karim Abdullah, Chairman of IMM's Vibration Working Committees

Important note:

5.30 - 7.30	28 th Annual General Meeting of Institute of Materials, Malaysia
-------------	---

Main sponsor:



SERBA DINAMIK SDN. BHD.

IMM COUNCIL 2018 – 2020

2018 is the year of election for IMM. Members of Council will be elected to serve the institute for a 2-year term from March 2018 – March 2020. During the penultimate IMM Council Meeting no. 7 (term: 2016 – 2018) on 27th October 2017 at Kelab Golf Negara Subang, Selangor, positions of the Key office-bearers were filled. En. Mohd. Azmi Mohd Noor from Kebangsaan Petroleum Oil Company Sdn Bhd will continue his second term as President for 2018 – 2020 Council Term. Dato' Dr. Ir. Hj. Mohd Abdul Karim Abdullah from Serba Dinamik Sdn Bhd was elected as Deputy President; Assoc. Prof. Dr. Melissa Chan Chin Han from Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam was elected as Honorary Secretary and Dr. Zulkarnain Kedah from Serba Dinamik Sdn Bhd was elected as Honorary Treasurer. The office-bearers of these positions will commence their duties starting on 28th Annual General Meeting of the IMM, which will be held in March 2018.



Advisor

Datuk Ir. (Dr.) Abdul Rahim Hj. Hashim
Vice Chancellor of Universiti Malaya



President

Mohd. Azmi Mohd. Noor
Kebangsaan Petroleum Oil Company Sdn Bhd



Deputy President

Dato' Dr. Ir. Hj. Mohd Abdul Karim Abdullah
Serba Dinamik Sdn Bhd



Honorary Secretary

Assoc. Prof. Dr. Melissa Chan Chin Han
Universiti Teknologi MARA



Honorary Treasurer

Dr. Zulkarnain Kedah
Serba Dinamik Sdn Bhd



Past President

Prof. Dr. Mohamad Kamal Harun
Universiti Teknologi MARA

Congratulations!!!



President's Special Awards



Prof. Dato' Dr. Hj Mohd Mansor Salleh



6th November 2017



Ir. Max Ong Chong Hup



MEMBERSHIP



Opened to all individuals and companies in developing the contribution of Materials science, technology and engineering towards industrial growth in Malaysia



Social interaction and networking



Employment opportunities



IMM publications



Career development in skilled trades

BENEFITS



Technical events

FEES SCHEDULE

- Annual subscriptions shall be payable in advance on 1st January of each year.
- Those admitted into the IMM between 1st July and 31st December in any year shall pay only half the annual subscription.
- Seniors (above 55 years old) get 50% discount off their annual subscriptions.

IMM EVENTS



Description	Annual Subscription (RM)
Fellow (F.I.M.M.)	150.00
Professional (M.I.M.M.)	100.00
Associate (A.M.I.M.M.)	80.00
Company Ordinary	200.00
Student	40.00
Ordinary / Company for affiliates	10.00
	NIL

For the most up-to-date information, visit
Institute of Materials, Malaysia



IMM COUNCIL MEMBERS & COMMITTEES

2016-2018 SESSION

Advisor:
President:
Deputy President:
Honorary Secretary:
Honorary Treasurer:
Assistant Honorary Treasurer:
Immediate Past President:
Council Members:

Datuk Ir. (Dr.) Abdul Rahim Hj. Hashim - Universiti Teknologi PETRONAS
 Mohd. Azmi Mohd. Noor - Keabangan Petroleum Oil Company Sdn Bhd (KPOC)
 Sofiyah Yahya - Cekap Technical Services Sdn Bhd
 Assoc. Prof. Dr. Melissa Chan Chin Han - Universiti Teknologi MARA
 Ir. Mohd Suradi Yasin - Materials Technology Education Sdn Bhd
 Dr Zulkarnain Kedah - Serba Dinamik Sdn Bhd
 Prof. Dr. Mohamad Kamal Harun - Higher Education Leadership Academy (AKEPT)
 Dato' Dr. Ir. Haji Mohd Abdul Karim Abdullah - Serba Dinamik Sdn Bhd
 Dato' Udani Dato' Seri Mohamed Daud - Max Energy Sdn Bhd
 Datuk Ir. Wahiruddin Wahid - PRA Services Sdn Bhd
 Prof. Ir. Dr. Ramesh Singh - Universiti Malaya
 Ir. Assoc. Prof. Dr. Edwin Jong Nyon Tchan - Advanced Metallurgy & Welding Technology Sdn Bhd
 Assoc. Prof. Eur. Ing. Nigel Patrick Brewitt - Norimax-MTIS
 Assoc. Prof. Dr. Tan Winie - Universiti Teknologi MARA
 Dr. Andrew Spowage - Woodgroup Intetech Malaysia
 Dr. Hasnah Abdul Wahab - SIRIM Bhd
 Dr. Samsul Bahar Sadli - PETRONAS Carigali Sdn Bhd
 Ir. Lai Kah Chiung - PETRONAS RAPID Project
 Ir. Max Ong Chong Hup - Norimax Sdn Bhd
 Ir. Mohd Raziff Embi - Malakoff Corporation Bhd
 Ir. Ong Hock Guan - Sarawak Shell Berhad
 Ir. Pau Kiew Huai - Malaysia LNG Sdn Bhd
 Harry Woon Tar Woi - Bredero Shaw (M) Sdn Bhd
 Kamal Azam Ibrahim - PETRONAS Group Technical Solutions
 Mazri Md. Ali - PETRONAS MPM
 Mohamed Siraj Abdul Razack - MIR Valve Sdn Bhd
 Muhammad Hawari Hasan - PETRONAS Group Technical Solutions
 Nurul Asni Mohamed - PETRONAS Group Technical Solutions
 Zainudin Zulkifli - KNM Group Bhd

REGIONAL CHAPTER CHAIRPERSONS

Bintulu:	Raymond Phen @ Plen	ASEAN Bintulu Fertilizer Sdn Bhd
East Coast:	Harry Woon Tar Woi	Bredero Shaw (M) Sdn Bhd
Miri:	Ir. Assoc. Prof. Dr. Edwin Jong Nyon Tchan	Advanced Metallurgy & Welding Technology Sdn Bhd
Southern:	Prof. Dr. Esah Hamzah	Universiti Teknologi Malaysia
Sabah:	Zubaidi Abang Zamhari	PETRONAS Sabah Operations

IMM TASK FORCE CHAIRPERSONS

Coatings	Nurul Asni Mohamed	PETRONAS Group Technical Solutions
Fingerprinting:	Mohd. Azmi Mohd. Noor	Keabangan Petroleum Oil Company Sdn Bhd (KPOC)
Welding Integrity Improvement:	Ir. Pau Kiew Huai	Malaysia LNG Sdn Bhd
Upskilling Sarawak Engineers & Technicians		

WORKING COMMITTEE CHAIRPERSONS

Coatings	Muhammad Hawari Hasan	PETRONAS Group Technical Solutions
Composites	Siti Haslina Ramli	PETRONAS Group Technical Solutions
Corrosion Education	Ir. Ong Hock Guan Ir. Max Ong Chong Hup Prof. Dr. Mohamad Kamal Harun	Sarawak Shell Bhd Norimax Sdn Bhd Higher Education Leadership Academy (AKEPT)
Examination, Certification & Accreditation Panel (ECAP)	Prof. Ir. Dr. Ramesh Singh	Universiti Malaya
Finance	Sofiyah Yahya	Cekap Technical Services Sdn Bhd
Insulation	Danny Tan Kim Chew	Abadi Oil & Gas Services Sdn Bhd
ISO Working Group	Mohamed Siraj Abdul Razack	MIR Valve Sdn Bhd
Golf	Mohd. Azmi Mohd. Noor	Keabangan Petroleum Oil Company Sdn Bhd (KPOC)
Green Materials and Energy	Mohamed Siraj Abdul Razack	MIR Valve Sdn Bhd
Materials Lecture Competition	Prof. Dr. Esah Hamzah	Universiti Teknologi Malaysia
Materials Mind	Ir. Max Ong Chong Hup Assoc. Prof. Dr. Melissa Chan Chin Han	Norimax Sdn Bhd Universiti Teknologi MARA
Membership	Sofiyah Yahya	Cekap Technical Services Sdn Bhd

Polymer	Assoc. Prof. Dr. Melissa Chan Chin Han	Universiti Teknologi MARA
Stakeholder Liaison	Sofiyah Yahya	Cekap Technical Services Sdn Bhd
Student Chapters	Assoc. Prof. Eur. Ing. Nigel Patrick Brewitt	Norimax-MTIS
Vibration	Dato' Dr. Ir. Haji Mohd Abdul Karim Abdullah	Serba Dinamik Sdn Bhd
Website	Dr. Yong Soon Kong	Universiti Teknologi MARA
Welding	Haji Ghalib Tham	JOTAC Academy Sdn Bhd

BINTULU CHAPTER

Chairman:	Raymond Phen @ Plen	ASEAN Bintulu Fertilizer Sdn Bhd
Immediate Past Chairman:	Yii Ming Sing	Freelance
Dep. Chairman:	Foo Hwa Chit	Malaysia LNG Sdn Bhd
Secretary:	Felix Bantin Ak Amit	Kumus Sdn Bhd
Treasurer:	Leong Yin Chin	Kumus Sdn Bhd
Members:	Bong Yung Foo Chang Kuet Shian Chung Yin Yen Dzulasis Aliska Edward Anyek Firdaus Maarop George Kua Yien Hui Joshua Sia Kee Wei Philip Tsen Sei Fook Steve Ting Hua Hieng	Malaysia LNG Sdn Bhd Laku Management Sdn Bhd Chan Hun Industries Sdn Bhd ASEAN Bintulu Fertilizer Sdn Bhd Retired Shell MDS Sdn Bhd KTA Sarawak Sdn Bhd Paling Construction Sdn Bhd Ultradex Engineering Supply Sdn Bhd KTA Sarawak Sdn Bhd

COATINGS COMMITTEE

Chairman:	Muhammad Hawari Hasan	PETRONAS Group Technical Solutions
Dep. Chairman:	Rehan Ahmed	PETRONAS Carigali Sdn Bhd
Secretary:	Ting Lai Liong	Dutech Instrument Sdn Bhd
Members:	Dato' Udani Dato' Seri Mohamed Daud Prof. Dr. Rajkumar Durairaj Dr. Norlaili Amir Aaron Williams Ahmad Badli Shah Aziz Bowie Tan Pak Siew Chan Wai Sing Ernest Lau Hong Kit	Max Energy Sdn Bhd Universiti Tunku Abdul Rahman Universiti Teknologi PETRONAS Abrasive Schmidt Sdn Bhd International Paint Sdn Bhd Hiap Soon Hong Sdn Bhd Metalcoat Engineering Sdn Bhd InnoCorr Offshore Sdn Bhd

IMM WORKING COMMITTEE REGIONAL CHAPTERS

2016-2018 SESSION

Frankie Chua Cheng Huat	Kansai PLC Sdn Bhd
Junaidy Abdullah	Norimax Sdn Bhd
Leow Chun Ho	Sarawak Shell Bhd
Mark Hew Yoon Onn	Universal Corrosion Engineering Sdn Bhd
Robert Lo Tung Ming	KCC Coating Sdn Bhd
S. Chantana Murugan	SamHwa Paints (M) Sdn Bhd
Selvandran Vello	Hempel (M) Sdn Bhd
Terence Wee Tee Hin	PPG Performance Coatings (M) Sdn Bhd
Vijendran Perinpanayagam	Exxonmobil Exploration & Production Malaysia Inc

COMPOSITES COMMITTEE

Chairman:	Siti Haslina Ramli	PETRONAS Group Technical Solutions
Dep. Chairman:	Abu Bakar M Arif	PETRONAS Group Technical Solutions / PETRONAS Carigali Sdn Bhd
Secretary/ Treasurer:	Mohammad Shahnor Bani	PETRONAS Carigali Sdn Bhd / PETRONAS Sarawak Operations
Members:	Ir. Zarina Rasmin	SIRIM Bhd
	Biramarta Isnadi	PETRONAS Carigali Sdn Bhd
	Mohammad Shahrulhafiz Basir	PETRONAS Group Technical Solutions
	Mohd Hariz Ridzwan	PETRONAS Dagangan Bhd
	Narendran Nagarathinam	PETRONAS Carigali Sdn Bhd
	Qamaruzzaman Sairi	Innovative Oilfield Services Sdn Bhd

