

## Fingerprinting Forum II in Johor



The IMM Polymer Committee along with the IMM Coatings Committee, supported by the Malaysian Offshore Contractors Association (MOCA) and the IMM Southern Chapter conducted a half-day forum at Tanjung Puteri Golf Resort, Johor, titled "Towards Fingerprinting of Polymeric Coatings II", which served as a follow-up to the highly publicized first Fingerprinting Forum that took place earlier this year.

The event fell on Friday, 11th October 2013 and was sponsored by Hempel, Kansai Nerolac Paints, Agilent Technologies and Research Instruments Sdn. Bhd. The consecutive series of Fingerprinting Forums serve as a means for academicians and industry experts to

discuss the innovative concept of "fingerprinting" polymeric coatings, in order to confirm their consistency and durability.

The 2nd Fingerprinting Forum drew a considerable number of participants, with more than 100 in attendance. The forum comprised of a total of 4 presentations by Professor Dr. Mohd Kamal Harun, President of IMM and Deputy Vice-Chancellor of University Malaysia Kelantan, Mr. Frankie Chua, founder and Managing Director of PLC Laboratories Sdn. Bhd., Mr. Muhammad Hawari Hassan of PETRONAS Malaysia, and Ms. Renee Teo of Research Instruments Sdn. Bhd.



Prof. Kamal spoke on "Fingerprinting of Polymeric Coatings", and highlighted the new method of fingerprinting paint, briefly outlining the process. According to him, a relatively expensive higher grade paint will perform better in the long run than a lower grade paint that costs relatively less.

Mr. Frankie Chua discussed the process of paint production, describing it as "the act of blending together ingredients in order to produce a mixture that is applicable, as well as faithful to its intended purpose." Mr. Chua encouraged the audience to seriously consider the method of Fingerprinting as a viable and universally applicable means of ensuring the durability and integrity of paint supply in the future.



Mr. Muhammad Hawari Hassan stressed the importance of adopting alternative coating control methods, citing the various paint failures as a key incentive for this. He ensured the audience of PETRONAS's stringent quality control of its paint supply, which must go through a rigorous series of tests in order to ensure its high standard of performance.

Ms. Renee Teo Yong Yin of Research Instruments Sdn. Bhd. Spoke on "FTIR Application in Paint Distillation". She spoke on FTIR, which is a powerful analytical technique that enables its user to identify and evaluate chemical changes of polymeric coatings, and in turn cross-checks the quality of finalized products and serves in the failure analysis of coating systems. A demonstration of FTIR was conducted by Ms. Teo after her presentation, which was carefully observed by the enthusiastic participants.



The presentations were followed by an open discussion. Many important points were brought up and addressed, resulting in a stimulating and productive exchange between speakers and participants. The Chairperson of the Coatings Fingerprinting Task Force Ms. Nurul Asni Mohamed of PETRONAS gave a summary of the task force activities and presented the draft of the Coatings Birth Certificate.



The forum concluded with the Chairperson of the Polymer Committee expressing her heartfelt appreciation for the efforts of the organizers, as well as the speakers and participants for enabling the event to be a smooth-sailing and fruitful affair. She also cordially encouraged the audience's participation in the upcoming 3rd Fingerprinting Forum, which will take place in 2014.

The forum concluded with the participants expressing a strong interest in the consecutive Fingerprinting Forum. Besides highlighting the necessity for the Malaysian Oil and Gas Industry to adopt a new method of quality control, it also instilled into participants the strong possibility of Polymeric Coating Fingerprinting as a solution to this issue.







