

F O R U M O N  
**"TOWARDS POLYMERIC  
COATING FINGERPRINTING" V  
BIG WAVE**

**4<sup>TH</sup> APRIL 2019, THURSDAY | 1.00PM - 5.30PM**  
**DEWAN PRESIDEN, KELAB GOLF NEGARA SUBANG,  
KELANA JAYA, SELANGOR**

**BACKGROUND TO IMM COATING FINGERPRINTING INITIATIVE**

Forum no.5 will present the progress report of Phase 3 (2018-2020) which include the study of FTIR analysis on more coating products such as Inorganic Zinc Coating, Epoxy-Zinc Coating, High Solids Epoxy Coating, Polyurethane Coating, Glass Flake Polyester Coating and Silicone-Aluminium Coating plus comparison of aged (1-2 years old) products.

Phase 1 (2013-2014) initiated the application of Fourier-Transform InfraRed (FTIR) Spectroscopy as a simple and reliable tool for the study of reproducibility (i.e. to fingerprint) of the epoxy coatings (Resin and Hardener). The fingerprinting regions of FTIR for epoxy resin and hardener were identified and the confidence level of acceptance for QA & QC control was proposed at  $\geq 90.0\%$ . These were presented in Forums 1 & 2.

Phase 2 (2015-2016) involved the appreciation of the root causes of coating failures throughout the world and the adoption of the Coating Fingerprinting initiative by the Malaysian Oil & Gas Operators as one useful QA/QC tool for ensuring coating quality. It also led to the establishment of the 1-day Foundation Course on Coating Fingerprinting and the 2-day Certification Course for Coating Fingerprint Quality Controller. These were presented in Forums 3 & 4.

**TENTATIVE PROGRAM**

- 12.00 pm **Setting up of exhibition benches**
- 1.00 pm **Registration, tour of exhibition and tea-break**
- 2.00 pm **Welcoming address**  
**Opening remarks by En. Kamal Azman Ibrahim, Petronas GTS**
- 2.20 pm **Short briefing on the background of Coating Fingerprinting**  
**by Assoc. Prof. Dr. Melissa Chan**
- 2.30 pm **Speaker 1 (15-min talk + 5-min Q&A) :**  
**- "Owner's perspective and commitment" by En. Muhammad Hasan Petronas GTS**
- 2.50 pm **Speaker 2 (15-min talk + 5-min Q&A) :**  
**- "How fingerprinting compliment quality assurance and quality control in industry coating"**  
**by Mohammad Ariff Bin Sukur, Shell**
- 3.10 pm **Tea break & tour of exhibition**
- 3.40 pm **Speaker 3 (15-min talk + 5-min Q&A) :**  
**- "Coating fingerprinting for different protective coating systems"**  
**by Bruker Malaysia**
- 4.00 pm **Speaker 4 (15-min talk + 5-min Q&A) :**  
**- "Possibilities of fingerprinting of paints from a coating manufacturer's perspective" by Hempel Malaysia**
- 4.20 pm **Panel Discussion**
- 4.40 pm **Summary & round-up**
- 4.45 pm **Tea-break & tour of exhibition**
- 5.30 pm **ADJOURN**

**Collaborating Partners**



**Event organizer**



## IMM TASK FORCE ON COATING FINGERPRINTING

Co-chairman: Prof. Ts. Dr. Mohamad Kamal Harun, Universiti Teknologi MARA  
Co-chairman: Assoc. Prof. Dr. Melissa Chan Chin Han, Universiti Teknologi MARA  
Treasurer: Nurul Fatahah Asyqin Zainal, Universiti Teknologi MARA  
Members:

