

Materials Lecture Competition 2021 (MLC 2021)



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Date: 28th July 2021
Venue: online Webex

Universiti Sains Malaysia (USM) has been selected as the host for this year Materials Lecture Competition 2021 (MLC 2021). The MLC 2021 Semi-final and final round were held online from 14th July 2021 and to 28th July 2021, respectively by USM in collaboration with the Institute of Materials, Malaysia (IMM) and the Institute of Materials, Minerals and Mining UK (IOM3-UK). Both events were held on the Webex platform and aired live on the Facebook page of the School of Materials and Mineral Resources Engineering. The semi-final and final rounds were initially scheduled for 2nd June 2021 and 16th June 2021, respectively. However, Malaysia was placed under the Movement Control Order 3.0 (MCO 3.0) from 12th May 2021 to 7th June 2021 as the country grappled with rising Covid-19 infections. Under this movement restriction that previously lasted for more than four weeks, all educational institutions were closed. Therefore, the committee members agreed to postpone the events until mid-July 2021.

The aim of the event was to provide a platform for young talents to exhibit effective and impressive presentation skills in delivering topics in the field of material science and engineering. The MLC 2021 semi-final event was officiated by Assoc. Prof. Ir. Dr. Syed Fuad Saiyid Hashim, the Dean of the School of Materials and Mineral

Resources Engineering at USM. The semi-final and final judging panels were selected from academia and industry practitioners (Table 1).

The MLC 2021 semi-final competition aimed to select five finalists from participants in eighteen Malaysian universities as shown in Table 2. The first five participants in Table 2 are the MLC 2021 top five finalists who won the competition. The top five finalists had competed in the MLC 2021 finals held on 28th July 2021, which were also organised online by USM. The MLC 2021 Final event was officiated by Assoc. Prof. Ir. Dr. Syed Fuad Saiyid Hashim, Dean of the School of Materials and Mineral Resources Engineering, USM. The half-day competition ended with closing remarks given by Dato' Dr. Ir. Ts. Haji Mohd Abdul Karim Abdullah. Farah Hannan Abd Nasir from Universiti Malaya was the winner of MLC 2021, while Mivolil Duinong from Universiti Malaysia Sabah and Merna Ehab Mohamed Kamel Shehata from University of Nottingham came in second and third place, respectively. The winners received a cash prize of RM 3000.00, RM 2000.00 and RM 1000.00 respectively, while the last two finalists received consolation prizes of RM 500.00 each. The cash prize was sponsored by IMM. The first prize winner will represent Malaysia in YPWLC2021 in November, which will be organised by IOM3-UK via an online competition.

Table 1: The Panel of Judges for the MLC 2021 Semi-final and Final

MLC 2021 Semi-final	MLC 2021 Final
1. Mr. Kang Kim Ang (CORRTROL Group of Companies) – Moderator	1. Prof. Dr. Esah Hamzah (Universiti Teknologi Malaysia) - Moderator
2. Prof. Dr. Megat Mohamad Hamdan Megat Ahmad (Universiti Pertahanan Nasional Malaysia)	2. Prof. Ir. Dr. Sapuan Salit (Universiti Putra Malaysia)
3. Assoc. Prof. Ir. Ts. Dr. Wan Sharuzi Wan Harun (Universiti Malaysia Pahang)	3. Ir. Dr. Azmi Mohammad Nor (Petronas Research Sdn. Bhd.)
4. Madam Feroza Shariff (Sapura OMV Upstream Sarawak Inc.)	4. Ir. Dr. Lim Mook Tzeng (TNB Research Sdn. Bhd.)

IMM ANNOUNCEMENT

INTRODUCTION OF UPGRADED IMM CERTIFIED PROTECTIVE COATING TECHNICIAN (BLASTER AND/OR PAINTER) CERTIFICATION SCHEME

Beginning January 2021, IMM will be introducing the upgraded IMM Certified Protective Coating Technician (Level 1 or Level 2) certification scheme

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IMM ANNOUNCEMENT

DEFERMENT OF IMPLEMENTATION OF IMM'S CONTINUING PROFESSIONAL DEVELOPMENT (CPD) SCHEME

As certified personnel may face difficulties in collecting CPD points during the Covid-19 pandemic, IMM has now deferred the implementation of the CPD requirement for recertification to January 2023.