CORROSION COMMITTEE

Chairman:	Ir. Ong Hock-Guan	Sarawak Shell Bhd
Dep. Chairman:	Ir. Dr. Mokhtar Che Ismail	Universiti Teknologi PETRONAS
Secretary:	Syarifah Nazliah Syed Abdul Rahman	BSSTech CP (M) Sdn Bhd
Treasurer	Leow Chun Ho	Sarawak Shell Bhd
Members:	Dr. Andrew Spowage	Wood Group Intetech Sdn Bhd
	Dr. Hamed Mohebbi	PETRONAS
	Dr. Kee Kok Eng	Universiti Teknologi PETRONAS
	Dr. Lee Chee Hong	Synergy Oil & Gas Eng Sdn Bhd
	Dr. Mazli Mustapha	Universiti Teknologi PETRONAS
	Dr. Saëid Kakooei	Universiti Teknologi PETRONAS
	Dr. Yoga Sugama Salim	NORIMAX Sdn Bhd
	Ir. Muhammad Zaid Kamardin	PETRONAS Group Technical Solutions
	Chew Boon Kheng	GPT Resources Sdn Bhd
	Eric Lay Chee Hong	TBSB Engineering Sdn Bhd
	Kang Kim Ang	Corrtrol Services Sdn Bhd
	Kent Ooi Beng Kok	Chong Wah Group Sdn Bhd
	Kok Wai Chee	CSI System Sdn Bhd
	Mohd Khairi Kadir	ROHRBACK Cosasco Systems Sdn Bhd
	Tariq Mehtab Mohd Ishaq	Wasco Energy Group of Companies
	Nik Khairil Azman Nik Abdullah	Temperlite Insulation Sdn Bhd
	Nurjaimi Ali	PETRONAS Group Technical Solutions
	Nurul Asni Mohamed	PETRONAS Group Technical Solutions
	Ong Wei Rex	Corrodynamic Sdn Bhd
	Tan Chih Wee	Technip Sdn Bhd
	Wee Ching Yun	Chong Wah Group Sdn Bhd

EDUCATION COMMITTEE

Academia Co-Chair:	Prof. Dr. Mohamad Kamal Harun	Higher Education Leadership Academy (AKEPT)
Industry Co-Chair:	Ir. Max Ong Chong Hup	NORIMAX Sdn Bhd
Secretary:	Rusli Abdul Wahab	Institut Teknologi PETRONAS
Treasurer:	Ainil Fidrah Ghazali	JOTAC Academy Sdn Bhd
Members:	Assoc. Prof. Dr. Tan Winie	Universiti Teknologi MARA
	Dr. Andrew Spowage	Woodgroup-Intetech Malaysia
	Ir. Lai Kah Chiung	PETRONAS RAPID Project
	Nurul Asni Mohamed	PETRONAS Group Technical Solutions
	Zainudin Zulkifli	KNM Group Bhd

FINANCE COMMITTEE

Chairman:	Sofiyah Yahaya	Cekap Technical Services Sdn Bhd
Members:	Dato' Dr. Ir. Hj. Mohd Abdul Karim Abdullah	Serba Dinamik Sdn Bhd
	Dato' Udani Dato' Seri Mohamed Daud	Max Energy Sdn Bhd

INSULATION COMMITTEE

Chairman:	Danny Tan	Abadi Oil & Gas Services Sdn Bhd
Dep. Chairman:	Syarifah Nazliah Syed Abdul Rahman	BSSTech CP (M) Sdn Bhd
Secretary:	Lean Zhen Hua	Armaceil Engineered Systems Ltd
Treasurer:	Chan Wai Sing	Metalcoat Engineering Sdn Bhd
Members:	Dr. Bernard L H Saw	Universiti Tunku Abdul Rahman
	Dr. Yew Ming Chian	Universiti Tunku Abdul Rahman
	Ir. Muhammad Zaid Kamardin	PETRONAS Group Technical Solutions
	David Goon	Turcomp Engineering Services Sdn Bhd
	Han Ah Kwang	Teras Majujaya Sdn Bhd
	Nik Khairil Azman Nik Abdullah	Temperlite Insulation Sdn Bhd
	Rehan Ahmed	PETRONAS Carigali Sdn Bhd
	Yii Ming Sing	Freelance

MATERIALS MIND COMMITTEE

Industry Chief Editor:	Ir. Max Ong Chong Hup	NORIMAX Sdn Bhd
Academia Chief Editor:	Assoc. Prof. Dr. Chan Chin Han	Universiti Teknologi MARA
Treasurer:	Ir. Mohd Suradi Yasin	Materials Technology Education Sdn Bhd
Managing Editor:	Dr. Tay Chia Chay	Universiti Teknologi MARA
Members:	Dr. Lim Teck Hock	Tunku Abdul Rahman University College
	Dr. Yoga Sugama Salim	NORIMAX Sdn Bhd
	Mohd Raziff Embi	Malakoff Corporation Bhd
	Tungku Nor Manira	NORIMAX Sdn Bhd

MIRI CHAPTER

Chairman:	Ir. Assoc. Prof. Dr. Edwin Jong Nyong Tchan	Advanced Metallurgy & Welding Technology Sdn Bhd
Dep. Chairman:	Ruzlan Hashim	PETRONAS Carigali Sdn Bhd
Vice Chairman I:	Giridharan Anandan	Velosi Sdn Bhd
Vice Chairman II:	Wong Siong Pin	Freelance
Secretary:	Bernard Maxmillan Sim	Bureau Veritas (M) Sdn Bhd
Assistant Sec:	Ir. Andrew Ling Tuong Thai	Sarawak Shell Bhd
Treasurer:	Lee Chung Khiong	Dayang Enterprise Sdn Bhd
Training & Education Officer:	Assoc. Prof. Dr. Beena Giridharan	Curtin University Sarawak
Public Liaison Officer:	Dr. Vincent Lee Chieng Chen	Curtin University Sarawak
	Ir. Desmond Chin Teck Eng	Shin Yang Shipyard Sdn Bhd
	Ahmad Nur Firdause	PETRONAS Carigali Sdn Bhd
	Carmen Liew Siaw Yun	Bureau Veritas (M) Sdn Bhd
	Daniel Sagoh	Dayang Enterprise Sdn Bhd
	Khairul Nazor	Sarawak Shell Bhd
	Mohd Zafrin Zainal Azmi	Bureau Veritas (M) Sdn Bhd
	Raymond Tan Chui Guan	Borneo Safety Training Service
	Wong Yie Chiew	Bureau Veritas (M) Sdn Bhd

POLYMER COMMITTEE

Chairman:	Assoc. Prof. Dr. Melissa Chan Chin Han	Universiti Teknologi MARA
Joint Secretaries:	Fatin Harun	Universiti Teknologi MARA
Joint Secretaries:	Dr. Yoga Sugama Salim	NORIMAX Sdn Bhd
Members:	Dr. Chew Khooon Hee	Tunku Abdul Rahman University College
	Dr. Tay Chia Chay	Universiti Teknologi MARA
	Dr. Yu Lih Jiun	UCSI University
	Albert Lee Phiaw Seong	Freelance
	Chan Yian Kit	TA Instruments - a Division of Waters Analytical Instruments Sdn Bhd
	Renee Teo Yong Yin	Bruker (M) Sdn Bhd

SABAH CHAPTER

Chairman:	Zubaidi Abang Zamhari	Petronas Carigali Sdn Bhd
Dep. Chairman:	Choong Wai Heng	Universiti Malaysia Sabah
Secretary:	Devayne Koh	Sabah Skills & Technology Centre
Treasurer	Natalie Fung	Sabah Skills & Technology Centre
Members:	Afizza Izma	PETRONAS Carigali Sdn Bhd
	Brandon Chin	Nabalujaya Sdn Bhd
	Chung Tze Kong	Institute of Development Studies
	Sylvester Linus	Seahawk Safety Training & Consultancy
	Teddy Yee Chen Wee	Sabah Shell

IMM WORKING COMMITTEE REGIONAL CHAPTERS

2016-2018 SESSION

SOUTHERN CHAPTER COMMITTEE

Chairman:	Prof. Dr. Esah Hamzah	Universiti Teknologi Malaysia
Dep. Chairman:	Dr. Muhammad Azizi Mat Yajed	Universiti Teknologi Malaysia
Secretary:	Dr. Zamri Yusop	Universiti Teknologi Malaysia
Treasurer:	Dr. Tuty Asma Abu Bakar	Universiti Teknologi Malaysia
Members:	Dr. Engku Mohd Nazim Engku Abu Bakar	Universiti Teknologi Malaysia
	Dr. Jasmi Hashim	Universiti Teknologi Malaysia
	Dr. Norhayati Ahmad	Universiti Teknologi Malaysia
	Dr. Nor Akmal Fadil	Universiti Teknologi Malaysia

Treasurer:	Raymond Phen @ Plen	Institute of Materials, Malaysia
Members:	Ir. Chieng Lee Hung	Institute of Engineers, Malaysia
	Ir. Max Ong Chong Hup	NORIMAX Sdn Bhd
	Chang Kuet Shian	Laku Management Sdn Bhd
	Dzulasis Aliska	ASEAN Bintulu Fertilizer Sdn Bhd
	Foo Hwa Chit	Malaysia LNG Sdn Bhd
	Jowel Mundat	Bintulu Port Sdn Bhd
	Philip Tsen Sei Fook	Ultradex Engineering Supply Sdn Bhd
	Steward Siran	Ultradex Engineering Supply Sdn Bhd

STUDENT CHAPTERS

Chairman:	Assoc. Prof. Eur. Ing. Nigel Patrick Brewitt	NORIMAX - MTIS
Dep. Chairman:	Dr. Karen Wong Mee Chu	Universiti Tunku Abdul Rahman
Members:	Dr. Andrew Spowage	Wood Group Intetech Sdn Bhd
	Kang Kim Ang	Corrtrol Services Sdn Bhd

VIBRATION COMMITTEE

Chairman:	Dato' Dr. Ir. Haji Mohd Abdul Karim Abdullah	Serba Dinamik Sdn Bhd
Immediate Past Chairman:	Noor Hisham Ab. Hamid	Euro-Circuit Technology Sdn Bhd
Secretary:	Dr. Zulkarnain Kedah	Serba Dinamik Sdn Bhd
Treasurer:	Dr. Alex Ong Zhi Chao	Universiti Malaya
Members:	Lt. Kdr. Mohd Sabri Ahmad	Royal Malaysian Navy
	Prof. Dr. Andy Chit Tan	Universiti Tunku Abdul Rahman
	Dr. Gary. Y. Lee	Shell Global Solution Sdn Bhd
	Dr. Rafiziana Md Kasmani	Universiti Teknologi Malaysia
	Dr. Rahizar Ramli	Universiti Malaya
	Ir. Dr. Nadianor Md Yusop	Universiti Sains Malaysia
	Ir. Faizul Azly Dzubir	PETRONAS Group Technical Solutions
	Ir. Mohd Nizam Ab Wahab	Petroleum Nasional Berhad
	Ir. Sivakumar Pugendiran	Shell Global Solution Sdn Bhd
	Abdul Qaiyum Alidin	Resonics Consultancy
	Affandi Abd Hamid	Serba Dinamik Sdn Bhd
	Fairuz Salleh	Vibratec Asia-Pacific Sdn Bhd
	Farida Hanom Hussin	Serba Dinamik Sdn Bhd
	Martin Agar	Vibratec Asia-Pacific Sdn Bhd
	Md Adzhar Ahmad	SIRIM Bhd
	Mohamed Ackiel Mohamed	Serba Dinamik Sdn Bhd
	Mokhtar Mohd Tahir	Serba Dinamik Sdn Bhd
	Paul Crowther	Wood Group
	Ravindran Kalidas	Vibratec Asia-Pacific Sdn Bhd
	Razaman Maydin	RZF Engineering Services
	Salim Sumormo	Petroleum Nasional Berhad
	Yogeswaran Sinnasamy	Sciences and Technology Research Institute for Defence (STRIDE)
	Zaharudin Ariffin	Petroleum Nasional Berhad

TASK FORCE ON COATINGS FINGERPRINTING

Chairman:	Nurul Asni Mohamed	PETRONAS Group Technical Solutions
Advisors:	Prof. Dr. Mohamad Kamal Harun	Higher Education Leadership Academy (AKEPT)
	Assoc. Prof. Dr. Melissa Chan Chin Han	Universiti Teknologi MARA
	Assoc. Prof. Dr. Tan Winie	Universiti Teknologi MARA
	Ir. Max Ong Chong Hup	NORIMAX Sdn Bhd
Members:	Dr. Chew Khoo Hee	Tunku Abdul Rahman University College
	Dr. Chew Kong Chin	Becker Industry Coatings (M) Sdn Bhd
	Dr. Mahmood Anwar	Curtin University
	Dr. Norlaili Bt. Amir	Universiti Teknologi PETRONAS
	Dr. Yoga Sugama Salim	NORIMAX Sdn Bhd
	Dr. Yu Lih Jiun	UCSI University
	Abdul Aziz Haron	SIRIM Bhd
	Ahmad Badli Shah Aziz	International Paints (M) Sdn Bhd
	Anis Amilah	PETRONAS Group Technical Solutions
	Chang Yau Chong	Kansai-PLC Coatings (M) Sdn Bhd
	Chow Mee Ling	Agilent Technologies Sales (M) Sdn Bhd
	Kelly Hong Mun Key	Research Instruments (M) Sdn Bhd
	Kenneth Way Chiang Poh	Perkin Elmer (M) Sdn Bhd
	Lee Choon Siong	Jotun (M) Sdn Bhd
	Lim Chuan Gee	SIRIM Bhd
	Liyana Razak	PETRONAS Group Technical Solutions
	M Shahril Atiqi M Sharip	PETRONAS Group Technical Solutions
	Mark Hew Yoon Onn	Universal Corrosion Engineering (M) Sdn Bhd
	Nurjaimi Ali	PETRONAS Group Technical Solutions
	Renee Teo Yong Yin	Bruker (M) Sdn Bhd
	Selvandran Vello	Hempel (M) Sdn Bhd
	Terence Wee Tee Hin	PPG-Sigma Coatings (M) Sdn Bhd
	Theng Soo Siang	KCC Paints Sdn Bhd

TASK FORCE ON UPSKILLING SARAWAK ENGINEERS & TECHNICIANS

Chairman:	Ir. Pau Kiew Hual	Malaysia LNG Sdn Bhd
Dep. Chairman:	Ir. Lucas Takip	ASEAN Bintulu Fertilizer Sdn Bhd
	Ir. Tay Mui Poh	Shell MDS Sdn Bhd
Secretary:	Ir. Robert King	Malaysia LNG Sdn Bhd

Compiled by: IMM Secretariat

The information was updated as of 16th June 2017

RENEW your annual subscription fees for 2018 BEFORE 31st December 2017!