- 1 // Assoc. Prof. Dr. Lim Teck Hock, Tunku Abdul Rahman University College
- 2 // Asst. Prof. Dr. Yu Lih Jiun, UCSI University
- 3 // Dr. Chew Khoon Hee, Tunku Abdul Rahman University College
- 4 // Dr. Chew Kong Chin, Becker Industry Coatings (M) Sdn Bhd
- 5 // Dr. Mahmood Anwar, Curtin University, Sawarak
- 6 // Ir. Max Ong Chong Hup, Norimax Sdn Bhd
- 7 // Ir. Zarina Rasmin, SIRIM QAS International Sdn Bhd
- 8 // Abdul Aziz Haron, SIRIM QAS International Sdn Bhd
- 9 // Ahmad Badli Shah Abdul Aziz, International Paints (M) Sdn Bhd
- 10 // Ariff Sukur, Shell Malaysia
- 11 // Chang Yau Chong, Kansai Asia Pacific Sdn Bhd
- 12 // Chow Mee Ling, Agilent Technologies Sales (M) Sdn Bhd
- 13 // Elson Wah Eng Keong (alternate), Perkin Elmer (M) Sdn Bhd
- 14 // Harunnisa Ramli, Universiti Teknologi MARA
- 15 // Dr. Ismaliza Ismail, Malaysia Rubber Board
- 16 // Kelly Hong Mun Key, Nexus Analytics Sdn Bhd
- 17 // Kenneth Way, Perkin Elmer (M) Sdn Bhd
- 18 // Lee Choon Siong, Jotun (M) Sdn Bhd
- 19 // Leow Chun Ho (alternate), Shell Malaysia
- 20 // Lim Chuan Gee, SIRIM Bhd
- 21 // Mark Hew Yoon Onn, Universal Corrosion Engineering (M) Sdn Bhd
- 22 // Mohd Wahidduzaman Zainal (alternate), PPG-Sigma Coatings (M) Sdn Bhd
- 23 // Mokhtar Othman (alternate), International Paints (M) Sdn Bhd
- 24 // Muhammad Hawari Hasan, PETRONAS Group Technical Solution
- 25 // Nik Muhammad Fitri, Norimax Sdn Bhd
- 26 // Nurul Asni Mohamed, PETRONAS Group Technical Solution
- 27 // Paramjit Singh Darjit Singh (alternate), Hempel (M) Sdn Bhd
- 28 // Phuah Shok Chan (alternate), Agilent Technologies Sales (M) Sdn Bhd
- 29 // Quah Kean Gin (alternate), Jotun (M) Sdn Bhd
- 30 // Renee Teo Yong Yin, Bruker (M) Sdn Bhd
- 31 // Selvandran Vello, Hempel (M) Sdn Bhd
- 32 // Teh Tiong Poh (alternate), Jotun (M) Sdn Bhd
- 33 // Terence Wee, PPG-Sigma Coatings (M) Sdn Bhd

### REGISTRATION FEE

**FREE FOR IMM MEMBERS  
AND INVITED GUEST**

#### NON-MEMBERS

**RM50**

#### WALK IN

**RM80**

### TABLE-TOP EXHIBITION STAND PACKAGE

**1 // PROMOTIONAL TABLE WITH 2 CHAIRS**

**2 // 2 PASSES FOR FORUM DELEGATE**

#### \*Notes:

- a) Extra delegate will be charged at RM50
- b) Exhibition stand does not come with the package.  
Exhibitors are advised to bring their bunting with stand to be placed around the table

**1500 / package  
15 total package available**

**\*Early Bird price\***  
Exhibitors registration  
made before 15th March 2019  
will be given 40% off

## PAYMENT NOTE

**PAYMENT CAN BE MADE BY CHEQUE, TELEGRAPHIC TRANSFER, BANK DRAFT, IBG, GIRO, OR CASH DEPOSIT MACHINE AS FOLLOWS:**

Account Name : Firm Motion Sdn Bhd  
 Account No : 562106662835  
 Bank Name : Malayan Banking Berhad ( Maybank )  
 Bank Branch : Shah Alam Main Branch  
 Country : Malaysia  
 Swift Code : MBBE MYKLSHA

Payment must be made at least one week before the forum.  
 We do accept onsite payment.  
 Proof of payment to email to enquiries@firm-motion.com

For enquiries, please contact:  
 Mr. Mohammad Khairie  
 Hp no: +60167251869  
 Email: abang.khairie@firm-motion.com

