

INSTITUTE OF MATERIALS, MALAYSIA

ANNUAL REPORT OF THE COUNCIL FOR THE FINANCIAL YEAR ENDING 31ST DECEMBER 2018

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 2018 to 31st December 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 6 meetings.

Date	Event
	Council term: 2016 – 2018
9 th February 2018	Council Meeting No. 8
	Council term: 2018 – 2020
13 th April 2018	Council Meeting No. 1
27 th July 2018	Council Meeting No. 2
23 rd November 2018	Council Meeting No. 3

Date	Event
	Council term: 2016 – 2018
5 th January 2018	Management Committee Meeting No. 11
2 nd February 2018	Management Committee Meeting No. 12
	Council term: 2018 – 2020
6 th April 2018	Management Committee Meeting No. 1
11 th June 2018	Management Committee Meeting No. 2
20 th July 2018	Management Committee Meeting No. 3
23 rd November 2018	Management Committee Meeting No. 4

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 Keabangan Petroleum Operating Company Sdn Bhd continued 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)

Honorary Secretary: Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)

Honorary Treasurer: Dr. Zulkarnain Kedah (F7911)

The IMM Council congratulated 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
	Council term: 2016 - 2018	
JAN	Materials Mind Issue 19	Editorial Board of Materials Mind
11 Jan	Website Committee meeting at IMM Secretariat office	Hon. Secretary, Dr Yong & IMM Secretariat staff
15 Jan	7 th IMM Vibration Committee Meeting at Menara Dayabumi, Kuala Lumpur	Vibration Committee
16 Jan	Treasurer meeting at IMM Secretariat office	Dr. Zul, Suradi & Sarahah
23 Jan	Meeting with PlaTCOM Ventures Sdn Bhd at IMM Secretariat office	Hon. Secretary & IMM Secretariat staff
24 Jan	Inaugural symposium of Railway Infrastructure and Engineering – Theme: Benefits & Sustainability of Railway at Universiti Tunku Abdul Rahman, Bandar Sungai Long	Vibration Committee
27 Jan	2018 New Year Gathering Dinner at Imperial Palace Hotel, Miri, Sarawak	Miri Chapter
6 Feb	Signing Ceremony between IMM & Pusat Pembangunan Kemahiran Sarawak at Parkcity Everly Hotel Bintulu	Bintulu Chapter
27 Feb	8 th Vibration Committee meeting at Menara Dayabumi, Kuala Lumpur	Vibration Committee
1 Mar	Corrosion Committee meeting at Menara Shell	Corrosion Committee
9 Mar	8 th IMM Coating Committee meeting at Menara Dayabumi Kuala Lumpur	Coating Committee
16 Mar	IMM Vibration Seminar on Vibration Technology in the Era of Industry 4.0 at Impiana Hotel KLCC	Vibration Committee
16 Mar	The 28 th Annual General Meeting at Impiana Hotel KLCC	All members
	Council term: 2018 – 2020	
20-23 Mar	Exhibition at Offshore Technology Conference Asia at Kuala Lumpur Convention Centre (KLCC)	IMM Secretariat staff
23 Mar	Meeting with PlaTCOM Ventures Sdn Bhd at Kuala Lumpur Convention Centre (KLCC)	Hon. Secretary
APR	Materials Mind Issue 20	Editorial Board of Materials Mind
3 Apr	1 st IMM Vibration Committee meeting at Menara Dayabumi, Kuala Lumpur	Vibration Committee
6 Apr	Easter get together Dinner at Imperial Palace Hotel, Miri, Sarawak	Miri Chapter