2 simple steps:-

- (1) check your membership grade
- (2) make payment and send your payment proof to secretariat@iommm.org.my

Description	Amount (RM)					
	Fellow (F.I.M.M.)	Professional (M.I.M.M.)	Associate (A.M.I.M.M.)	Company	Ordinary	Student
Annual Subscription	150.00	100.00	80.00	200.00	40.00	10.00
						Nil

Account Name: Institute of Materials, Malaysia
 Account No: 032 000 273 16
 Swift Code: HLBBMYKL
 Bank Name: Hong Leong Bank (M) Berhad
 Bank Branch: Shah Alam Branch
 Country: Malaysia

Cheque can be sent to No. D-0-9, Setiawangsa Business Suite,
 Jalan Setiawangsa 11, Taman Setiawangsa, 54200 Kuala Lumpur, Selangor via post/mail or direct bank-in.

Please email your bank-in slip as your payment proof to secretariat@iommm.org.my





COURSES OF INSTITUTE OF MATERIALS, MALAYSIA

IMM accredited courses are recognized in oil and gas, shipbuilding, construction industries etc. Some of the IMM courses are endorsed by PETRONAS. Graduates of IMM courses get supplementary knowledge in materials technology and engineering and are better placed for employment and usually enjoy higher remunerations.

Coating Certification Scheme

- (1) Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2
- (2) Certified Blasting and Painting Supervisor
- (3) Certified Coating Inspector Level 1 & Level 2
- (4) Certified Coating Quality Control Technician
- (5) Corrosion Control by Protective Paints

Coating Fingerprint Certification Scheme

- (1) Coating Fingerprint Foundation Course
- (2) Certified Coating Fingerprint Quality Controller
- (3) Certified Coating Fingerprint Trainer
- (4) Refresher Course of Certified Coating Fingerprint Quality Controller

Corrosion Certification Scheme

- (1) Certified Corrosion Technician Level 1 & Level 2
- (2) Certified Cathodic Protection Technician
- (3) Certified Cathodic Protection Engineer
- (4) Corrosion Control by Cathodic Protection
- (5) Basic Corrosion Course

Materials Courses

- (1) Materials Selection & Corrosion
- (2) Metallurgical Failure Investigation

Thermal Insulation Certification Scheme

- (1) Introduction to Thermal Insulation
- (2) Certified Thermal Insulation Installer

Vibration Certification Scheme

- (1) Certified Vibration Practitioner Level 1
- (2) Certified Vibration Practitioner Level 2
- (3) Certified Vibration Specialist Level 3
- (4) Certified Vibration Specialist Level 4

Welding Certification Scheme

- (1) Certified Welding Inspector
- (2) Certified Welding Assistant (Grinding & Cutting)
- (3) Certified SMAW-2F Welder
- (4) Certified SMAW-1G Welder / 3G Welder / 6G Welder
- (5) Certified Welding Fitter
- (6) IMM-JWES Welding Engineers Certification Courses (AWE/WE/SWE)*
 - Associate Welding Engineer (AWE)*
 - Welding Engineer (WE)*
 - Senior Welding Engineer (SWE)*
- (7) Repair Welding of Pressure Equipment in Refineries & Chemical Plants
- (8) Welding & Joining Technology for Non-Welding Personnel
- (9) Steel Technology for Non-Technical Personnel

* non-IMM course; certification scheme of the Institute of Materials, Malaysia (IMM) in collaboration with the Japan Welding Engineering Society (JWES).

IMM 1-Day Conference on Prevention of Loss of Primary Containment



Reported by: Mr. Raymond Phen, IMM Bintulu Chairman

Date : 1st November 2017
Venue : Bintulu, Sarawak

The conference conducted by Institute of Materials Malaysia (IMM) at Parkcity Everly Hotel here yesterday was meant to raise the awareness of loss of primary containment (LOPC) among those in workforce of oil and gas (O&G) facilities.

A total of 120 participants took part in the conference, which was initiated by Upskilling Sarawak Engineers and Technicians Task Force (USET) and organised by IMM Bintulu Chapter, with support from the Institution of Engineers Malaysia (IEM) Bintulu Section.

"The topic for this conference is indeed a timely one – perhaps overdue, in that many O&G facilities are facing this issue but have not identified it as LOPC yet.

"I hope today's programme would assist all in gaining some pointers to prevent LOPC problems at their facilities," said IMM Bintulu chairman Raymond Phen in his opening remarks. According to him, IMM was established in 1987 to create awareness of the importance of material science and technology in Malaysian industries.

"To achieve its objectives, IMM has conducted numerous conferences, seminars, workshops, training programmes and technical certification courses in the areas of material testing, metals and non-metals, corrosion, weldings, coatings, polymers, composites, vibrations and failure analysis for industries in Malaysia.

"In recent years, IMM has set up collaborations with universities and polytechnics to provide guidance to the students and also open industry-linkages for the lectures," said Phen.

The conference brought in six invited speakers, headlined by Datuk Dr. Mohd Abdul Karim Abdullah who is the chief executive officer of Serba Dinamik Group Bhd – the main sponsor of the conference.

The topic for this conference is indeed a timely one – perhaps overdue, in that many O&G facilities are facing this issue but have not identified it as LOPC yet. Raymond Phen, IMM Bintulu chairman.

The second speaker was Selangor *in-situ* head office general Manager Chua Eng Sin who talked about online leak sealing;

followed by Eric Schmitz from Team Furmanite who presented his paper on 'Joint Integrity Management'; Occupational Safety and Health Department director Datuk Johari Basri who is also group advisor to Serba Dinamik; Foo Hwa Chit of MLNG who is also IMM Bintulu deputy chairman; and Petronas head of health, safety and environment (HSE) upstream Yong Sai Chung.

The second session was a panel of discussion on prevention of LOPC, chaired by Yong.

The panellists were Shell MDS Sdn Bhd general manager for manufacturing Tom Wong, IMM-IEM Uset Task Force deputy chairman Lucas Takip, Petronas Sarawak Gas head Morris Mail and PSM/ TIPS (Petronas) head Clista Sintian.

Reprinted from:

<https://www.pressreader.com/malaysia/the-borneo-post/20171101/281797104255673>

Copyright 2017, permission from The Borneo Post



Figure 1: Group photo



Figure 2: Mr. Raymond Phen speech delivery



Announcement on Establishment of Asia Pacific Vibration Federation



Reported by: Dr. Zulkarnain Kedah, Serba Dinamik Group Berhad (IMM Vibration Committee 2016-2018, Secretary)
 Edited by: Ir. Max Ong Chong Hup, Norimax Sdn Bhd

Date : 16th November 2017
Venue: Corus Hotel, Kuala Lumpur

The Asia-Pacific Vibration Federation (APVF) was officially launched on 16th of November 2017 by its co-founders, the IMM Vibration Committee of Institute of Materials, Malaysia (IMM) and Chinese Mechanical Engineering Society (CMES) in Kuala Lumpur. One of the key objectives and strategies of the APVF is to establish vibration certification programmes based on ISO 18436 in the international arena.



Figure 1: The launching of Asia-Pacific Vibration Federation



Figure 2: Dato' Dr. Ir. Mohd Abdul Karim Abdullah, Chairman of IMM Vibration Committee shook hand with Prof. Lin Jianhui, the main representative from Chinese Mechanical Engineering Society (CMES)

Dato' Dr. Ir. Mohd Abdul Karim Abdullah, the Chairman of the IMM Vibration Committee and Prof. Lin Jianhui, the main representative from CMES were invited on stage to execute the launching of Asia-Pacific Vibration Federation in November 2017.



Figure 3: Group photo session from IMM management committees, vibration working committees and delegates from QRI, Southwest Jiaotong University

This APVF launching ceremony and exchanging of plaques were also witnessed by the representatives from CMES, IMM Management Committee, IMM Council Members and IMM Vibration Working Committee Members.

IMM Commences Delivery of Society for Protective Coatings Blaster-Painter Craftsman Courses



Reported by: Dato' Udani bin Dato' Seri Mohd Daud, Maxenergy Sdn. Bhd.

Date : 4th December, 2017
Venue: Kuala Lumpur, Malaysia

The Institute of Materials, Malaysia is pleased to announce the commencement of delivery of the Society for Protective Coatings (SSPC) Blaster (C7) and Painter (C12) in Malaysia. Under a historic agreement signed in early 2017, IMM has the sole rights to deliver SSPC blaster-painter craftsman courses.

C7 is designed for contractor personnel who wish to obtain certification, or others who wish to learn about blast cleaning of steel and nonferrous surfaces. It covers principles of surface preparation, surface cleanliness, surface profile, dust and debris control, and abrasives. Similarly, the C12 program assesses the skills of sprayers who have a minimum of 800 hours applying protective coatings with airless/conventional spray in an industrial or marine environment.

These certifications are already accepted for the Oil & Gas industry in Malaysia and are in the PETRONAS Technical Standards (PTS) as the new minimum certification standard in order to work on PETRONAS assets.

For further information and future class schedules please contact Aaron Williams (Aaron@SchmidtAbrasiveBlasting.com or cell +6017 274 4123).



Figure 1: The launching of Asia-Pacific Vibration Federation

About SSPC

Founded in 1950, SSPC's mission is to inspire learning, advance knowledge, and elevate performance in the industry through training, certification, and education of the workforce, communication of advances in technology, and promotion of the use of protective coatings. SSPC is the leading source for information on surface preparation, coatings selection, coatings application, environmental regulations, and health and safety issues that affect the protective coatings industry. For more information, visit www.sspc.org.

About IMM

Institute of Materials, Malaysia (IMM) is a non-profit professional society that promotes honourable practice, professional ethics and encourages education in materials science, technology and engineering. Engineers, academicians, technicians, skilled workers and professionals are amongst its members exceeding 4,000.

Will your products last outdoors?

Don't guess when you can test!



QUV

Accelerated
Weathering Tester



Q-SUN

Xenon Arc
Testers



Q-FOG

Cyclic Corrosion
Testers

Q-Lab is represented in Malaysia by:



H.J. Unkel (M) Sdn.Bhd.
28, Jalan Biola 33/1, Section 33,
40400 Shah Alam,
Selangor Darul Ehsan,
Malaysia.

Contact:
Mr. Loo CK and Mr. Ben Ng
Tel: +603-5525 9292
sales@hjunkel.com.my
www.hjunkel.com.my

www.q-lab.com

IMM 1-Day Conference on Pipeline Corrosion Management



Reported by: Ir. Ong Hock Guan, Sarawak Shell Berhad (IMM Corrosion Committee, Chairperson)
Edited by: Ir. Leow Chun Ho, Sarawak Shell Berhad (IMM Corrosion Committee, Treasurer)

Date : 27th September 2017
Venue: Corus Hotel, Kuala Lumpur



Pipeline Corrosion Management conference was successfully organized by Institute of Materials Malaysia (IMM), Corrosion Committee at Corus Hotel, Kuala Lumpur on 27th September 2017. The event was attended by a total of 108 participants, 30 students from the local University, 12 esteem speakers, 12 exhibitors and a keynote speaker.

Pipeline plays an essential role in the transfer of bulk liquid products. Without these global network pipelines, key industries such as the offshore oil and gas sector will no longer be viable. South East Asia is highly dependent on its extensive network of pipelines (e.g. it is estimated that there are 8,766 km of gas transmission and distribution pipelines in the region) to supply the energy needs of its people and support its growing economies. The severe financial pressures in recent years coupled with the high capital costs associated with the new pipelines have placed considerable pressure on the

industry to make better use of existing asset and to extend their operational lives. The average annual corrosion-related cost to the pipeline transmission industry has been estimated at US\$7.0 billion. Corrosion consideration play a key role in determining the initial cost of a given pipeline as well as having a large impact on operating costs and life extension considerations.

There are three sessions in the conference which are: Pipeline Corrosion Monitoring & New Technologies, Corrosion Management and Pipeline Inspection & Integrity Management where the speakers shared their best practices, field experiences and new technologies. The technical knowledge base alone will be insufficient to address the pipeline related corrosion challenges within the current environment. Innovation across multiple disciplines combined with the building of sustainable partnerships between operators, service companies, vendors, contractors and academia are essential. The conference received very well and engaging participation from the audience during the panel discussion towards the end of the day.