## REGISTRATION FORM

### DELEGATES

#### CATEGORY

#### FEES

*\*Please tick (✓)*

**IMM MEMBER**

**FREE**

**NON-IMM MEMBER**

**RM50**

**WALK IN**

**RM80**

**NAME**

**COMPANY NAME**

**COMPANY ADDRESS**

**TEL NO (OFFICE)**

**MOBILE NO**

**IMM MEMBER NO**

**EMAIL ADDRESS**

### TABLE-TOP EXHIBITION STAND: RM1500

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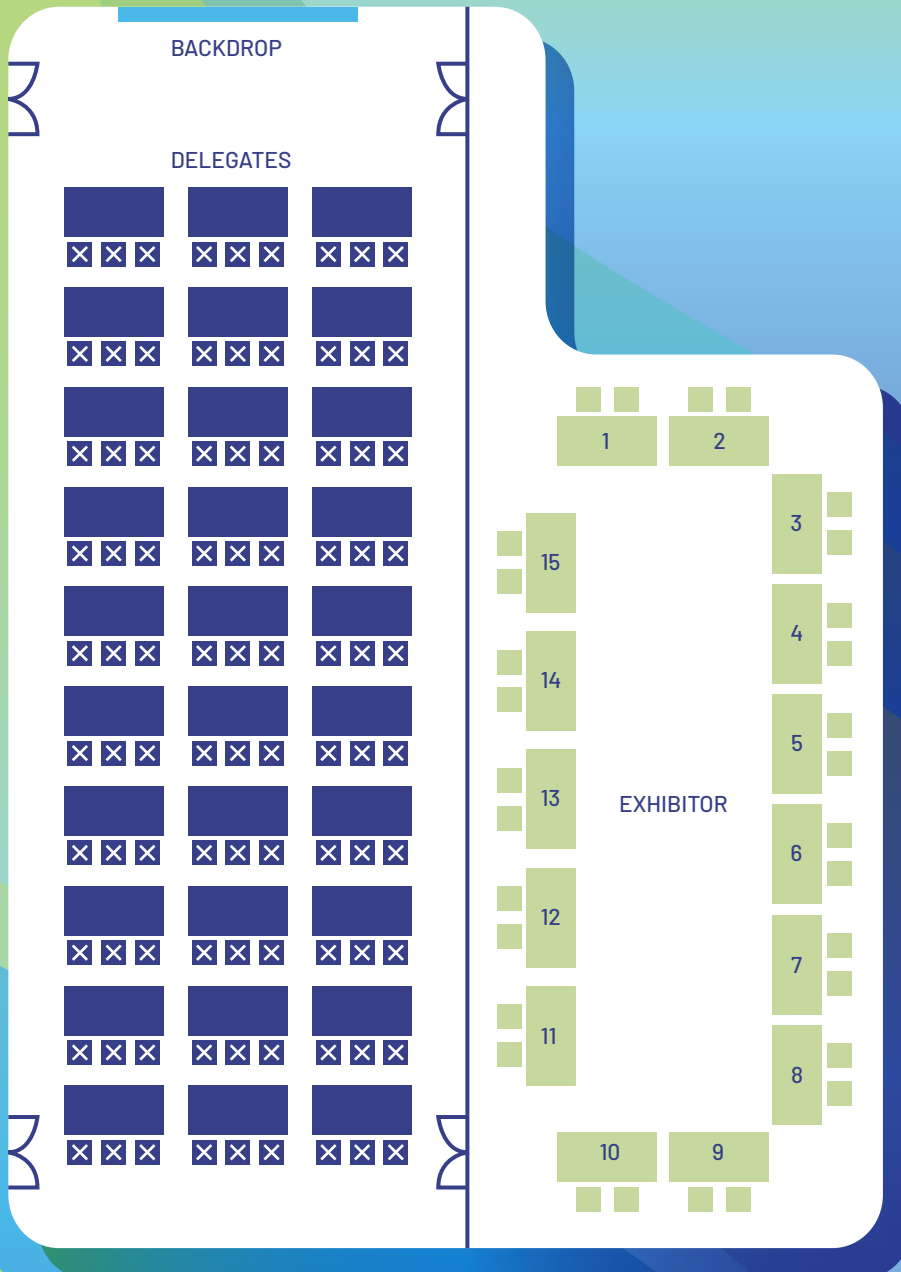
b) Exhibition stand does not come with the package. Exhibitors are advised to bring their buntings with stand to be placed around the tablet

1,500/ package  
 15 packages to be sold

**40%**  
 off before  
 15th March  
 2019

NO	NAME	COMPANY NAME	CONTACT NO	AMOUNT
<b>TOTAL</b>				

# LAYOUT PLAN



## BIG WAVE

### Putting coating fingerprint certification to work

Starting SEPTEMBER 2018



Know us more  
[www.iomm.org.my](http://www.iomm.org.my)  
 [Coating Fingerprinting]

Institute of Materials  
 Malaysia



## Putting coating fingerprint certification to work

3 Apr 2019	1-day Coating Fingerprint Foundation Course	KL
5-6 Apr 2019	2-day <b>Certified</b> Coating Fingerprinting Quality Controller Course	KL

For enquiries on IMM courses

MTE Office: 03-80600166  
 Ikmal: 013-2527660 (ikmal@mte.com.my)  
 Azlizul: 013-7904903 (azlizul@mte.com.my)



Know us more  
[www.iomm.org.my](http://www.iomm.org.my)  
 [Coating Fingerprinting]