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 ≥ 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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.00 pm</td>
<td>Setting up of exhibition benches</td>
</tr>
<tr>
<td>1.00 pm</td>
<td>Registration, tour of exhibition and tea-break</td>
</tr>
<tr>
<td>2.00 pm</td>
<td>Welcoming address</td>
</tr>
<tr>
<td>2.20 pm</td>
<td>Opening remarks by En. Kamal Azman Ibrahim, Petronas GTS</td>
</tr>
<tr>
<td>2.30 pm</td>
<td>Short briefing on the background of Coating Fingerprinting</td>
</tr>
<tr>
<td></td>
<td>by Assoc. Prof. Dr. Melissa Chan</td>
</tr>
<tr>
<td>2.50 pm</td>
<td>Speaker 1 (15-min talk + 5-min Q&amp;A) :</td>
</tr>
<tr>
<td></td>
<td>“Owner’s perspective and commitment” by En. Muhammad Hasan Petronas GTS</td>
</tr>
<tr>
<td>3.10 pm</td>
<td>Tea break &amp; tour of exhibition</td>
</tr>
<tr>
<td>3.40 pm</td>
<td>Speaker 3 (15-min talk + 5-min Q&amp;A) :</td>
</tr>
<tr>
<td></td>
<td>“Coating fingerprinting for different protective coating systems” by Bruker Malaysia</td>
</tr>
<tr>
<td>4.00 pm</td>
<td>Speaker 4 (15-min talk + 5-min Q&amp;A) :</td>
</tr>
<tr>
<td></td>
<td>“Possibilities of fingerprinting of paints from a coating manufacturer’s perspective” by Hempel Malaysia</td>
</tr>
<tr>
<td>4.20 pm</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>4.40 pm</td>
<td>Summary &amp; round-up</td>
</tr>
<tr>
<td>4.45 pm</td>
<td>Tea-break &amp; tour of exhibition</td>
</tr>
<tr>
<td>5.30 pm</td>
<td>ADJOURN</td>
</tr>
</tbody>
</table>

For more details, visit: www.iomm.org.my
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 Harden er). 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 ≥ 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.

**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 buntings 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 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

---

**PAYMENT NOTE**

**REGISTRATION FORM**

**DELEGATES**

**CATEGORY**

<table>
<thead>
<tr>
<th>Category</th>
<th>Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMM MEMBER</td>
<td>FREE</td>
</tr>
<tr>
<td>NON-IMM MEMBER</td>
<td>RM50</td>
</tr>
<tr>
<td>WALK IN</td>
<td>RM80</td>
</tr>
</tbody>
</table>

**NAME**

**COMPANY NAME**

**COMPANY ADDRESS**

**TEL NO (OFFICE)**

**MOBILE NO**

**IMM MEMBER NO**

**EMAIL ADDRESS**

**FEES**

*Please tick (✓)*

**TABLE-TOP EXHIBITION STAND: RM1500**

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 buntings with stand to be placed around the tablet

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

1,500/ package
15 packages to be sold

**TOTAL**
Putting coating fingerprint certification to work

Starting SEPTEMBER 2018

Know us more
www.iomm.org.my  
[Coating Fingerprinting]

Institute of Materials  
Malaysia

Towards Polymeric Coating FP" V shall be exempted from 1-day Coating Fingerprint Foundation Course

For enquiries on IMM courses
MTE Office: 03-80600186  
lkmal: 013-2527660 (ikmal@mte.com.my)  
Azlizul: 013-7904803 (azlizul@mte.com.my)

Know us more
www.iomm.org.my  
[Coating Fingerprinting]