Last but not least, IMM Corrosion committee would like to express appreciation to participants and exhibitors.



Figure 1: Group photo of speakers and IMM members



Main sponsor



Seminar on **VIBRATION TECHNOLOGY** in the era of Industry 4.0

16th March 2018 • 10.00am - 4.45pm • Impiana KLCC Hotel, Kuala Lumpur

16th March 2018 5.30pm – 7.30pm 28th ANNUAL GENERAL MEETING

IMM Vibration Conference



Reported by: Dr. Zulkarnain Kedah, Serba Dinamik Group Berhad (IMM Vibration Committee 2016-2018, Secretary)

Edited by: Ir. Max Ong Chong Hup, Norimax Sdn Bhd

Date : 16th November 2017
Venue : Corus Hotel, Kuala Lumpur

IMM aims to reel in more local youths into hi-tech programs related to Oil & Gas.

One of main activities organised by the IMM Vibration Committee in 2017 is to organise an international conference to create awareness programmes and educate the audience about the importance of vibration technology and its significant benefits to health, safety, environment and commercial aspects. This conference was successfully organised by Institute of Materials, Malaysia (IMM), IMM Vibration Committee and attended by a total of 104 participants which comprised of various industry players and academicians.



Figure 1: Mr. Mohd Azmi Mohd Noor, President of IMM delivered his opening speech

Morning Session:

Dato' Dr. Ir. Mohd Abdul Karim, the Group President/CEO of Serba Dinamik Sdn. Bhd. who was the first guest speaker, presented an overview of Vibration Practitioner Levels 1 and 2 as well as Vibration Specialist Levels 3 and 4 based on ISO 18436, respectively. He explained the programme objectives, minimum requirements, learning outcomes and programme contents for each certification level. He also highlighted the importance of vibration technology that can benefit significantly not only various industries such as oil and gas, marine and railway but also government agencies such as Royal Malaysian Navy and Royal Malaysian Air Force. He ended his presentation by encouraging the participants interested to become 'xifu' in this field to enrol in the international vibration certification programmes based on ISO 18436.

Next, Mr. Ravindran, Business Development Manager from Vibratex Asia-Pacific presented 'The Sensitivity Study of Slug Induced Fatigue in Flow Line Spools'. He explained that the fatigue generated by slugs in pipelines depends on the pipe structure, slug density, velocity and length. He also emphasised that highest vibration and stress levels are due to an unfavourable phase angle between the oscillating response of the structure and the dynamic excitation applied to it.



Figure 2: Dato' Dr. Ir. Mohd Abdul Karim Abdullah, Chairman of Vibration Committee presented the first topic related to vibration certification programmes based on ISO 18436

Then, Mr. Paul Crowther, Principal Consultant from Wood Group presented 'The Specifying and Management Appropriate Reciprocating Pump and Compressor Studies'. He discussed the designed standards for reciprocating pumps and compressors and emphasised the pulsation which must be considered in reciprocating pump piping design for critical systems. He also described that assessments in the standards can be used to solve operational issues.

This was followed by Prof. Lin from Traction Power State Laboratory of Southwest Jiatong University, China who presented 'Health Monitoring and Early Warning of High-Speed Rail Based on Vibration and Temperature'. He explained that through the high-speed rail operating parameters of real-time detection and accurate measurement, a comprehensive operating status can be captured to achieve the comprehensive safety assessment of high-speed rail operation. He emphasised that the use of real-time online tracking, wireless sensor networks, intelligent networking, distributed modularisation and other relevant technologies are analysed and diagnosed by a variety of data platforms to enhance the safety of high-speed rail operations.



Figure 3: Group photo

Afternoon Session:

According to Mr. Lee McFarlane, the Director of Asset Management Division for AV Technology Ltd, vibration monitoring has evolved with the technology in the last 25 years to improve plant reliability and availability. His paper described how the evolution of this technology over 25 years has resulted in diagnostics and prognostics becoming more accurate due to processing power, digital electronics, web-based systems, WiFi and bluetooth.

Furthermore, Dr. Bazil, a Senior Engineer from the Dynamic Engineering Department of Doosan Babcock, UK shared two case studies in pipework vibration from modelling to site investigations. The first case study is about flow induced vibration of a production header while the second one is about reciprocating compressor vibration mitigation.

Mr. Ahmad Fadzli, Staff Engineer from Malaysia LNG then presented 'Centrifugal Compressor Sub-Synchronous Vibration' which focuses on identifying root causes for effective solutions. He also explained vibration plots, elimination of causes, and fault tree analysis, solution and verification run. He concluded that bearing housing misalignment due to loose taper has caused eccentric shaft labyrinth and increased destabilisation force, while parts rubbing during rotor flexing can lead to destabilising factors resulting in decision for impeller trimming.

Prof. Zaidi from Universiti Sains Malaysia presented 'Overcoming Machine Vibration Problem Using Structural Dynamics Modification (SDM) Technique'. He highlighted a

case study of the application of SDM where a mass-damper unit is added to a frame of high speed vision inspection system used for the electronic manufacturing to reduce the vibration due the fast-moving tray. He concluded that not only SDM can be used as a predicting tool for vibration attenuation in machineries but also for simulation work to determine the effective location, secondary mass, damping and stiffness of the DVA on the primary system.

Finally, Lieutenant Commander Dr. Ir. Arman from the Royal Malaysian Navy shared his experiences in vibration analysis onboard Royal Malaysian Navy ships and submarines. He presented new generation patrol vessel overview and ship control and management system followed by vibration analysis onboard and onsite measurement.



Figure 4: Question and answer session

Memorandum of Understanding Signing Ceremony Between IMM and South West JiaTong University



Reported by: Dr. Zulkarnain Kedah, Serba Dinamik Group Berhad (IMM Vibration Committee 2016-2018, Secretary)
Edited by: Ir. Max Ong Chong Hup, Norimax Sdn Bhd

Date : 16th November 2017
Venue: Corus Hotel, Kuala Lumpur

One of the main activities of IMM Vibration Committee in 2017 is to collaborate with international strategic partner for mutual benefit and win-win situation. The MOU signing ceremony between IMM and Qingdao Research Institute (QRI), was successfully carried out by IMM Vibration Committee. En. Mohd Azmi Mohd Noor, President of IMM signed the MOU in the presence of Dato' Dr. Ir. Mohd Abdul Karim Abdullah, the Chairman of IMM Vibration Committee while Prof. Lin Jianhui, President of Qingdao Research Institute, Southwest Jiaotong University, China signed it in the presence of Prof. Chen Chunjun, Professor of Southwest Jiaotong University.

This MOU is intended to establish the following objectives as part of the international collaboration programmes:

1. To carry out rail transit related training courses offered by both parties.
2. To utilise training facilities available at IMM and QRI.
3. To organise and participate in joint academic activities such as conferences, workshops, publications, seminars and showcase the vibration technology related to railway transit.

This MOU signing ceremony was also witnessed by the delegates of Southwest Jiaotong University, IMM Council Members, and IMM Vibration Committee Members.



Figure 1: Prof. Chen signed the MOU as a witness

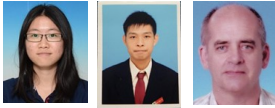


Figure 2: Dato' Dr. Ir. Mohd Abdul Karim signed the MOU as a witness



Figure 3: Mr. Mohd Azmi Mohd Noor, the President of IMM exchanged MOU document with Prof. Lin Jianhui, President of QRI, Southwest Jiaotong University

IMM Student Chapter Career Talk



Reported by: Ms. Moo Karen (Event Chairperson, UTAR-IMM Student Chapter Vice Chairperson) and Mr. Lee Huan Soon (UTAR-IMM Student Chapter Chairperson)
Edited by: Assoc. Prof. Er. Ing. Nigel Patrick Brewith, Norimax Sdn. Bhd.

Date: 3rd November 2017
Venue: University of Tunku Abdul Rahman
Sungai Long Campus

The Institute of Materials, Malaysia Student Chapter of University of Tunku Abdul Rahman (UTAR-IMM Student Chapter) organized a technical talk about job opportunities and working experiences in Material Engineering and Corrosion Protection Field and Material Failure Investigation. Nearly 30 undergraduates including staff attended this talk. The technical talks were presented by our invited IMM council members; Ir. Kang Kim Ang and Assoc. Prof. Eur. Ing. Nigel Patrick Brewith.

Prior to the commencement of the two technical talk sessions, our session emcee, Mr. Matthew Ong Tan Jyn (UTAR-IMM Student Chapter Committee), warmly greeted the two technical experts and the participants. On behalf of UTAR-IMM Student Chapter, Assoc. Prof. Dr. Karen Wong Mee Chu, our UTAR-IMM Student Chapter Adviser delivered a welcoming speech for the two invited speakers, thanking them for coming over to share their experiences in their respective fields and giving students a deeper insight into the industries.

The technical talk was separated into two sessions. It began with "Job Opportunities and Working Experiences in Materials Engineering and Corrosion Protection Field" by Ir. Kang Kim Ang. The second session continued after a 10 minute break with the title "Materials Failure Investigation" presented by Assoc. Prof. Eur. Ing. Nigel Patrick Brewith.

The first technical talk introduced the career opportunities for the young engineers especially those who majored in Materials Engineering. Ir. Kang shared his career development about starting as a fresh graduate until how he became the managing director of Corrtrol Synergy Sdn Bhd. He emphasised that the key to success is passion. He said that the graduation certificate simply means that we have only acquired some general knowledge of our discipline without any specialised skill and that might buy us an interview session, but attitude and passion are what employers are truly looking for. He encouraged the students to choose the field that they are interested in as their lifetime career or maybe if they have no clue on their future career after graduation, he suggested the students to try to have some interest in what they do because passion is what keeps people moving. He advised the students to further their studies after graduation to keep pace with the world so that we will not easily be replaced by machines and this is the benefit of being an engineer. "We use our brain to change the world and so we are irreplaceable." he said.

After the motivational speech, Ir. Kang went deeper into the corrosion field by using pipelines as an example. He explained the importance of prevention and maintenance of pipeline to avoid serious damages in terms of human lives and costs. He mentioned that materials are important in designing systems like pipelines as different materials shall be used under different circumstances for an optimum efficiency. Students were exposed to the depth of different industries. They were told that working as operation engineers in factories is not their only option, and that there are actually a lot of other options out there waiting for them to challenge them.

The second session of the technical talk continues after a short break by Assoc. Prof. Nigel. He is the chairman of IMM Student Chapter and is attached to the Industrial Advisory Board for Nottingham University (Malaysia Campus) and an Industrial Consultant for the design in Engineering course at the university. Furthermore, he set up a company called MTIS which deals with failure investigation and materials characterisation in the South-East Asia region. Assoc. Prof. Nigel explained the procedure of materials failure investigation step by step. He also mentioned the importance of gaining background information of details such as operation temperature and flowrate. These details help a lot in the investigation. Due to the time constraint, he only managed to give two examples on the spot in helping students to understand better.

Before the two technical talks ended, there was a Q & A session and students really appreciated that all their queries and concerns were all satisfactorily solved by the two speakers. All UTAR-IMM Student Chapter members would like to take this opportunity to show our deepest gratitude to our two invited speakers.

On behalf of UTAR-IMM Student Chapter, the student chapter advisor, Dr. Karen, presented a token of appreciation to the speakers.



Figure 1: Group photo of IMM student chapter members

ANNOUNCEMENT



BEWARE OF FALSE IMM CERTIFICATES!!!

FALSE IMM Blaster & Painter Certificates and IMM Coating Inspector Certificates detected and a police report has been initiated. Anyone with knowledge or information pertaining to the issuer or persons purchasing such false IMM certificates are requested to notify the IMM Management Committee through email address < secretariat@iommm.org.my >

Please click on this message to verify the list of IMM Blaster & Painter Certificates, IMM Coating Inspector Certificates and other IMM certified certificates (1st phase of updating) on the IMM website

www.iommm.org.my.

Inspired by Nature

Established Since 1994
**INTEGRATED PROJECT
MANAGEMENT SERVICES
PROVIDER OF CHOICE**

Integrated Project Management
Asset Integrity Solutions
Integrated Operations
Technical Consultancy
Project Support
EPCC

Cekap

CEKAP TECHNICAL SERVICES SDN BHD (295213-P)
No D-0-9, Setiawangsa Business Suite, Jalan Setiawangsa 11, Taman Setiawangsa
54200 Kuala Lumpur, Malaysia
Tel: +603-4256 2286 Fax: +603-4256 9286
headoffice@cekaptechnical.com
www.cekaptechnical.com

History of Materials Lecture Competition



Prof. Dr. Esah Hamzah, Universiti Teknologi MARA
(Chairperson, IMM-Material Lecture Competition Committee)



BACKGROUND

The Materials Lecture Competition (MLC) is the brainchild of the Institute of Materials Malaysia (IMM) to give a platform to the young students and researchers from public and private universities as well as from the industries in Malaysia to showcase their ability to communicate their research work or projects related to materials to a diversified audience. The name "Materials Lecture Competition" or simply known as MLC was proposed and had been approved by IMM Council in year 2012. The first MLC known as MLC2012 was introduced in July 2012 in conjunction with the 8th International Materials Technology Conference and Exhibition (IMTCE2012) organised by IMM. This was followed by MLC2013 in the following year and has become an annual event till today. In the year 2014, MLC Semi Finals was introduced due to an overwhelming response from the institutions of higher learning in Malaysia to participate and compete in the MLC. The MLC Semi Final main objective is to select the top five winners whom will compete in the MLC Finals. The First Winner from MLC Finals will represent Malaysia (as Malaysia Finalist) in the International competition known as the Young Person's World Lecture Competition (YPWLC) organised by the Institute of Materials, Minerals and Mining (IOM3), UK.