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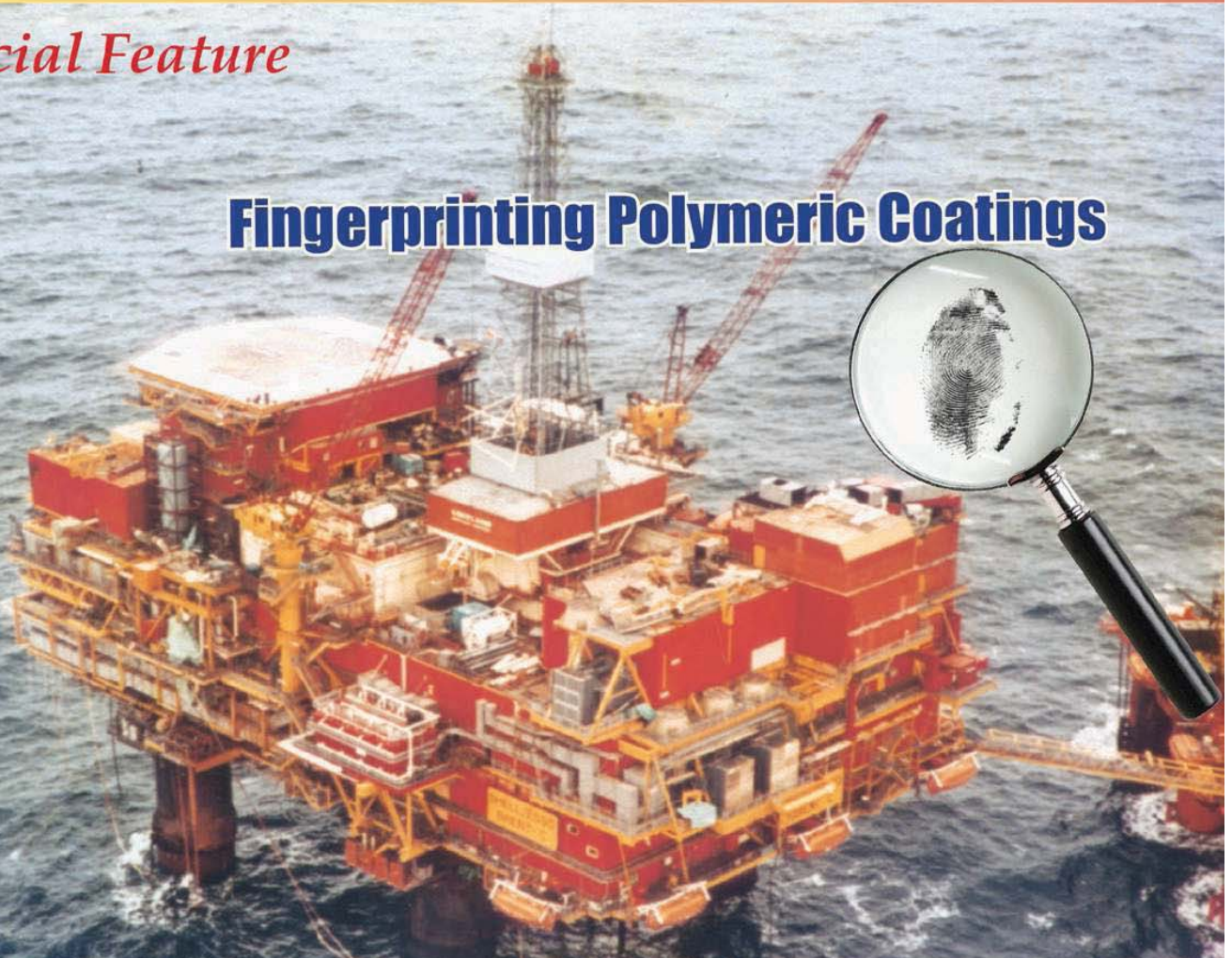
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## Fingerprinting Polymeric Coatings



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**INSTITUTE OF MATERIALS, MALAYSIA**

No 10-1, Jalan Bandar 3,  
Pusat Bandar Puchong, 47160 Puchong,  
Selangor Darul Ehsan,  
MALAYSIA

Tel: +603-5882 3574

Fax : +603-5882 3524

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

Email : [admin@iomm.org.my](mailto:admin@iomm.org.my)

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### Cover Story

IMM and PETRONAS have initiated Fingerprinting of Polymeric Protective Coatings supplied to the Oil and Gas Industry in a same way as Mill Certificates for metals.

Guideline for submission of articles (Academic papers as well as Industry technical papers) can be downloaded from [www.iomm.org.my](http://www.iomm.org.my)