DATE	ACTIVITY	COMMITTEE
12 Apr	Technical Talk/Visit at Navy Base, Lumut	Vibration Committee
13 Apr	1 st IMM Coating Committee meeting at Jotun Paint, Section 23, Shah Alam	Coating Committee
21 Apr	IMM Workshop on Vision & Mission at Universiti Malaya's Engineering Cubes	Council
20 Apr	1 st ISO meeting at Asia Pacific University	ECAP
25-26 Apr	2-day Comprehensive Rheology Workshop jointly organized by TA Instruments Sdn. Bhd. and Institute of Chemical Engineering (IchemE), UK held at Waters Analytical Instruments Sdn Bhd, Ara Damansara	Polymer Committee
3 May	Materials Lecture Competition (MLC)-Finals at University Teknologi Malaysia, Kuala Lumpur	MLC Committee
4-May	Strategic Technology Field Optimization Lembaga Teknologis Malaysia (MBOT) WP Hotel Kuala Lumpur	Hon. Secretary & ECAP Chairman
9 May	2 nd Corrosion Committee meeting at Menara Shell	Corrosion Committee
14 May	Half day Seminar on "Corrosion Controls and Prevention" and a half day site visit to Cawangan Penguasa Kejuruteraan Armada Pangkalan TLDM, Lumut, Perak.	Corrosion Committee
22 May	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary, Hon. Treasurer & IMM Secretariat staff
25 May	Materials Mind – Website - Student Chapter- Polymer meeting at Paradigm Mall, Petaling Jaya	Materials Mind Editors, Website Committee, Student Chapter and Polymer Committee
26 May	2018 Buka Puasa Dinner at Imperial Palace Hotel, Miri, Sarawak	Miri Chapter
28 May	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary & IMM Secretariat staff
30 May	IMM Secretariat meeting at IMM Secretariat office	ECAP Chairman & IMM Secretariat staff
1 Jun	MoU Signing Between IMM and MBOT at Malaysia Board of Technologist, Putrajaya	ECAP Chairman
6 Jun	IMM Secretariat meeting at IMM Secretariat office	ECAP Chairman & IMM Secretariat staff
20 Jun	IMM ECAP meeting at IMM Secretariat office	ECAP
28 Jun	IMMR Staff meeting at IMM Secretariat office	IMM Secretariat & IMMR staff
28-29 Jun	Workshops to develop MJI-MR training modules at Corus Hotel	Asset Integrity Committee
JULY	Materials Mind Issue 21	Editorial Board of Materials Mind
2 July	2 nd Corrosion Committee meeting at Menara Shell Kuala Lumpur	Corrosion Committee
12 July	1 st Education Committee meeting at Kelab Golf Negara Subang	Education Committee

DATE	ACTIVITY	COMMITTEE
11-13 July	Fatigue Analysis and Numerical Fatigue Assessment of Welded Steel Structure at Faculty of Mechanical Engineering, UiTM Shah Alam	Welding Committee
18 July	ECAP meeting at IMM Secretariat office	ECAP
23 July	2 nd IMM Vibration Committee meeting at Menara Dayabumi, Kuala Lumpur	Vibration Committee
23 July	1 st Polymer Committee meeting at IMM Secretariat Office	Polymer Committee
26 July	Eco-System Kick-Off meeting at Prescott Hotel Kuala Lumpur	Task Force on Eco-System
28 July	IMM-Miri Chapter: Get together Dinner at Han Palace, Grant Palace Hotel, Miri, Sarawak	IMM-Miri Chapter
7 Aug	2 nd Young Professionals meeting at VibraTec Asia Pacific Sdn Bhd, Menara UOA Bangsar, Kuala Lumpur	Young Professionals Committee
8 Aug	3 rd Corrosion Committee meeting at Menara Shell, KL	Corrosion Committee
9 Aug	3 rd Young Professionals meeting at SUEZ Water Treatment (M), KL Sentral	Young Professionals Committee
10 Aug	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary, Hon. Treasurer & IMM Secretariat staff
16 Aug	Strategic Collaboration Signing Ceremony between Politeknik Sultan Azlan Shah (PSAS) at Politeknik Sultan Azlan Shah, Behrang, Shah Alam	Hon. Secretary
29 Aug	1 st Internal Audit Meeting at IMM Secretariat office	ECAP & IMM Secretariat staff
30 Aug	1 st Welding Committee meeting at Menara Dayabumi	Welding Committee
3 Sept	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary, Hon Treasurer & IMM Secretariat staff
13 Sept	Signing Ceremony of IMM-UiTM Student Chapter at Universiti Teknologi MARA, Shah Alam	Prof. Kamal, Hon. Secretary, Hon. Treasurer & IMM Secretariat staff
13-14 Sept	Comprehensive Rheology Workshop at Institute of Materials Research and Engineering, Singapore	Rheology Committee
21 Sept	1 st meeting of Task Force on Coating Fingerprinting at Kelab Golf Negara Subang	Task Force on Coating Fingerprinting
22 Sept	Photo-session cum Dinner	Miri Chapter
24 Sept	3 rd Corrosion Committee meeting at Menara Shell	Corrosion Committee
24 Sept	Memorandum Signing Ceremony with Malaysian Board of Technologies at Kementerian Pendidikan Malaysia	President & ECAP Chairman
OCT	Materials Mind Issue 22	Editorial Board of Materials Mind
5 Oct	Meeting with National Institute of Occupational Safety and Health (NIOSH) for Training Collaboration	Vibration Committee
5 Oct	1 st meeting of Student Chapter	Student Chapter
6 Oct	Convocation of Politeknik Sultan Azlan Shah (PSAS) at Politeknik Sultan Azlan Shah, Behrang, Perak	President