OBJECTIVES

The Materials Lecture Competition (MLC) is an initiative intended to give the opportunity to the young students and researchers, particularly in the area of materials science & engineering, to showcase their presentation skills and share their knowledge on issues pertaining to materials to a diversified audience. The MLC is open to all registered Malaysian and international students (except academic staff) in the public and private universities as well as graduates in Malaysia. They should be under the age of 28 in the year of the competition. Each university is allowed to send one candidate to compete in the MLC. Topics of the presentation are from the following areas of interest (but not limited to): materials development, characterization, properties, processing and applications.

HISTORY OF MLC

Materials Lecture Competition was first organized by the Institute of Materials, Malaysia (IMM) in 2012 and it has become an annual event.

Materials Lecture Competition 2012 (MLC 2012)

MLC FINAL

Host: IMM

Date: 09th July 2012 (2.00-5.30pm)

Venue: Sunway Hotel, Resort & Spa Kuala Lumpur

Chairperson: Prof. Dr. Esah Hamzah (IMM)

Participating Universities (3): UTM, USM and UPM.

MLC 2012 Judges:

1. Dato' Dr. Ong Eng Long (IMM Past President)
2. Ir. Maimunah Ismail (Shell Bhd)
3. Eng Nigel Brewitt (Norimax-MTIS)

Winners:

(A) Undergraduate Category

First: Mohd Danial Shafiq (USM)

Runner-up: Gary Yeow Wen Jie (UTM)

(B) Postgraduate Category

First Prize: M. Ghaddafy Affendy (USM)

Runner-up: Nor Aqilah Mohd Fadzil (UPM)

MAIN SPONSORS

IMM

REMARKS

-MLC 2012 was the first MLC and was held in conjunction with the IMTCE 2012 conference (9-12th July 2012) organised by IMM.

-MLC 2012 has two categories: undergraduates and post-graduates. It did not follow the YPWLC rules.

-No Malaysia finalist selected to participate in the YPWLC 2012 because no agreement was signed between IMM and IOM3-UK (main organiser of YPWLC).

-Invitations to participate in MLC 2012 were sent to many universities in Malaysia but only 3 universities gave their responses:
UTM, USM and UPM.



Materials Lecture Competition 2013 (MLC 2013)

MLC FINAL

Host: IMM

Date: 30th May 2013 (1.45-6.30pm)

Venue: Seri Pacific Hotel, Kuala Lumpur

Chairperson: Prof. Dr. Esah Hamzah (IMM)

Participating Universities (10):

UTM, USM, UKM, UM, UTP, UniMAP, UiTM, UTeM, APU and Nottingham University Malaysia

MLC 2013 Judges:

1. Ir. Max Ong Chong Hup (IMM)
2. Dr. Ng Wing Kong (IOM3-Malaysia Branch)
3. Prof. Dr. Ahmad Faizal Mohd Zin (UMP).

Winners:

First: Farahani Ina Nazari (UTeM)

Second: Yap Meng Wei (UM)

Third: Mohd Idham Mohd Ibrahim (UiTM)

MAIN SPONSORS

IMM and IOM3-Malaysia Branch

Cash Prizes awarded to:

First winner = RM3000

2nd winner = RM2000

3rd winner = RM1000

Consolation prizes = 2x RM500

REMARKS

-MLC 2013 was held in conjunction with the 1st International IMM Materials Symposium on 30th May 2013 at Seri Pacific Hotel, Kuala Lumpur.

-The first National MLC Committee was formed in year 2013 comprised of representatives from various IPTA/IPTS in Malaysia.

-Prof. Dr. Esah Hamzah was appointed as the Chairperson of IMM-MLC by IMM Council.

-An MoU was signed between IMM and IOM3-Malaysia Branch in order to allow MLC 2013 First Winner to be the Malaysia Finalist to participate in the YPWLC 2013 in Hong Kong.

- The First winner of MLC 2013, Farahani Ina Nazari (UTeM) became the Malaysia Finalist to participate in the YPWLC 2013 in Hong Kong on 31st Oct 2013, fully sponsored by IOM-UK.

-The accompanying person to Hong Kong was Prof. Dr. Esah Hamzah (IMM-MLC chairperson) sponsored by IMM.



Materials Lecture Competition 2014 (MLC 2014)

MLC FINAL

Host: IMM

Date: 13th May 2014 (2.00-5.00pm)

Venue: Seri Pacific Hotel, Kuala Lumpur

Chairperson: Prof. Dr. Esah Hamzah (IMM)

MLC 2014 Final Judges:

1. Prof. Dr. David Rugg (Rolls-Royce PLC)
2. Mr. Barry Lyle (IOM3-UK)
3. Prof. Ir. Dr. Ahmad Faizal Mohd Zain (USIM)
4. Assoc. Prof. Ir. Dr. Nahrul Khair Alang Md Rashid (IIUM)

Winners:

First: Losini A/P Amarasan (MMU)

Second: Kudzai Nigel Chitewe (APU)

Third: Mohd Saidina Dandan Satia (USM)

MAIN SPONSORS

PETRONAS and IMM

Cash Prizes awarded to:

First winner = RM3000

2nd winner = RM2000

3rd winner = RM1000

Consolation prizes = 2x RM500

REMARKS

-MLC 2014 was held in conjunction with IMTCE 2014 conference (13-16th May 2014) organised by IMM.

-IOM3-UK agreed to let the MLC 2014 First Winner, Ms. Losini Amarasan (MMU) to be the Malaysia Finalist and participated in the YPWLC 2014 in the University of California, Riverside, USA on 23rd October 2014, fully sponsored by IOM3-UK.

-The Malaysia Finalist, Ms. Losini won Third Place in the YPWLC 2014 competition.

-The Accompanying person to the USA was the IMM-MLC Chairperson, Prof. Dr. Esah Hamzah. The trip was sponsored by PETRONAS .



Materials Lecture Competition 2015 (MLC 2015)

MLC FINAL

Host: Universiti Kebangsaan Malaysia (UKM)
Date: 14th May 2015 (9.00am-12.30pm)
Venue: Bangi-Putrajaya Hotel, Selangor
Chairperson: Assoc. Prof. Dr. Mariyam Jameelah Ghazali (UKM)

MLC 2015 Final Judges:

1. Mr. James Rickard (IOM3-Hong Kong)
2. Ir. Maimunah Ismail (IMM)
3. Prof. Dr. Mohd Sapuan Salit (UPM)
4. Prof. Dr. Durrishah Idrus (UTM)

Winners:

First: Hana Atiqah Abdul Karim (UM)
Second: Kanageswary Sockalingam (UTHM)
Third: Chin Chuin Hao (UKM)

MAIN SPONSORS

IMM and UKM's Graduate Centre and the Faculty of Engineering & Built Environment

Klswire Sdn Bhd Sponsored the prize money.

Cash Prizes awarded to:

First winner = RM3000
2nd winner = RM2000
3rd winner = RM1000
Consolation prizes = 2x RM500

REMARKS

-IOM3-UK agreed to let the MLC 2015 First Winner, Ms. Hana Atiqah Abdul Karim (UM) to be the Malaysia Finalist and participated in the YPWLC 2015 in Dublin, Ireland on 22nd October 2015, fully sponsored by IOM3-UK.

-The Accompanying person to Dublin, Ireland was the MLC 2015 Chairperson, Assoc. Prof. Dr. Mariyam Jameelah Ghazali (UKM) sponsored by IMM.



Materials Lecture Competition 2016 (MLC 2016)

MLC FINAL

Host: Universiti Malaya (UM)
Date: 26th May 2016 (9.00am-12.30pm)
Venue: High Impact Research Building, Universiti Malaya, Kuala Lumpur.
Chairperson: Dr. Ang Bee Chin (UM)

MLC 2016 Final Judges:

1. Eng Nigel Brewitt (Norimax-MTIS)
2. Assoc. Prof. Dr. Chan Chin Han (IMM)
3. Dr. Mahesh Kumar Talari (UiTM)
4. Dr. Chew Khoo Hee (TAR -UC)

Winners:

First: Hoy Chun Wai (APU)
Second: Ho Wan Ying (UM)
Third: M.H.M. Mubassir (UTM)

MAIN SPONSORS

IMM and UM

Cash Prizes awarded to:

First winner = RM3000
2nd winner = RM2000
3rd winner = RM1000
Consolation prizes = 2x RM500

REMARKS

-IOM3-UK agreed to let the MLC 2016 First Winner, Mr. Hoy Chun Wai (APU) to be the Malaysia Finalist and participated in the YPWLC 2016 in Araxa, Brazil on 13th October 2016, fully sponsored by IOM3-UK.

-The Accompanying person to Brazil was Dr. Lau Chee Yong (APU) replacing the MLC 2016 Chairperson, Dr. Ang Bee Chin (UM) who was unable to go to Brazil. The trip was partly sponsored by IMM.



Materials Lecture Competition 2017 (MLC 2017)

MLC FINAL

Host: Asia Pacific University of Technology and Innovation (APU)
 Date: 16th May 2017 (9.00am-12.30pm)
 Venue: APU, Bukit Jalil, Kuala Lumpur
 Chairperson: Mr. Brian Lim Siong Chung (APU)

MLC 2017 Final Judges:

1. Prof. Dr. Mohd Kamal Harun (UiTM)
2. Ir. Dr. R. Dhakshyani (APU)
3. Mr. Kang Kim Ang (Corrtrol Services Sdn Bhd)
4. Pn. Nurul Asni Mohamed (PETRONAS Group Technical Solutions)

Winners:

- First: Ng Zheng Yu (Nottingham University Malaysia)
 Second: Mohd Haziq Dzulkifli (UTM)
 Third: Muhammad Johan Iskandar Zahari (UKM)

MAIN SPONSORS

IMM, APU and Top Glove Co.

Cash Prizes awarded to:

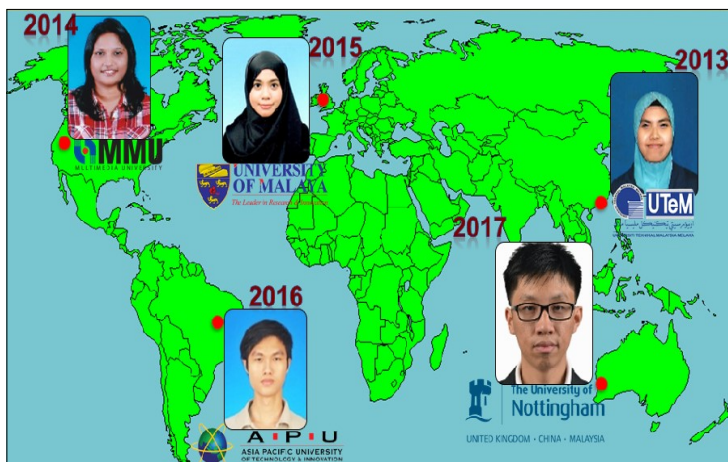
- First winner = RM3000
 2nd winner = RM2000
 3rd winner = RM1000
 Consolation prizes = 2x RM500

REMARKS

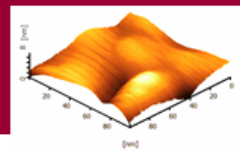
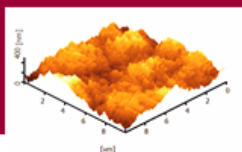
-The First Winner of MLC 2017, Mr. Ng Zheng Yu, became the Malaysia Finalist and participated in the YPWLC 2017 on 12th October 2017 in Perth, Australia.

-Mr. Ng Zheng Yu won third place in the YPWLC 2017

-The accompanying person to Perth Australia was the MLC 2017 Chairman, Mr. Brian Lim Siong Chung (APU), sponsored by IMM.



MATERIALS LECTURE COMPETITION 2018 (MLC 2018) 3rd May 2018



Introduction

Materials Lecture Competition is a National event mainly organized by IMM and IOM3-UK. This national-wide competition is an initiative intended to enhance awareness among young Materials Scientists and Engineers in Malaysia on the importance of Materials Engineering and sustainability in the advancement of technology and humankind.

Rules and Eligibility

The Materials Lecture Competition 2018 (MLC 2018) is open to any profession/students in Malaysia under the age of 28 (except academic staff) who must deliver a 15-minutes presentation on a topic related to Materials or Minerals Science and Engineering. The topic may be on the participant's current research work or project from the following areas of interest (but not limited to) Materials Development, Characterization, Processing and Applications, Minerals and Geologically related disciplines.