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Table 2: MLC 2021 Semi-final Participants and the Top Five Finalists

No	Name of Participant	University
1	Mivolil Duinong	Universiti Malaysia Sabah (UMS)
2	Farah Hannan Abd Nasir	Universiti Malaya (UM)
3	Satisvar A/L Sundera Murthe	Universiti Sains Malaysia (USM)
4	Merna Ehab Mohamed Kamel Shehata	University of Nottingham Malaysia Campus (UNMC)
5	Imranah Said Mohamed	Universiti Teknologi Petronas (UTP)
6	Nur Fatihah Tajul Arifin	Universiti Teknologi Malaysia (UTM)
7	Ignatius Lim Yuze	Tunku Abdul Rahman University College (TARUC)
8	Zulkamal Arief Shah Muhammad Haniff Lim	Taylor's University
9	Hamed Rastgoo Ghamsari	Universiti Putra Malaysia (UPM)
10	Daniel Azlan Mohd Azli	Universiti Teknikal Malaysia Melaka (UTeM)
11	Yap Yee Wen	Universiti Malaysia Perlis (UniMAP)
12	Ahmad Abdul Mun'im Ismail	International Islamic University Malaysia (IIUM)
13	Devan Chandrasakaran	Universiti Selangor (UNISEL)
14	Norhamizah Hazirah Ahmad Junaidi	Universiti Kebangsaan Malaysia (UKM)
15	Mohd Syafiq Aiman Mohd Hanapi	Universiti Teknologi MARA (UiTM)
16	Haran Murali	Universiti Tenaga Nasional (UNITEN)
17	Kartigesan Murugaya	Universiti Tun Hussein Onn Malaysia (UTHM)
18	Chaw Eileen	University Malaysia Kelantan (UMK)



Figure 1: Webex Screenshot of the eighteen MLC 2021 Semi-final participants with IMM Rep, MLC Chairperson, MLC committee members, the Judges, and the Dean of School of Materials and Mineral Resources Engineering, USM.



Figure 2: MLC 2021 Semi-final event: Top Five Finalists: UM, UMS, USM, UNMC and UTP.



Figure 3: Judge's deliberation session for MLC 2021 Semi-final (top) and MLC 2021 Final (bottom)



Figure 4: Webex Screenshot of the MLC 2021 Final event: The five finalists with IMM representative, MLC Chairperson, and the panel of judges.

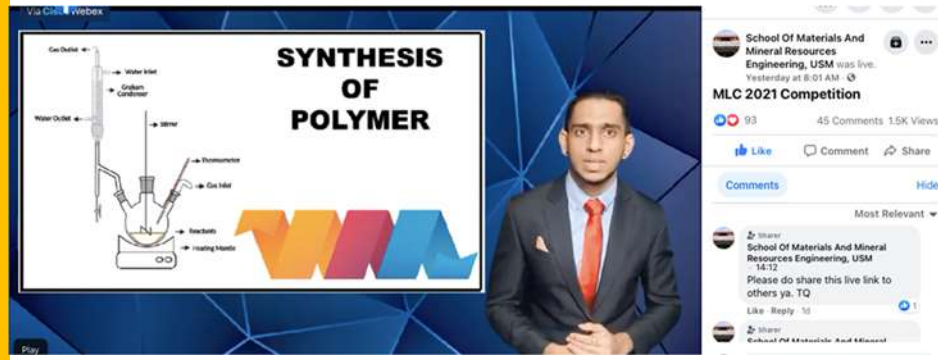


Figure 5: The live streaming via Facebook Page of School of Materials and Minerals Resources Engineering, USM for MLC 2021 Semi-final

Figure 6: The live streaming via Facebook Page of School of Materials and Minerals Resources Engineering, USM for MLC 2021 Final



Figure 7: Winner of MLC 2021



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HIGHLIGHTS

IMM Student Chapter

Addressing the Issues of Significant Figures for Degree of Similarity and Specific FTIR Fingerprint Regions for Paints: A Pilot Study

Predicting the Whiteness Index of Cotton Fabric with a Least Squares Model



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