DATE	ACTIVITY	COMMITTEE
10 Oct	1 st Mock Execution Sub-Committee meeting at SIRIM Shah Alam	Task Force on Coating Fingerprinting
11 Oct	Dr. Andrew Ng won third place in the Young Person World Lecture Competition 2018 in South Africa	Materials Lecture Competition (MLC) Committee
12 Oct	Internal University Malaysian Lecture Competition at Curtin University Malaysia	IMM-Miri Chapter and Curtin University Malaysia
13 Oct	Signing Ceremony of Certificate of collaboration with Politeknik Kota Kinabalu Sabah 2018	President
18 Oct	Corrosion Conference “Ageing Facility Management” at Corus Hotel Kuala Lumpur	Corrosion Committee
18 Oct	1 st Coating Committee meeting at PETRONAS Twin Towers, Kuala Lumpur	Coating Committee
24 Oct	2 nd Mock Execution Sub-Committee meeting at SIRIM Shah Alam	Task Force on Coating Fingerprinting
24-28 Oct	Participation of Asian Welding Federation meeting in Yangon, Myanmar	Welding Committee (Chairman & Deputy Chairman)
25 Oct	ECAP Audit Findings meeting at IMM Secretariat office	ECAP, Hon. Secretary and IMM Secretariat staff
26 Oct	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary & IMM Secretariat staff
30 Oct	IMM Website hands-on training by SWD Webtech on at UiTM	Dr Tay Chia Chay and Dr Yong Soon Kong
31 Oct	Industrial Talk by Datuk Ir. Murad	Southern Chapter & IMM – UTM Student Chapter
1 Nov	IMM-Curtin Industrial/Technical Talk on “Advance NDT – Digital Radioigraphy” at Curtin University Malaysia Miri Campus	Miri Chapter
2 to 4 Nov	Kuala Lumpur Engineering Science Fair (KLESF 2018) at Mines International Exhibition & Convention Centre, Seri Kembangan	Student Chapter
5 Nov	Technical talk on “Radical Polymerization Reactions Observed by Electron Spin Resonance Spectroscopy (ESR)” at Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam	Polymer Committee
5 Nov	Participation of One-day Industry 4.0 Awareness Program” organized by Institute of Engineers, Malaysia (IEM)-Miri Branch at Curtin University Malaysia Miri Campus	Miri Chapter
6 Nov	Participation of One-day IEM Conference & Dialogue Forum on Plant Reliability” organized by IEM-Bintulu Region at Multipurpose Hall, Kelab Kidurong Bintulu, Sarawak.	Bintulu Chapter
9 Nov	2 nd meeting of Task Force on Coating Fingerprintinh at Kelab Golf Negara Subang	Task Force on Coating Fingerprinting
16 Nov	MLC2019 committee meeting at Universiti Teknikal Malaysia Melaka	MLC committee
19 Nov	1 st IMM Southern Chapter meeting	Southern Chapter

DATE	ACTIVITY	COMMITTEE
21-22 Nov	IMM International Applied Vibration Conference (IAViC) 2018-Advancement of Vibration Technology in the 21 st Century at Park Royal Kuala Lumpur	Vibration Committee
23 Nov	1 st Year Material Student Welcoming Event	Southern Chapter
26 Nov	4 th Corrosion Committee meeting at Menara Shell	Corrosion Committee
26 Nov	Social Environmental Value meeting at Subang Parade	Polymer Committee
30 Nov	IMM Secretariat meeting at IMM Secretariat office	Hon. Secretary & IMM Secretariat staff
1 Dec	IMM-Miri Chapter: Get-together Dinner for celebrating Christmas and Year-End of 2018 at Imperial Palace Hotel, Miri, Sarawak.	Miri Chapter

In addition to the above committee & regional chapter activities, numerous IMM training courses and certification schemes such as the IMM Coating Inspector Course, IMM Blaster & Painter Scheme, IMM Coating Fingerprint Certification Scheme, The Japan Welding Engineer Society (JWES) Welding Engineer Course, IMM Corrosion Technician Certification Course, the new IMM Materials Selection & Corrosion and many others were held in 2018. 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 Coating 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, more than 70 Associate Welding Engineers, 80 Welding Engineers, 20 Senior Welding Engineers and 20 Coating Fingerprint Quality Controllers were trained and certified.

(III) HIGHLIGHTS OF ACTIVITIES IN 2018

(3.1) Relocation of IMM Secretariat Office [Compiled by Honorary Secretary: Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)]

- IMM set up its own Secretariat office starting 1st July 2017.
- IMM Secretariat office was relocated to a new premise (Suite 515, Level 5, Block A, Kelana Centre Point (Lobby B), No.3, Jalan SS 7/19, Kelana Jaya, 47301 Petaling Jaya, Selangor, Malaysia.) since 1st May 2018.