Submission Procedure for Competition

To take part in the MLC 2018 competition, please send an e-mail with your name, a copy of IC (Malaysian Participant) or Passport (International Participant), phone number and e-mail details as well as an abstract of a maximum of 150 words, to the MLC 2018 committee (see the contact detail below). Student participant shall attend the audition organized by their respective university to select only one (1) representative to participate in the MLC 2018, while other participants from the industries shall attend the audition organized by IMM Malaysia to select only one (1) representative to compete in the Semi-Final.

The Champion of MLC 2018 (national level) will represent Malaysia to attend and compete in the Young Persons' World Lecture Competition 2018 (YPWLC 2018) which will be organized by IOM3 in October 2018 in South Africa.

Important Dates

- | | |
|---|-----------------------------|
| ➤ Internal Competition (University Level):... | Jan- March 2018 |
| ➤ Submission of the university participant detail (name, contact info, passport size photo, abstract) to MLC 2018 committee:. | 16 th March 2018 |
| ➤ MLC 2018 Semi-final (UTM-KL): | 5 th April 2018 |
| ➤ MLC 2018 Final (UTM-KL):..... | 3 rd May 2018 |

Contact:

Professor Dr. Esah Hamzah: esah@fkm.utm.my
 Assoc. Prof. Dr. Astuty Amrin: astuty@utm.my
 Dr. Nor Akmal Fadi: norakmal@fkm.utm.my
 Dr. Nor Hasrul Akhmal Ngadiman: norhasrul@utm.my
 Dr Alafiza Yunus: alafiza@cheme.utm.my
 Dr Nurhaniza Yusof: norhaniza@petroleum.utm.my

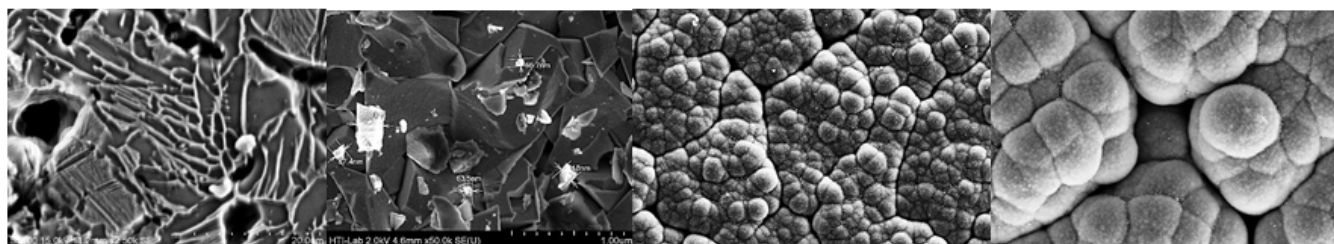
Brought to you by:



Judging Criteria

Presentation will be judged against the following criteria:

- Structure of the presentation and clarity of explanation and argument
- Standard of presentation
- Personal enthusiasm for the subject
- Ability to deliver presentation spontaneously
- Technical content of the presentation
- Clarity and relevance of any visual aids used
- Ability to deliver a concise and meaningful summary at the end of presentation
- Ability to present within the specified time allocated
- Ability to handle judges' questions



SITA

Concentration Measurement. Cleanliness Inspection. Contamination Monitoring.



Devices for process monitoring and controlling to ensure high product quality and efficiency in cleaning processes.

www.sita-process.com

SITA Messtechnik GmbH | Gostitzer Straße 63 | 01217 Dresden | Germany | Tel.: +49 (0)351 871 8041 | info@sit-process.com

TQC

Vision on quality
www.tqc.eu

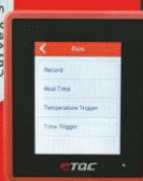
Automatic Film Applicators

A reliable basis to apply coating films to test charts, panels or foils in a uniform and reproducible way



CurveX Dataloggers

Suited for industrial oven and laboratory oven temperature profiling



Introducing the New Standard in TABER TESTING

Through normal usage, product finishes will wear out. Do you know how resistant your product is to abrasion, scratch, mar, scrape or other types of damage?

The Taber Linear Abraser is so versatile, it enables you to test finished product with virtually no limit on sample size or shape! Plus, you can adjust test parameters to more accurately simulate 'real world' conditions.

- Decorated plastics
- Painted parts
- Printed graphics
- Optical products
- Textiles / Leather
- Plus many more!



TABER
INDUSTRIES
ISO 9001 : 2000 CERTIFIED

For more information:
Call 716.694.4000
Email us at sales@taberindustries.com
Visit us at www.taberindustries.com

PosiTector® Inspection

Unrivalled probe interchangeability

- Coating Thickness
 - Ferrous ■ Non-Ferrous ■ Ultrasonic
- Surface Profile
 - Depth Micrometer ■ Replica Tape Reader
- Environmental Conditions
 - Built-in ■ Separate Magnetic Probe
- Shore Hardness
 - Shore A ■ Shore D
- Salt Contamination
 - Bresle Method
- Ultrasonic Wall Thickness
 - Corrosion ■ Multiple Echo Thru-Paint



Available on the App Store

Available on Google Play

WIFI



Customized Inspection Kits...
Build your own kit from a selection of gauge bodies and probes to suit your needs.



Award Winning Compatibility! The PosiTector gauge body accepts ALL coating thickness (G00/G200), environmental (DPM), surface profile (SPG11/111), salt contamination (SS1), Shore hardness (SPD) and ultrasonic wall thickness (UTG) probes.

DeFelsko
The Measure of Quality

www.defelsko.com

Made in U.S.A.

Distributed in Malaysia by:



H.J. Unkel (M) Sdn. Bhd.
28, Jalan Biola 33/1, Section 33,
40400 Shah Alam,
Selangor Darul Ehsan, Malaysia.

Contact:

Mr. Loo CK and Mr. Ben Ng
Tel: +603-5525 9292
sales@hjunkel.com.my
www.hjunkel.com.my

INSTITUTE OF MATERIALS, MALAYSIA

ANNUAL REPORT OF THE COUNCIL FOR THE FINANCIAL YEAR ENDING 31ST DECEMBER 2017



Dear IMM Members,

On behalf of the IMM Council, I am pleased to present the Report of the activities of IMM covering the period from 1st January 2017 to 31st December 2017 plus activities prior to this AGM in early 2018.

(I) IMM COUNCIL AND IMM MANAGEMENT COMMITTEE MEETINGS

For the year under review, the IMM Council held 4 meetings while the IMM Management Committee held 7 meetings.

Date	Event
	Council term: 2016 - 2018
16 th February 2017	Council Meeting no. 4
2 nd May 2017	Council Meeting no. 5
28 th July 2017	Council Meeting no. 6
7 th October 2017	Council Meeting no. 7

Date	Event
	Council term: 2016 - 2018
6 th January 2017	Management Committee Meeting no.4
16 th February 2017	Management Committee Meeting no.5
17 th April 2017	Management Committee Meeting no.6
19 th May 2017	Management Committee Meeting no.7
28 th July 2017	Management Committee Meeting no.8
28 th August 2017	Management Committee Meeting no.9
24 th October 2017	Management Committee Meeting no.10

During the penultimate IMM Council Meeting no. 7 (term: 2016 – 2018) on 24th October 2017 at Kelab Golf Negara Subang, the IMM Council conducted elections from within the Council, in accordance with Clause no. 3.3.2.2 of the IMM Constitution for the posts of Deputy President, Honorary Secretary and Honorary Treasurer for the 2018-2020 Council Term.

Mohd. Azmi Mohd Noor (F3820) from Kebangsaan Petroleum Oil Company Sdn Bhd will continue his second term as President for 2018 – 2020 Council Term. The term of office for the President shall be two consecutive terms in accordance with Clause no. 3.3.2.1 of the IMM Constitution.

The following were elected:-

Deputy President: Dato' Dr. Ir. Hj. Mohd Abdul Karim Abdullah (F7442)
proposed by Prof. Dr. Mohamad Kamal Bin Harun (F0117) and seconded by Ir. Mohd Suradi Yasin (F0010)

Honorary Secretary: Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)
proposed by Dato' Udani Dato' Seri Mohamed Daud (F7208) and seconded by Zainudin Zulkifli (F7045)

Honorary Treasurer: Dr. Zulkarnain Kedah (F7911)
proposed by Sofiyan Yahaya (F6040) and seconded by Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)

The IMM Council congratulates the above elected officials and look forward to their contribution towards the development of materials technology through the IMM.

(II) THE ACTIVITIES CARRIED OUT BY THE VARIOUS IMM WORKING COMMITTEES AND REGIONAL CHAPTERS ARE LISTED BELOW:-

DATE	ACTIVITY	COMMITTEE
JAN	Materials Mind Issue 16	
5 Jan	Coating Committee Small Group Meeting on Recertification	Coating Committee & Materials Technology Education Sdn Bhd (MTE) team
6 Jan	4 th Management Committee Meeting at Pappa Rich, Subang Parade	Management Committee & Secretariat
10 Jan	Meeting with National Metrology Institute of Malaysia (NMIM)	Suradi, Dr. Zulkarnain & MTE team
12 Jan	Southern Chapter meeting at Universiti Teknologi Malaysia (UTM)	Southern Chapter & Education Committee
12 Jan	6 th Vibration Committee Meeting at Menara Dayabumi	Vibration Committee & Secretariat
13 Jan	Meeting with Dialogue and Pengerang Integrated Petroleum Complex (PIPC) in Pengerang	Education Committee
14 Jan	1 st IMM Away Day at Amverton Cove Golf Club	Management Committee & Council
14 Jan	5 th Miri Chapter Meeting (Session 2016-2018) at AMW Conference Room, Miri	Miri Chapter
19 Jan	2 nd Coating Fingerprinting (FP) Task Force Meeting 2017 at Kelab Golf Negara Subang (KGNS)	FP Task Force & Secretariat
10 Feb	2 nd Insulation Committee Meeting	Insulation Committee & Secretariat
13 Feb	2 nd IMM Away Day Meeting at PETRONAS Twin Towers	Management Committee & Council
13 Feb	Meeting with CETIM Asia Pacific	Azmi, Max Ong, Nigel, Dr. Andrew Spowage, Melissa
15 Feb	Coating Conference Organizing Committee Meeting at KLCC	Coating Committee & Secretariat
16 Feb	Materials Mind Meeting on advertisement at Tunku Abdul Rahman University College (TAR-UC)	Materials Mind Committee & Secretariat
16 Feb	5 th Management Committee Meeting at KGNS	Management Committee,
16 Feb	4 th Council Meeting at KGNS	Council & Secretariat
17 Feb	Vibration Conference Organizing Committee at ICON Building	Vibration Committee & Secretariat

17 Feb	7 th Vibration Committee Meeting at ICON Building	Vibration Committee & Secretariat
20 Feb	4 th Corrosion Committee Meeting	Corrosion Committee & Secretariat
22 Feb	Meeting with Southern Chapter on IMM-UTM Symposium on Materials Processing, Inspection and Testing at UTM, Johor	Southern Chapter & Secretariat
23 Feb	½-day IMM Coating Seminar at Tanjung Puteri Golf Resort, Pasir Gudang, Johor	Coating Committee, Council & Secretariat
25 Feb	IMM Futsal Tournament Game at IM4U, Puchong	Azmi, Max Ong & Secretariat
28 Feb	Website meeting at IMM Secretariat Office, Puchong	Website Committee & Secretariat
2 Mar	Materials Mind Meeting at IMM Secretariat Office, Puchong	Materials Mind Committee & Secretariat
3 Mar	2 nd Welding Committee Meeting at CIAST, Shah Alam	Welding Committee & Secretariat
11 Mar	6 th Miri Chapter Meeting at BV Conference Room, Miri	Miri Chapter
16 Mar	1-Day IMM Conference on Insulation at UTM Space	Insulation Committee & Secretariat
16 Mar	27 th IMM Annual General Meeting at UTM Space	Council & Secretariat
17 Mar	Signing of IMM-Society for Protective Coatings (SSPC) Cooperation Agreement at Malaysian Petroleum Club	Coating Committee, Council & Secretariat
20 Mar	7 th Vibration Committee Meeting at Menara Dayabumi	Vibration Committee & Secretariat
30 Mar	½-Day IMM Vibration Awareness Seminar & Plant Visit at Tentera Laut Diraja Malaysia (TLDM), Lumut, Perak	Vibration Committee & Secretariat
31 Mar	5 th Materials Mind meeting	Materials Mind Committee & Secretariat
31 Mar	2 nd Website Committee meeting	Website Committee, Melissa & Secretariat
April	Materials Mind Issue 17	
6 April	Plant Visit at RAPID Pengerang, Johor	Corrosion Committee & Secretariat

7 April	2 nd Materials Lecture Competition (MLC2017) Committee Meeting	MLC Committee
10 – 11	6 th Sabah Oil & Gas Conference & Exhibition	MTE team
17 April	8 th Vibration Committee Meeting	Vibration Committee & Secretariat
18 April	1-Day IMM Awareness Seminar: Monitoring and Management of Vibration at Tatiuc, Kemaman, Terengganu	Vibration Committee & Secretariat
18 April	MLC 2017 Semi Final at Asia Pacific University, Kuala Lumpur	MLC Committee & Secretariat
20 – 21 April	International Conference on Materials Technology and Energy 2017 (ICMTE), Curtin University, Miri, Sarawak	Miri Chapter, Azmi & Institution of Engineers, Malaysia (IEM), Miri
2 May	5 th Council Meeting at KGNS	Council & Secretariat
2 May	Career Talk at International College of Advanced Technologies (ICATS), Kuching, Sarawak	Vibration Committee & Student Chapter
4 May	Facility Integrity & Maintenance Conference, Golden Bay Hotel, Bintulu, Sarawak.	Bintulu Chapter & Secretariat
5 May	3 rd Welding Committee Meeting at CIAST, Shah Alam	Welding Committee
10 May	IMM Coating Friendly Golf Game, Kinrara Golf Club, Bandar Kinrara, Puchong, Selangor.	Coating Committee & Council
16 May	MLC2017 Final at Asia Pacific University, Kuala Lumpur	MLC Committee & Secretariat
18 May	1-Day IMM Coating Conference on Combating Coating Failure, Corus Hotel, Kuala Lumpur	Coating Committee & Secretariat
22 May	Visit to Chinese Mechanical Engineering Society (CMES) and China Center for NDT Certification.	Vibration Committee & Secretariat
24 May	Visit to South West Jiao Tung University (SWJT) and National Rail Traction Research Centre.	Vibration Committee & Secretariat
27 May	7 th IMM Miri Chapter Meeting at AMW Conference Room, Miri	Miri Chapter

Magazine of IMM Showcase of IMM activities & sharing of technology advancement...
Advertising opportunities...



