

IMM TASK FORCE ON COATINGS FINGERPRINTING MEETING PHASE 2 (2014 -2016)



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Date: 23rd January 2015
Time: 3:00 – 5:00 pm
Venue: Seminar Room, Kelab Golf Negara Subang (KGNS)
Chairperson: Nurul Asni Mohamed, Principal Engineer (Corrosion), Group Technical Solutions, Technical & Engineering Division, PETRONAS GTS, Malaysia.



Group photo

The IMM Task Force on Coatings Fingerprinting Phase 2 meeting was well attended by the committee members of the task force from the industry as well as from the academia. The meeting was attended by the following members as listed in Table 1.

1. Nurul Asni Mohamed Chairperson PETRONAS GTS, Malaysia	2. Prof. Dr. Mohamad Kamal Advisor Universiti Malaysia Kelantan
3. Ir. Max Ong – Advisor Institute of Materials, Malaysia	4. Assoc. Prof. Dr. Melissa Chan Advisor Universiti Teknologi MARA, Malaysia
5. Terence Wee PPG Industries	6. Robert Lo KCC Paints Sdn Bhd
7. Lim Chuan Gee SIRIM Berhad	8. Dr. Huang Nay Ming University Malaya
9. Lim Suat Ping Kansai Paint Malaysia	10. Dr. Valliyappan David Natrajan Universiti Teknologi MARA, Malaysia
11. Chow Mee Ling Agilent Technologies	12. Anis Amilah PETRONAS GTS, Malaysia
13. Dr. Tan Winie Universiti Teknologi MARA, Malaysia	14. Kenneth Way Perkin Elmer Sdn Bhd
15. Patrick Lim Perkin Elmer Sdn Bhd	16. Kelly Hong Research Instruments Sdn Bhd
17. Michelle Lee Research Instruments Sdn Bhd	18. Elynn Low Research Instruments Sdn Bhd
19. Ir. Mohd Suradi Yasin Institute of Materials, Malaysia	20. Lee Choon Siong Jotun Paints (M) Sdn Bhd
21. Andrew Lin KCC Paints Sdn Bhd	22. Mohd Shahril Atiqi Petronas GTS, Malaysia
23. Mohd Wahiduzzaman PPG Industries (PMC)	24. Renee Teo Bruker (M) Sdn Bhd
25. Frankie Chua Kansai Paint Malaysia (PLC)	26. Ahmad Badli Shah Akzonobel Malaysia
27. Mohd Hafiz B. Hidzir Universiti Teknologi MARA, Malaysia	28. Abd. Aziz B. Haron SIRIM QAS
29. Ainil Fidrah Mohd Ghazali MTE Sdn Bhd	30. Zalilawati Hasan MTE Sdn Bhd
31. Nor Suhaila Saadon MTE Sdn Bhd	32. Suhaila Suhaimi MTE Sdn Bhd

The Chairperson started the meeting with introduction of committee members. Puan Nurul Asni shared the deliveries of Coatings Fingerprinting Phase 1 (2013 – 2014) with all members. The initiative of **Coating Fingerprint Certificate** for polymeric coatings supplied to the oil and gas companies started from the IMM Forum on “Towards Fingerprinting of Polymeric Coatings” I on 22nd March 2013, followed by Task Force on Coatings Fingerprint formation in April 2013, FP Forum II on 11th October 2013, and FP Forum III on 20th June 2014. **Coating Fingerprint Certificate** of polymeric coatings, which is acceptable to the oil and gas companies was presented during FP Forum III. IMM proudly announced that the

involvement of IMM through multi-lateral discussions and practical trials using the FTIR equipment jointly with the oil and gas operators, paint manufacturers, materials testing organizations and FTIR instrumental specialists over many months have resulted in a new step towards improved quality of paint supply and paint performance in the oil and gas industry.

Several projects were identified and most of the paint manufacturers and Fourier-Transform Infrared (FTIR) instrument suppliers agreed to provide complimentary samples and testings cum technical supports. The chairperson of the task force recorded deepest gratitude to the endless supports from all parties towards the ultimate objective of this task force, ie. to ensure that protective coatings manufacturers supply products according to specifications.

Complimentary samples and testing from the following companies:



- Background
- Report on IMM Task Force on Coatings Fingerprinting (Phase 1: 2013-2014)
- Objectives of IMM Task Force on Fingerprinting Polymer Coatings (Phase 2: 2014-2016)

For all the details, please visit:-
<http://iommm.org.my/coating-fingerprint-certificate/background-of-coating-fingerprint-certificate/>

Power point presentation slides



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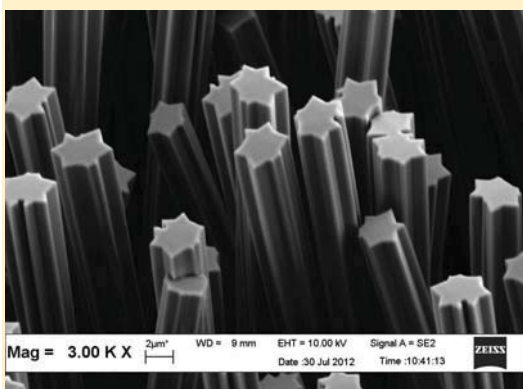
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Materials Mind Photography Competition Winning Photograph

Cover Rationale:



Congratulations to Siti Nor Qurratu Aini Abd Aziz from School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia for her captivating photo on microstructured ZnO. She won RM 500.00 and a certificate.

Title: **Zinc Oxide “Shooting Stars”**

Photograph description:

Field Emission Scanning Electron Microscope (FESEM) image of Zinc Oxide (ZnO) star rod-like structures with the average diameter and length of $\sim 2 \mu\text{m}$ and $20 \mu\text{m}$, respectively. This material was synthesized through chemical vapor deposition method using 0.3 grams of Zn powder precursor with 1 hour synthesis time. The ZnO “Shooting Stars” grew on the bare Si substrates with the aid of argon and oxygen as carrier gases, following the Vapor-Solid growth mechanism.