(3.2) Task Force on Eco System [Compiled by Honorary Secretary: Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)]

- Task Force on Eco System chaired by Danny Tan Kim Chew (F7120) was set-up with the objective of roles & responsibilities, functions and governance structure between IMM (societal objectives) and IMM Resources Sdn Bhd (commercial objectives) since Mar 2018.
- Project Alpha led by Mohd. Azmi Mohd Noor (F3820) & Dato' Udani Dato' Seri Mohamed Daud (F7208) was initiated with deliveries as below (Dec 2018 to May 2019):-
 - To finalize the commercial terms related to Training & Certification and project activities

- To obtain ISO17024 certification
- To implement MBOT Materials Technology certification program

(3.3) Online membership and certification databases [Compiled by Honorary Secretary: Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)]

- The existing membership and certification databases are in the process to migrate to online databases. It is expected the online databases will be launched in first quarter of 2019.

(3.4) Asset Integrity [Compiled by the Chairman: Dato' Johari Basri]

- No report was submitted.

(3.5) Coating Committee [Compiled by the Chairman: Muhammad Hawari Hasan (O2516)]

- No report was submitted.

(3.6) Corrosion Committee [Compiled by the Chairman: Ir. Ong Hock Guan (F0792)]

- 22-23/3/2018: Presented a technical paper “Challenges in Avoiding Intermetallic Phase Embrittlement of Duplex Stainless Steel” in the Offshore Technology Conference (OTC) Asia 2018 at Kuala Lumpur Convention Centre (KLCC).
- 14/5/2018: Organized a half day seminar “Corrosion Controls and Prevention” and a half-day site visit to Tentera Laut Diraja Malaysia (TLDM), Lumut, Perak, attended by 7 members.
- 6/7/2018: Ir. Ong presented the Adjunct Lecture “Asset Integrity Management in Upstream Oil and Gas Industry” at Universiti Teknologi PETRONAS (UTP), Perak.
- 13/7/2018: Two invited lectures were presented by Corrosion Committee members in the half-day Corrosion Forum on “Corrosion and Coating Development in Industry” at Universiti Teknologi MARA (UiTM).
- 18/7/2018: One-Day IMM Conference on “Ageing Facilities Management” was successfully organized at Corus Hotel, Kuala Lumpur. The event was attended by 120 participants, 13 exhibitors, 10 esteem speakers and a keynote speaker to share their experiences, knowledge, new technologies and innovative ideas on the managing ageing assets in a holistic manner.

(3.7) Examination, Certification and Accreditation Panel [Compiled by the Chairman: Brian Lim Siong Chung (F4348)]

- 29/8/2018: 1st Internal Audit Meeting at IMM Secretariat Office.
- 24/9/2018: MoU Signing Ceremony with MBOT.
- 19-21/10/2018: Participation of Workshop of Professional Assessment Panel by MBOT.
- 25/10/2018: Presentation of 1st Internal Audit Findings.

(3.8) Certification Working Committee under ECAP [Compiled by the Chairman: Assoc. Prof. Dr. Andri Andriyana (AO4451)]

- 26/7/2018: attended Task Force on Eco System Inaugural Kick-Off meeting at Prescott Hotel, Kuala Lumpur. Objective: to understand the new IMM Eco System.
- 29/8/2018: conducted 1st Internal Audit at IMM Secretariat office as a starting point towards compliance with ISO17024.
- 25/10/2018: attended 1st Internal Audit Findings meeting at IMM Secretariat office.

(3.9) ISO Working Group under ECAP [Compiled by the Chairman: Assoc. Prof. Dr. Amalina Mohamed Afifi (AO3775)]

- The IMM certification schemes should be in compliance with ISO17024 is the task of this working group.

(3.10) Education Committee [Compiled by the Co-Chairmen: Prof. Ts. Dr. Mohamad Kamal Harun (F0117) & Ir. Max Ong Chong Hup (F0088)]

- 12/7/2018: 1st Education Committee meeting in KGNS, Selangor. Planned activities to promote Science, Technology, Engineering, Entrepreneurship, Arts & Mathematics “ STEEAM “ education in Materials Science & Engineering amongst Malaysian secondary schools. Planned technical visits and Edu-talks for 2019.
- October 2018: Provided the Editorial for the Materials Mind magazine no. 22 with the theme “ STEEAM Education “ and members contributed articles for the magazine.

(3.11) Insulation Committee [Compiled by the Chairman: Danny Tan Kim Chew (F7120)]

The Insulation Committee had an on-going knowledge sharing sessions with committee members.