1991 - 1994



1997 - 1998



1999 - 2011



2012 – now (in-print and online)



11 July	5 th Corrosion Committee Meeting at Malaysia Petroleum Club, PETRONAS Twin Tower	Corrosion Committee & event organizer
18 July	1½-Day IMM-Interscience-Quantachrome Seminar on Characterizing Porous Materials and Powder at ITS Office, Shah Alam, Malaysia	Polymer Committee & Azmi
29 Jul	8 th Miri Chapter Meeting at BV Conference Room, Miri	Miri Chapter
9 Aug	5 th Vibration Committee Meeting at Room 1001, Level 10, Menara Dayabumi, KL	Vibration Committee & event organizer
24 Aug	1-Day UTM-IMM Symposium on Materials Processing, Impact and Testing	Southern Chapter, Melissa, Suradi, Max Ong & event organizer
7 Sept	6 th Corrosion Committee Meeting at Menara Shell	Corrosion Committee & event organizer
15 Sept	4 th Welding Committee Meeting at JOTAC Sdn Bhd	Welding Committee
27 Sept	1-Day IMM Conference on Pipeline Corrosion Management at Corus Hotel	Corrosion Committee & event organizer
27-28 Sept	4 th Workshop on Sample Preparation and Microstructural Analysis 2017	Southern Chapter
30 Sept	IMM Vibration Golf at Kota Seriemas Golf & Country Club, Nilai	Vibration Committee & Golf Committee
7 Oct	9 th Miri Chapter Meeting at BV Conference Room, Miri	Miri Chapter
26 Oct	6 th Vibration Committee Meeting at Menara Dayabumi, KL	Vibration Committee & event organizer
31 Oct	1-Day IMM Conference on Prevention of Loss of Primary	IMM Bintulu Chapter & event organizer
2 Nov	1-Day IMM Coating Conference on Combating Coatings Failure on PFP at KL	Coating Committee & event organizer
3 Nov	Universiti Tunku Abdul Rahman (UTAR)-IMM Student Chapter Talk	Student Chapters & IMM-UTAR Student Chapter
16 Nov	1-Day IMM Vibration Conference, Theme: Vibration Technology in Industry at Corus Hotel, KL	Vibration Committee & event organizer
27 Nov	7 th Corrosion Committee Meeting at Menara Shell	Corrosion Committee
8 Dec	5 th Welding Committee Meeting at CIIAST, Shah Alam	Welding Committee

11-14 Dec	SSPC Blasting (C7) & Painting (C12) course and Train-the-trainer course in Shah Alam	Coating Committee and SSPC
21 Dec	Secretariat meeting at KLCC Suria	Azmi, Melissa & Secretariat
26 Dec	Website Committee meeting at IMM Secretariat Office	Dr. Yong, Melissa & Secretariat

In addition to the above committee & regional chapter activities, 53 IMM training courses and certification schemes such as the IMM Coating Inspector Course, IMM Blaster & Painter Scheme, JWES Welding Engineer Course, IMM Corrosion Technician Certification Course, the new IMM Materials Selection & Corrosion and many others were held in 2017. Many of these certifications are mandatory requirements in the Malaysian oil & gas industry. IMM, through its subsidiary company, Materials Technology Education Sdn Bhd (MTE) organized these activities and MTE will present a separate report (APPENDIX 1) to members.

IMM understands the importance of impartiality in carrying out its certification activities and ensuring the objectivity of all its certification. Over the years, MTE have conducted numerous IMM courses on Coating, Coating Fingerprinting, Corrosion, Welding, Insulation, Vibration etc. Over 600 Coatings Inspectors have been trained and certified as well as 2500 Blasters & Painters, Supervisors, Corrosion Technician and Vibration Practitioners. Its certification programs are recognized by PETRONAS and all oil & gas operators. Since January 2011, 72 Associate Welding Engineers, 80 Welding Engineers, 20 Senior Welding Engineers and 24 Coating Fingerprint Quality Controllers were trained and certified.

(III) HIGHLIGHTS OF ACTIVITIES IN 2017

FULL REPORT ON SECTION (III) CAN BE ACCESSED ELECTRONICALLY ON IMM WEBSITE (www.iomm.org.my).

(IV) SUMMARY AND MOVING FORWARD

2017 was an eventful year for IMM. IMM aims to bring greater awareness of Materials Science & Engineering to all sectors of industry and academia and encourages everyone to join and share their knowledge, experience and expertise for the benefit of the nation.

The IMM Council thank all members of the Working Committees, Regional Chapters, and staff of the IMM Secretariat and staff at the office of Materials Technology Education Sdn Bhd (MTE) for their continuing efforts to promote and fulfill the objectives of the IMM.

On behalf of the Council

Assoc. Prof. Dr. Melissa Chan Chin Han

Honorary Secretary

Date: 15th Jan 2018



Photo by Sofiyan Yahya

Mission

1. To be the technical authority on material science and technology
2. To develop and enhance competency and skills for all categories and practitioners
3. To become an internationally recognized certifying body
4. To be the forum for industry and academia collaboration
5. To positively contribute to society and quality of life

Vision To be an internationally recognised leading institution in materials science and technology



QuickParking

Parking hassle solutions & Retailer promotions

at the palm of your hand...

Sponsored by:



SERBA DINAMIK GROUP BERHAD
An innovative app by Serba Dinamik IT Solutions Sdn Bhd

WHY QuickParking?

A mobile application that makes parking and payment a breeze.

Be it public or private parking, we provide secure and hassle free payment. Just look out for Quick Parking sign at any of our sites.

- ✓ **NO MINIMUM BALANCE REQUIRED**
Hassle free - park first & top-up later
- ✓ **CREDIT TOP-UP**
Reload anywhere with **no additional fee** "we've got you covered"
- ✓ **NO MORE LOSING TICKET**
With our app, you never have to "babysit" your ticket anymore!
- ✓ **BEAT THE 'Q'**
Let's put an end to queuing and hunting for pay machines.
- ✓ **ENVIRONMENTALLY FRIENDLY**
Millions of parking tickets are issued everyday in Malaysia. "Time to show some love to our trees"
- ✓ **CUSTOMER SUPPORT**
You are our priority, we will be there when you need help
- ✓ **PARKING STATUS UPDATE**
Check your parking status in your phone such as Time-in or Total-fee



Visit our website for more info

www.quickparking.com.my

GET THE APP NOW!



Get your QR code



Scan QR code when entering & leaving



It's as easy as that!



INSTITUTE OF MATERIALS, MALAYSIA



Updated on 20th September 2017

Institute of Materials, Malaysia (IMM) is a non-profit professional society that promotes honourable practice, professional ethics and encourages education in materials science, technology and engineering. Engineers, academicians, technicians, skilled workers and professionals are amongst its members exceeding 6800.

Registered with the Registrar of Societies on 6th November 1987, the Malaysian Materials Science & Technology Society (MMS) changed its name to the Institute of Materials, Malaysia (IMM) on 16th June 1997. 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.

IMM is administered by a council of 30 members, with volunteers leading 18 materials committees, and 5 regional chapters, and supported by a secretariat with full time staffs.

IMM Vision

To be internationally recognised leading institution in Materials Science and Technology.

IMM Mission

- (1) To be the technical authority on material science and technology
- (2) To develop an enhance competency and skills for all categories and practitioners
- (3) To become an internationally recognized certifying body
- (4) To be the forum for industry and academia collaboration
- (5) To positively contribute to society and quality of life

The IMM membership is categorised into 6 different grades and open to anyone above the age of 17 years - individuals and companies keen in developing and contributing towards the growth of materials science, technology and engineering in Malaysia.

Over the years, IMM have conducted courses on coatings, coatings fingerprinting, corrosion, welding, vibration etc in support of the oil and gas industry in Malaysia. Over 600 Coatings Inspectors have been trained and certified as well as 2500 Blasters & Painters, Supervisors, Corrosion Technician and Vibration Practitioners. Its certification programmes are recognized by PETRONAS and all oil & gas operators. Since January 2011, 72 Associate Welding Engineers, 80 Welding Engineers, 20 Senior Welding Engineers and 24 Coating Fingerprint Quality Controllers were trained and certified.

IMM has also organised 10 International Materials Technology conferences (IMTCE) on a biennial basis, and numerous technical seminars, educational programmes, technical visits, and materials awareness programmes since 1988.

Public courses, such as Microbiologically Influenced Corrosion (MIC) and Welding Technology for Non-Welding Personnel, are been offered occasionally. Training on materials awareness has also been conducted in public listed companies.

The courses and programmes are being organised by Authorized Training Body/Bodies and Authorized Event Organizer/Organizers.

Collaborations with the Asian Welding Federation, The Society for Protective Coatings, US (SSPC), Sabah Skills Technology Centre (SSTC), and local universities continue to be part of IMM's vision and long term mission to educate, train and serve the materials fraternity.



GENERAL INFORMATION ON MEMBERSHIP

The IMM Membership is opened to all individuals and companies in developing the contribution of Materials science, technology and engineering towards industrial growth in Malaysia. The technology of materials is advancing day-to-day throughout the world. Membership to the IMM will enable networking and exchange of knowledge from a very wide variety of specialised areas of expertise. Please feel free to download or print a copy of the application form together with the IMM regulations. If you have any doubt, please do not hesitate to contact our secretariat through the phone; +603-4256-2286 or email to secretariat@iommm.org.my

Annual subscriptions shall be payable in advance on 1st January of each year. Those admitted into the IMM between 1st July and 31st December in any year shall pay only half the annual subscription. Seniors (above 55 years old) get 50% discount off their annual subscriptions.

We have an online application for membership for selected grades. Membership application forms in document format can be accessed from www.iomm.org.my.

Kindly fill the form and email to secretariat@iommm.org.my or fax it to: +603-4257-6292 or send it to :

IMM SECRETARIAT

No. D-0-9, Setiawangsa Business Suite,
Jalan Setiawangsa 11, Taman Setiawangsa,
54200 Kuala Lumpur, Malaysia

IMM MEMBERSHIP BENEFITS

- (1) IMM activities offer members to interact and network with representative from the industry, academia and government related to the Materials profession.
- (2) Members will gain knowledge on career opportunities for their children, friends etc as IMM offers certification courses in skilled trades e.g. Welding, Painting, Inspection, Corrosion etc.
- (3) IMM-JWES Welding Engineer Certification program leading to a Welding Engineer Certification which offers great employment opportunities in the oil & gas, heavy industry, marine and energy sectors.
- (4) IMM publications – quarterly magazine plus annual conferences offer presenters an opportunity for their technical research or industry-academia papers to be published in ISI- and Scopus-index journals.
- (5) IMM organizes many free technical events for members to acquire new knowledge and networking opportunities. Participants to these events will also receive Certificate of Attendance for their Continuing Professional Development records.

IMM MEMBERSHIP FEES SCHEDULE AS PER BELOW:

Description	Amount			
	Entrance Fee	Processing Fee	Transfer Fee	Annual Subscription
Fellow (F.I.M.M)	-	RM 300.00	RM 10.00	RM 150.00
Professional (M.I.M.M)	-	RM 150.00	RM 10.00	RM 100.00
Associate (A.M.I.M.M)	-	RM 150.00	RM 10.00	RM 80.00
Company	RM 50.00	-	-	RM 200.00
Ordinary	RM 20.00	-	-	RM 40.00
Student	RM 10.00	-	-	RM 10.00
Ordinary/ Company for affiliates	RM 40.00/ RM 50.00	-	-	NIL

Email : secretariat@iommm.org.my Website : www.iomm.org.my





INSTITUTE OF MATERIALS, MALAYSIA



Updated on 20th September 2017

REGULATIONS GOVERNING ADMISSION AND TRANSFER OF MEMBER GRADES

The Council shall establish a Memberships Committee which will be responsible for review of applications for transfer of membership grades. The Memberships Committee shall recommend transfers for Council approval at Council Meetings. All grades of memberships are awarded at the discretion of the Council and may be withheld or withdrawn in the event of conduct likely to prejudice the standing of the Institute. Every member shall receive a membership certificate.

