

IMM STUDENT CHAPTER

COVER STORY

Prepared and edited by: **Assoc. Prof. Dr. Lim Teck Hock**
(Tunku Abdul Rahman University College)
Chair of IMM Student Chapters (2020-2022)



What is an IMM Student Chapter?

- It is an organization for undergraduate/postgraduate students with an interest in the disciplines of Materials Science, Technology and Engineering.
- Members participate in a wide range of programs and activities that enhance their college experience and prepare them for successful careers.
- Having a student chapter allows a university and IMM to co-organize events and leverage on both parties' strengths and connections.
- IMM Student Awards/industry visits/internships/career linkage/talks.
- Industry readiness of students/community services.
- Financial assistance for participating in Materials Lecture Competition leading to the honor and opportunity to represent Malaysia in Young Person's World Lecture Competition.

Activities 2019-2021

With the Covid-19 pandemic becoming worse in early 2020 and multiple extensions of movement control orders (MCOs), activities of student chapters have been greatly affected. Albeit the difficulties, IMM Student Chapters have been able to stay active with respective students committee propelling through with virtual seminars and meetings a strong statement of the younger generation's fighting spirits and energy. I invite you to read and celebrate with us respective IMM Student Chapters' vibrancy through their cover stories and reports.

IMM Week on March 2021

In collaboration with the Young Professionals committee of IMM, led by Mr. Mohd Fairuz Mohd Salleh of Serba Dinamik, students from five active IMM Students Chapters participated in the IMM Week through a virtual conference (IMM Conference on Materials, Science and Technology 17-19 March 2021) which allowed them to attend talks by captains and experts of various industries and also the chances to meet their potential future employers.

Existing IMM Student Chapter

	UNIVERSITY	YEAR SIGNED	MOU DURATION	STATUS
1	Universiti Tunku Abdul Rahman	2012	5 years	Ongoing (Renewed)
2	Universiti Malaya	2013	5 years	In process of being renewed
3	Curtin University Sarawak	2015	5 years	Ongoing
4	Universiti Teknologi Malaysia (UTM)	2016	5 years	Ongoing
5	Universiti Teknologi MARA (UiTM)	2018	5 years	Ongoing
6	Universiti Tun Hussein Onn Malaysia (UTHM)	2020	5 years	Ongoing
7	Tunku Abdul Rahman University College (TARUC)	2020	5 years	Ongoing
8	Taylor University	2021	5 years	MoA to be signed Oct 2021

Student Editorials Activities (2020-2021)

Since the inception of Student Publication Editorial Board (SPEV) in 2019, respective Student Chapters have been actively taking part in publishing in Materials Mind Magazine under the section of "Student Editorial" with topics ranging from nanotechnology to metal alloys, newly designed beehives to assist pollination and a process design and economy study of fermentation of chemicals of interest.

IMM Invited to Attend and Exhibit in KLESF 2019

As part of IMM's continuous commitment to fulfil its mission to promote public understanding and appreciation of Materials Science, Student Chapter of Institute of Materials, Malaysia (IMM) accepted the invitation to participate in the Kuala Lumpur Engineering Science Fair (KLESF) 2019 event, held from 1st- 3rd of November 2019 at the MINES International Exhibition & Convention Centre. KLESF has proven itself as an effective platform for the promotion of Science, Technology, Engineering and Mathematics (STEM) education in Malaysia since first organized in 2013 by the Malaysian Industry-Government Group for High Technology (MIGHT), ASEAN Academy of Engineering and Technology (AAET), Institution of Engineers

IMM Student Chapter Committee (2020-2022)

POSITION	NAME	AFFILIATION/ COMPANY
Chair	Associate Professor Dr. Lim Teck Hock	Tunku Abdul Rahman University College
Co-chair	Dr. Amirah Amalina Ahmad Tarmizi	Universiti Teknologi MARA
Secretary	Ts. Ong Thai Kiat	Tunku Abdul Rahman University College
Committee Members	Ts. Brian Lim Siong Chung (Elected IMM council member 2020-2022)	NTT Quality Construction Sdn. Bhd.
	Dr. Liew Chiam Wen	Tunku Abdul Rahman University College
	Ts. Dr. Mahmood Anwar	Curtin University Malaysia
	Dr. Ho Mui Yen	Tunku Abdul Rahman University College



IMM Student Chapter	Number of students attended IMM Week
Curtin University Malaysia	2
TARUC	17
UiTM	11
UTHM	24
UTAR	14
Total	68

Figure 1: IMM Week 2021 and the number of participants from the IMM-Student Chapter

Figure 2: Student editorials activities (2020-2021).



Figure 3: Kuala Lumpur Engineering Science Fair (KLESF) 2019

Malaysia (IEM) and Universiti Tunku Abdul Rahman (UTAR). KLESF enters its fifth edition in 2019 with an expected 70,000 visitors. This three-day annual event has managed to attract more than 20 private and public universities, over 50 companies, multiple government agencies, and foreign exhibitors from China and Hong Kong. Other than the promotion of IMM to the public, the IMM Student Chapter together with dedicated staff from IMM, Materials Technology Education Sdn Bhd (MTE) and UTAR-Student Chapter organized a hands-on workshop to demonstrate to the public on Materials Science that could be interesting, fun and relevant to both our daily life and our country's economy.

IMM's Student Chapter, with the assistance from members of UTAR-IMM Student Chapter ran a workshop on 'Do It Yourself (DIY) Badge'. Visitors created their own badge designs and painted a polymer which upon heating shrank and hardened into keychains for them to bring home.

Proposed Activities 2022

- IMM Student Award – Student Committees of respective IMM Student Chapter would be given a chance to decide on the running and execution of an IMM Student Award through the way young students preferred (under the guidance of IMM Student Chapters).
- Student Editorial – With the enthusiastic participations of various Student Chapters in the past one year, the Student Editorial section of Materials Mind would continue in the hope of training more students in the field of technical contents, communicator and technical paper editors
- KLESF 2022 – With Malaysia's vaccination programme being successfully implemented, IMM Student Chapter shall endeavor to take part in KLESF 2022 (if the situation allows) to promote IMM to the public and encourage young students to opt for STEM subjects.



MATERIALS IND

Issue 32

October 2021

www.iomm.org.my

Institute of Materials, Malaysia



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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OCTOBER 2021 Issue 32

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INSTITUTE OF MATERIALS, MALAYSIA
Suite 515, Level 5, Block A, Kelana Centre Point (Lobby B), No. 3 Jalan SS 7/19, Kelana Jaya, 47301 Petaling Jaya, Selangor.
Tel: +603-76611591

✉ secretariat@iommm.org.my
🌐 www.iommm.org.my
☎ +60 18-911 3480
📘 Institute of Materials, Malaysia




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