- Nov 2018: The Insulation Committee had a meeting with IMM-Bintulu Chapter in Bintulu
- Nov 2018: Insulation Committee presentation to Yayasan Peneraju Pendidikan Bumiputera

(3.12) Materials Lecture Competitions (MLC) Committee [Compiled by the Chairman: Prof. Dr. Esah Hamzah (F0011)]

- 3/5/2018: five MLC2018 finalists from universities across the nation came together at Universiti Teknologi Malaysia (UTM) Kuala Lumpur campus.
- Mr. Andrew Ng Kay Lup from Universiti Malaya (UM) was announced as the first-prize winner, while Ms. Norkhalizatul Akmal Mohd Jamil from UTM and Ms. Raffaella Pian Cheau Mei from UTP came as the first runner-up and second runner-up, respectively.
- 11/10/2018: Mr. Andrew Ng Kay Lup represented Malaysia in the Young Persons' World Lecture Competition (YPWLC) 2018 in South Africa and he won the 3rd prize.

(3.13) Materials Mind Editorial Board [Compiled by the Chief Editor: Dr. Tay Chia Chay (F6742)]

- These quarterly IMM magazines (ISSN no: 2289-9030) were distributed to IMM members. The content of the magazine embraced of reports on IMM events & new IMM courses; technical reports, corporate advertorial *etc.*
- A total of 4 issues published: **Issue 19** (Jan 2018); **Issue 20** (Apr 2018); **Issue 21** (July 2018 - Polymer & Rheology) and **Issue 22** (Oct 2018 - Materials Education).
- Electronic distribution (*e.g.* eBlast and Whatsapp) of Materials Mind (book format) was attempted starting Issue 19.

(3.14) Membership Committee [Compiled by the Chairman: Dato' Ir. Dr. Hj. Mohd Abdul Karim Abdullah (HF7442)]

- Total number of active members as of 31st December 2018 = 2600 members.
- The IMM continues to encourage members of other professional societies and associations to join as Ordinary Members with no annual subscriptions. Materials Science & Technology is essential to everyone and IMM welcomes the sharing of knowledge & experience amongst professionals from all disciplines (medical, dental, nursing, architectural, engineering, science, arts, physics, biology, chemistry, banking, finance, accounting, legal, insurance, marine, oil & gas, petrochemical, geology *etc.*).
- The IMM also offers free “Company Membership” to Companies who are company members of other Trade Associations such as Malaysian Oil & Gas Services Council (MOGSC), Malaysian Offshore Contractors Association (MOCA), Malaysian Oil & Gas Engineering Council (MOGEC), Federation of Malaysian Manufacturers (FMM) and others with free-of-annual subscriptions.
- The IMM also strongly encourages universities to setup student chapters and the students to join in as student members and benefit from the numerous advantages of being an IMM student member.

(3.15) Polymer Committee [Compiled by the Chairman: Ts. Dr. Chew Khoon Hee (F4355)]

- 25-26/4/2018: Two-day Comprehensive Rheology Workshop was jointly organized by TA Instruments Sdn. Bhd. and Institute of Chemical Engineering (IchemE), UK. This workshop had attracted 16 participants from paint to ink industries; from rubber to adhesive industries as well as post-graduate students.
- 5/11/2018: One Polymer Technical talk was co-organized with Faculty of Applied Sciences (FSG), UiTM, Shah Alam. The speaker was Prof. Dr. Atsushi Kajiwara from Nara University of Education, Japan. This talk was well received by the participants where the speaker received a lot of questions from the floor and the interactive discussion was beneficial to the participants.

(3.16) Rheology Committee [Compiled by the Chairman: Dr. David Hassell (F2930)]

- 13th – 14th Sept 2018: Co-organized a Comprehensive Rheology Workshop at Institute of Materials Research and Engineering, Singapore

(3.17) Student Chapter [Compiled by the Chairman: Assoc. Prof. Dr. Lim Teck Hock (F8210)]

- 13/9/2018: UiTM-IMM Student Chapter officially established with MoU signed on 13th Sep 2018.
- 2-4/11/2018: Participated in 3-day exhibition at KLESF2018 for the promotion of IMM and Materials Science and Engineering to primary and secondary students.
- 29/11/2018: UTAR-IMM Student Chapter organized Seminars on Green Chemistry and Hybrid Materials by invited speakers Assoc Prof. Dr. Juan Joon Ching from UM and Prof. Dr. Lai Fook Chuan (General Manager of Hume Concrete) was held at UTAR, Sungai Long Campus.
- Records of IMM-UTAR Student Award (2015-2018) as follows:

IMM Award o UTAR students		
No.	Academic Year	Name of Students
1.	Year 2014/2015	Lee Yin Yung 10UEB00914
2.	Year 2015/2016	No recommendation
3.	Year 2016/2017	Ng Chin Wen 11UEB03346
4.	Year 2017/2018	Teoh Wei Ying 13UEB03412

(3.18) Task Force on Coating Fingerprinting [Compiled by the Co-Chairmen: Prof. Ts. Dr. Mohamad Kamal Harun (F0117) & Assoc. Prof. Dr. Melissa Chan Chin Han (F4118)]

- Phase 3 of coating fingerprinting initiative was kicked-off in September 2018. (Certified) Coating Fingerprint courses were held in November 2018 with record of participants from Singapore and Indonesia.
- Mock-execution of coating fingerprinting has been planned since November 2018 and will kick start in January 2019.