The Memberships Committee shall be responsible for drafting the "Regulations Governing Admission and Transfer of Member Grades" for Council approval. These regulations may be changed from time to time subject to Council approval.

Every application for membership shall be proposed and seconded according to these regulations and shall be forwarded to the Honorary Secretary who shall, at the first convenient opportunity, submit it to the Council for approval. The Council may at its discretion reject any application without assigning any reason thereof.

Each company on admission shall be entitled to nominate one representative to exercise all rights of membership. Only representatives of Company membership, Fellows (F.I.M.M.), Professional Members (M.I.M.M.) and Ordinary members shall have the right to vote and to hold office in IMM.

Only Malaysian Citizens, and Blue Identity Card Holders can become Ordinary Members, Associate Members (A.M.I.M.M.), Professional Members (M.I.M.M.) and Fellow Members (F.I.M.M.) with voting rights. Foreigners can join similar grades but shall have no voting rights.

MEMBERSHIP GRADE & REQUIREMENT

Honorary Fellow (Hon. F.I.M.M.)

The Council shall have the power to elect Honorary Fellows who shall be persons of eminence in science or industry. The election shall be based on a majority vote within the Council. Honorary fellows shall enjoy such privileges as may from time to time be determined by the Council.

Fellow (F.I.M.M.)

A person at least 35 years of age with approved academic qualifications, training and 8 years relevant responsible experience who has made significant contributions to the science and practice of profession of Materials Science and Engineering or has given distinguished service to industry or education.

Professional Member (M.I.M.M.)

A person at least 25 years of age, with approved academic qualifications and training, having at least 3 years responsible experience in Materials Science and Engineering, or a person at least 40 years of age, with at least 15 years of experience with practical responsibility, as demonstrated by thesis/dissertation or report and interview.

Associate Member (A.M.I.M.M.)

A person at least 25 years of age, who possesses an interest in Materials Science and Engineering but have not acquired the necessary experience or obtained the qualification, governing entry to Member grade. An Associate Member, on obtaining the necessary qualifications, may apply for transfer to Member grade.

Company Member

Any company that is involved or has interest in Materials Science and Engineering will be qualified to join as a company member.

Ordinary Member

Any Malaysian Citizen and above the age of 18 years engaged in activities related to research, development and applications in Materials Science and Engineering shall qualify for Ordinary Membership. Only Ordinary Members who meet the necessary minimum requirements may apply for transfer to membership grades of Fellow, Member and Associate Member and may use the abbreviated titles upon transfer.

Student Member

A student member shall be a person not under 17 years of age who at the time of application satisfies the Council that he has received a good general education and is studying subjects related to Materials Science or Engineering. A student member shall transfer to the grade of Ordinary Member after graduation provided he or she is suitably qualified and as soon as he or she is earning a full-time salary. A Student shall not become member of the IMM without the prior approval of the Vice-Chancellor or Head of Department of the university or relevant authority concerned.



LOPC 2017

IMM Vibration Conference 2017



ICMTE 2017



MLC 2017

FREE Ordinary Membership for Affiliates:

The Institute of Materials, Malaysia will recognize various professional institutions and societies for **free membership** at "Ordinary Grade". Members of the recognized professional institutions and societies can become Ordinary Members of the IMM without any annual subscriptions. The Council of the IMM approved the proposal in accordance to IMM Rules clause no. 3.2.3 and the members at its 21st Annual General Meeting unanimously approved the proposal on 19th March 2011.

Members of following institutions and societies are welcome to apply.

- (1) American Welding Society
- (2) Asian Welding Federation
- (3) Board of Architects Malaysia
- (4) Board of Engineers, Malaysia
- (5) Engineering Institutes under the Engineering Council of UK
- (6) Geological Society of Malaysia
- (7) Institut Kimia Malaysia
- (8) Institute of Corrosion UK
- (9) Institute of Materials Singapore
- (10) Institute of Physics Malaysia
- (11) Institution of Engineers, Malaysia
- (12) Jabatan Minerals & Geoscience
- (13) Malaysian Medical Association
- (14) Malaysian Nurses Association
- (15) Malaysian Society for Non-Destructive Testing
- (16) Malaysian Welding & Joining Society
- (17) National Association of Corrosion Engineers USA
- (18) Persatuan Arkitek Malaysia
- (19) Plastics & Rubber Institute of Malaysia
- (20) Singapore Welding Society
- (21) Society of Petroleum Engineers
- (22) Steel Structures Painting Council USA
- (23) The Welding Institute UK

FREE Company Membership for Affiliates:

The Institute of Materials, Malaysia will recognize various professional institutions and societies for free membership at "Company Grade". Company Members of the recognized professional institutions, societies & associations can become Company Members of the IMM without any annual subscriptions. The Council of the IMM approved the proposal in accordance to IMM Rules clause no. 3.2.3 at its Penultimate Council Meeting on 10th January 2014 which was endorsed at the 24th Annual General Meeting held on 21st March 2014.

List of Free Company Memberships for Trade Associations:-

- (1) Federation of Malaysian Manufacturers (FMM)
- (2) Malaysian Offshore Contractors Association (MOCA)
- (3) Malaysian Oil & Gas Engineering Council (MOGEC)
- (4) Malaysian Oil & Gas Services Council (MOGSC)





Invitation to Advertise in IMM Materials Mind for IN PRINT AND ONLINE



<http://iommm.org.my/category/materials-mind/>

For **Materials Mind**, the quarterly magazine of Institute of Materials, Malaysia, our articles are read by over **8,000** readers in *print* and *online*. Online articles can be accessed on www.iommm.org.my.

Yes, we confirm to advertise on IMM Materials Mind for the following.
Please tick your preferred option for advertisement.



Preferred date for advertisement:

☐ 1st quarter-**January** ☐ 2nd quarter-**April** ☐ 3rd quarter-**July** ☐ 4th quarter-**October** of the year: _____

Code	IN PRINT (book format)	ONLINE (webpage)	Price / Duration	Tick selected (v)
A	Standard Full Page Size: A4 210 (w) x 297 (h) mm	Bottom right side bar* Size: 305 x 54 pixel	RM 600 / 3 months*	
B	Standard Full Page Size: A4 210 (w) x 297 (h) mm	Bottom right side bar* Size: 305 x 54 pixel	RM 2,000 / 1 year*	
C	Back Outside Cover Size: A4 210 (w) x 297 (h) mm	Central banner* Size: 1000 x 400 pixel	RM 1,000 / 3 months*	
D	Back Outside Cover Size: A4 210 (w) x 297 (h) mm	Central banner* Size: 1000 x 400 pixel	RM 3,000 / 1 year*	

Notes:

*Introductory price, advertisers enjoy 50% discount on IMM Materials Mind webpage.

IMM reserves the right to refuse advertisements on the website if it deems inappropriate.

Technical requirement

JPG / Ai / PDF / PSD format

Ai / Illustrator – Text must be outlined and saved together with high resolution picture embedded

Image quality should be at least 150 pixel per inch

Artwork prepared by the customer

Payment

Full payment to be made 2 weeks before date of the advertisement.

Cancellation:

10-day notice before the advertisement date, otherwise deposit will be forfeited.

We enclose our cheque payable to "Institute of Materials, Malaysia for Code: _____"

Advertisement amount: RM _____ Cheque number: _____

Company name: _____

Company address: _____

Telephone: _____ Mobile number: _____

Email: _____

PAYMENT NOTE

1) Payment can be made by cheque, telegraphic transfer & bank draft as follows:

Account Name: Institute of Materials, Malaysia

Account No: 032 000 273 16

Swift Code: HLBBMYKL

Bank Name: Hong Leong Bank (M) Berhad

Bank Branch: Shah Alam Branch

Country: Malaysia

Cheque can be sent to **No. D-0-9, Setiawangsa Business Suite, Jalan Setiawangsa 11, Taman Setiawangsa, 54200 Kuala Lumpur, Selangor** via post/mail or direct bank-in to the account mentioned above.

2) Payment can also be made by IBG, GIRO or Cash Deposit Machine (CDM) as follows:

Account Name: Institute of Materials, Malaysia

Account No: 032 000 273 16

Bank Name: Hong Leong Bank (M) Berhad

Please email your bank-in slip as your payment proof to secretariat@iommm.org.my

Please contact the IMM Secretariat office (secretariat@iommm.org.my) if you do not receive receipt of payment within 2 weeks after payment.



NOTICE FOR RENEWAL OF ANNUAL MEMBERSHIP SUBSCRIPTION 2018

Dear members,

Notice is hereby given for the renewal of your annual subscription for 2018. Please ignore this notice if you have already paid your subscription in advance, or if you are eligible for exemption. Kindly refer to the table below for IMM Annual Subscription Fee.

If you have moved residence or employment or changed your contact numbers / email address, we would appreciate if you can take some time to update your records.

As for student members, please notify us if you have graduated in order for us to update your membership status to the contact mentioned above.

Thank you and on behalf of IMM,

Ir. Mohd Suradi Yasin (secretariat@iommm.org.my)

Honorary Treasurer

(This is an electronically generated document. No signature is required)

1 October 2017

IMM MEMBERSHIP FEES

Description	Amount (RM)						
	Fellow (F.I.M.M.)	Professional (M.I.M.M.)	Associate (A.M.I.M.M.)	Company	Ordinary	Student	Ordinary/ Company for affiliates
Entrance Fee	-	-	-	50.00	20.00	10.00	40.00 / 50.00
Processing Fee	300.00	150.00	150.00	-	-	-	-
Transfer Fee	10.00	10.00	10.00	-	-	-	-
Annual Subscription	150.00	100.00	80.00	200.00	40.00	10.00	Nil

UPDATE OF MEMBER'S PARTICULARS

Title : Prof / Dato' / Dr / Mr. / other,			
Name	:		
Membership No.	:		
Correspondence Address	:		
Office No.	:	Mobile phone No.	:
Email Address	:		

UPDATE OF STUDENTS MEMBER

Kindly tick the appropriate box below (& put the year):

☐	Graduated & year: _____
☐	Still Studying & anticipated graduation year: _____

PAYMENT MODE

1) Payment can be made by cheque, telegraphic transfer & bank draft as follows:

Account Name : Institute of Materials, Malaysia
Account No : 032 000 273 16
Swift Code : HLBBMYKL
Bank Name : Hong Leong Bank (M) Berhad
Bank Branch : Shah Alam Branch
Country: Malaysia

Cheque can be sent to **No. D-0-9, Setiawangsa Business Suite, Jalan Setiawangsa 11, Taman Setiawangsa, 54200 Kuala Lumpur, Malaysia** via post/mail or direct bank in to the account mentioned above.

2) Payment can also be made by IBG, GIRO or Cash Deposit Machine (CDM) as follows:

Account Name : Institute of Materials, Malaysia
Account No : 032 000 273 16
Bank Name : Hong Leong Bank (M) Berhad

Please email your bank in slip as your payment proof to secretariat@iommm.org.my

MATERIALS INTEGRITY & CORROSION SERVICES



CORROSION UNDER INSULATION



SACRIFICIAL ANODES



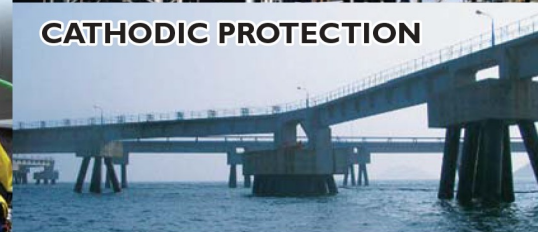
FAILURE ANALYSIS



FCC BOLTS & NUTS



THERMAL SPRAY COATINGS



CATHODIC PROTECTION

> STRUCTURAL INTEGRITY
> PIPELINE INTEGRITY
> WELL INTEGRITY



PASSIVE FIRE PROTECTION



MATERIALS TESTING



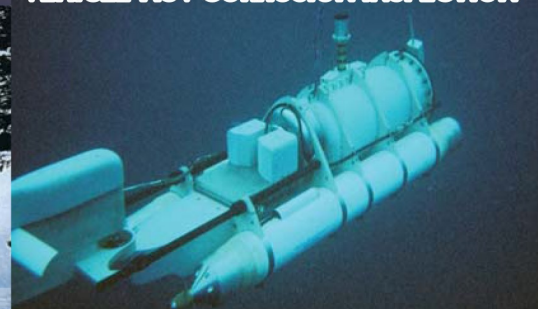
AUTONOMOUS UNDERWATER VEHICLE AUV CORROSION INSPECTION



PROTECTIVE COATINGS & CP



CORROSION SERVICES



Norimax **NORIMAX SDN BHD** (489913-K)

Tel : +603-8060 2334 | Fax : +603-8062 2334 | Website : www.norimax.com.my | Email : sales@norimax.com.my

No. 2, Jalan TPP 5/17, Taman Perindustrian Puchong, Seksyen 5, 47160 Puchong, Selangor Darul Ehsan, Malaysia.



KLR 0500421