(3.19) Vibration Committee [Compiled by the Chairman: Dato' Dr. Ir. Hj. Mohd Abdul Karim Abdullah (HF7442)]

Vibration Committee actively organized the following events:-

- 24/1/2018: Inaugural Symposium of Railway Infrastructure and Engineering - Theme: Benefits and Sustainability of Railway at UTAR - Centre for Railway Infrastructure and Engineering (CRIE), Bandar Sungai Long
- 16/3/2018: Seminar on Vibration Technology in the Era of Industry 4.0 at Impiana KLCC Hotel, Kuala Lumpur.
- 5/10: Meeting with National Institute of Occupational Safety and Health (NIOSH) for Training Collaboration

- 21/22/11/2018: International Applied Vibration Conference (IAViC) 2018 – Advancement of Vibration Technology in the 21st Century, at Park Royal Kuala Lumpur.

(3.20) Website Committee [Compiled by the Chairman: Dr. Yong Soon Kong (AO7092)]

- 20/4/2018: Signing ceremony of MoU between IMM and PETROEDGE/NRGEDGE at Holiday Inn, Glenmarie.
- The old IMM Facebook account has been revived, and is being used to actively promote IMM activities. New IMM accounts for Twitter, Instagram, and YouTube have been created, and are linked in the current IMM website.
- New IMM Website was launched in November 2018.

(3.21) Welding Committee [Compiled by the Chairman: Tan Su Anne (F8409)]

Summary of activities:-

- 24-27/10/2018: Ms. Tan Su Anne and Dr. Mohamed Ackiel Mohamad participated in Asian Welding Federation meeting in Yangon, Myanmar. Issues and the way forward on the establishment of the Common Welder Certification Scheme (CWCS) were discussed.
- 27/10/2018: Attended the 1-day CWCS Auditor Workshop & Examination session on and sat for the Auditors examination. Ms. Tan Su Anne and Dr. Mohamed Ackiel Mohamad passed the test for Authorized Certification Body (ACB) and Authorized Training Body (ATB) Auditor.

(3.22) Young Professionals Committee [Compiled by the Chairman: Mohd. Fairuz Mohd Salleh (O7281)]

- The Young Professionals Committee was created to bridge the Student Chapters and the Working Committees of IMM. The Committee also has been tasked to drive more members from other industries

(3.23) Bintulu Chapter [Compiled by the Chairman: Raymond Phen (O5552)]

- 6/2/2018: Signing Ceremony between IMM & Pusat Pembangunan Kemahiran Sarawak at Parkcity Everly Hotel Bintulu
- 6/11/2018: Supported IEM Conference & Dialogue Forum on Plant Reliability” organized by IEM-Bintulu Region at Multipurpose Hall, Kelab Kidurong Bintulu, Sarawak.

(3.24) Miri Chapter [Compiled by the Chairman: Ir. Dr. Edwin Jong Nyon Tchan (F0490)]

The activities and projects of IMM-Miri Chapter for financial year of 2018 as follows:

- 27/1//2018: New Year Gathering Dinner with attendance of 11 at Imperial Palace Hotel, Miri, Sarawak.
- 6/4/2018: Easter Get-together Dinner with attendance of 12 members at Imperial Palace Hotel, Miri, Sarawak.
- 26/5/2018: Buka Puasa Dinner with attendance of 10 members participated at Imperial Palace Hotel, Miri, Sarawak.
- 28/7/2018: Get-together Dinner with attendance of 10 members participated at Han Palace, Grant Palace Hotel, Miri, Sarawak.
- 22/9/2018: MIRI Chapter Photo-Session cum Dinner with attendance of 13 members.
- 12/10/2018: Supporting IMM-Curtin Student Chapter to organize the first MLC (Materials Lecture Competition) at Curtin University Malaysia (CUM). This event had managed to attracted a total of 10 CUM (Curtin University Malaysia) engineering students participated.
- 1/11/2018: Co-organized with IMM-Curtin Student Chapter for IMM-Curtin Industrial/Technical Talk on “Advanced NDT – Digital Radiography” at CUM Miri Campus with 50 participants.

- 5/11/2018: Six members participated in the “A One-day Industry 4.0 Awareness Program” organized by IEM-Miri Branch at CUM Miri Campus.
- 6/11/2018: Participated in the “A One-day IEM Conference & Dialogue Forum on Plant Reliability” organized by IEM-Bintulu Region, venues at Multipurpose Hall, Kelab Kidurong Bintulu, Sarawak.
- 1/12/2018: Organized the 2018 GET TOGETHER DINNER for celebrating Christmas and Year-End of 2018 with 14 members participated at Imperial Palace Hotel, Miri, Sarawak.

(3.25) Southern Chapter [Compiled by the Chairman: Assoc. Prof. Dr. Tuty Asma Abu Bakar (M7275)]

IMM Southern Chapter organised several activities in the year 2018. Among notable ones were:-

- 24/10/2018: Research Collaboration UTM-MACH3-Southern Chapter lead by Dr Akmal has signed a collaborative research agreement with MACH3 Engineering Sdn. Bhd. This project aims to research and develop a *Corrosion Protection Training Site* in UTM.
- 30/11/2018: Industrial talk related with Engineers in Society, Professionalism & Code of Ethics that was delivered by Dato’ Ir. Hj Ahmad Murad was organised by UTM-IMM Student Chapter. This program is to provide widespread knowledge of the field of mechanical engineering to all 1st-year students.
- 23/11/2018: UTM-IMM Welcoming Day was organized to UTM new 1st year students. The Welcoming day is an opportunity for prospective students to interact with their seniors and lecturers and learn more about student’s life, specifically as mechanical-materials engineering students.

(IV) SUMMARY AND MOVING FORWARD

2018 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 would like to express sincere gratitude to all members of the Working Committees, Regional Chapters, and staff of the IMM Secretariat, staff of IMM Resource Sdn Bhd and staff 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 2019

APPENDIX 1

THE ACTIVITIES CARRIED OUT BY MATERIALS TECHNOLOGY EDUCATION SDN BHD (MTE) IN 2018

NO.	DATE	ACTIVITY
1,	6 Jan	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Meru, Klang
2.	8-11 Jan	Certified Cathodic Protection Technician Level 1 & Level 2 at QET Sdn Bhd, Berunai
3.	8-11 Jan	Certified Cathodic Protection Technician Level 1 & Level 2 at Materials Technology Education Sdn Bhd, Puchong Selangor
4.	10 Jan	Basic Course on Operation of Mobile Air Compressor at Bintulu Sarawak
5.	11 Jan	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at PS Peruvision Sdn Bhd, Shah Alam, Selangor
6.	14 Jan	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at t Mar Coatings Sdn Bhd, Pasir Gudang, Johor
7.	22 - 25 Jan	Certified Coating Inspector Level 1 at Tabung Haji Kelana Jaya
8.	27Jan	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak
9.	1 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Seacademy, Miri, Sarawak
10.	2 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak
11.	4 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Mar Coatings Sdn Bhd
12.	4 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Mar Coatings Sdn Bhd, Pasir Gudang, Johor
13.	10 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak
14.	18 Feb	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak
15.	19 - 22 Feb	Certified Coating Inspector Level 1 at Miri Sarawak
16.	19 - 22 Feb	Certified Coating Inspector Level 1 at Meritz Hotel, Miri Sarawak
17.	26 - 27 Feb	Certified Coating Inspector Level 2 at Tabung Haji Kelana Jaya
18.	12 Mac	Certified Vibration Practitioner Category 2 ^b at GTS Office Menara Daya Bumi, Kuala Lumpur
19.	15 Mac	IMM-JWES Welding Engineers Certification Courses (AWE/WE/SWE) ^c at Crystal Crown Hotel, Petaling Jaya, Selangor
20.	26 - 30 Mac	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Hyperware Sdn Bhd, Bintulu
21.	1 Apr	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at UBF Maintenance Sdn Bhd, Kemaman, Terengganu
22.	23 - 26 Apr	Certified Coating Inspector Level 1 at Materials Technology Education Sdn Bhd, Puchong Selangor
23.	24 Apr	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Sabah Skills & Technology Centre, Kota Kinabalu, Sabah

NO.	DATE	ACTIVITY
24.	24 - 26 Apr	Metallurgical Failure Investigation at Materials Technology Education Sdn Bhd, Puchong Selangor
25.	25 Apr	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Seacademy, Miri, Sarawak
26.	6 May	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Pasir Gudang
27.	6 May	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Mar Coatings Sdn Bhd, Pasir Gudang, Johor
28.	14 - 15 May	Certified Blasting and Painting Supervisor at Materials Technology Education Sdn Bhd, Puchong, Selangor
29.	19 May	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Pasir Gudang
30.	22 May	Certified Coating Inspector Level 1 & Level 2 at Tri Solutions Sdn Bhd, Miri
31.	25 May	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Bintulu, Sarawak
32.	25 May	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Hycojaya Sdn Bhd
33.	3 Jun	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Akademi Binaan Malaysia (ABM) Wilayah Utara, Sintok, Kedah
34.	6 Jun	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at High Base Strategic Sdn Bhd, Melaka
35.	13 Jun	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Seacademy, Miri, Sarawak
36.	25 - 28 Jun	Certified Coating Inspector Level 1 & Level 2 at Meritz Hotel, Miri Sarawak
37.	12 - 14 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at BB Tech Services Sdn Bhd, Paka, Terengganu
38.	13 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Seacademy, Miri, Sarawak
39.	16 - 20 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at PS Peruvision Sdn Bhd Shah Alam
40.	20 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at PS Peruvision Sdn Bhd, Shah Alam
41.	21 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak
42.	23 - 24 Jul	Corrosion Control by Cathodic Protection at Crystal Crown Hotel, Petaling Jaya, Selangor
43.	23 - 26 Jul	Certified Coating Inspector Level 1 & Level 2 at Crystal Crown Hotel, Petaling Jaya, Selangor
44.	30 Jul	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Sri Kimpal Sdn Bhd, Sungai Udang, Melaka
45.	7 & 8 Aug	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Pra-Services Sdn Bhd, Kemaman, Terengganu
46.	13 - 20 Aug	IMM-JWES Welding Engineers Certification Courses (AWE/WE/SWE) ^c at

NO.	DATE	ACTIVITY
		Crystal Crown Hotel, Petaling Jaya, Selangor
47.	14 - 17 Aug	Certified Cathodic Protection Technician Level 1 at Goldenbay Hotel, Bintulu, Sarawak
48.	16 Aug	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Mar Coatings Sdn Bhd, Pasir Gudang, Johor
49.	16 Aug	Welding & Joining Technology for Non-Welding Personnel at Crystal Crown Hotel, Petaling Jaya, Selangor
50.	20 Aug	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Pioneer Engineering Sdn Bhd, Kawasan Perindustrian Teluk Kalong, Kemaman
51.	27 - 28 Aug	Certified Coating Inspector Level at Materials Technology Education Sdn Bhd, Puchong Selangor
52.	27 - 30 Aug	Certified Vibration Practitioner Category 1 ^b at Shah Alam, Selangor
53.	29 Aug	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Tri Solutions Sdn Bhd, Miri
54.	3 - 6 Sept	Certified Coating Inspector Level 1 at IKM, Bintulu Sarawak
55.	7 Sept	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Tri Solutions Sdn Bhd, Miri
56.	14 Sept	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at DD & I Engineering's Yard, Kg Lepau, Pengerang, Johor
57.	24 - 27 Sept	Certified Coating Inspector Level 1 at Materials Technology Education Sdn Bhd, Puchong Selangor
58.	24 - 27 Sept	Corrosion Control by Cathodic Protection at Crystal Crown Hotel, Petaling Jaya, Selangor
59.	24 - 27 Sept	Certified Corrosion Technician Level 1 at Materials Technology Education Sdn Bhd, Puchong Selangor
60.	1 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at BB Tech Services Sdn Bhd, Paka, Terengganu
61.	1 - 4 Oct	Certified Coating Inspector Level 1 (Code: CIL1) at Meritz Hotel, Miri Sarawak
62.	12 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Kumus Sdn Bhd, Bintulu
63.	15 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Institut Latihan Perindustrian Miri, Sarawak
64.	22 - 26 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at IKM, Bintulu, Sarawak
65.	25 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Nescorp Prima, Kota Kinabalu, Sabah
66.	29 - 30 Oct	Certified Coating Inspector Level 2 at Materials Technology Education Sdn Bhd, Puchong Selangor
67.	29 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Tri Solutions Sdn Bhd
68.	30 Oct	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Borneo Safety Training Services (BSTS), Miri, Sarawak

NO.	DATE	ACTIVITY
69.	30 Oct - 3 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Nescorp Prima, Kota Kinabalu, Sabah
70.	1 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at PS Peruvision Sdn Bhd, Shah Alam, Selangor
71.	7 Nov	Coating Fingerprint Foundation Course at Kelab Golf Negara Subang (KGNS), Selangor
72.	9 Nov	Certified Coating Fingerprint Quality Controller at Kelab Golf Negara Subang (KGNS), Selangor
73.	12 - 15 Nov	Certified Coating Inspector Level 1 at Materials Technology Education Sdn Bhd, Puchong
74.	20 Nov	Certified Coating Inspector Level 2 (Code: CIL2) at Bintulu Sarawak
75.	22 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at DD&I Engineering, Pengerang, Johor
76.	23 Nov	Certified Coating Inspector Level 1 & Level 2
77.	23 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Mar Coatings Sdn Bhd, Pasir Gudang, Johor
78.	23 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Tri Solutions Sdn Bhd,
79.	24 Nov	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Sri Kimpal Sdn Bhd, Sungai Udang, Melaka
80.	7 Dec	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Miri
81.	10 Dec	Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2 at Miri
82.	12 – 14 Dec	Certified Vibration Practitioner Category 2 at Menara Dayabumi Kuala Lumpur