

# ICMST <sup>2024</sup>

**4<sup>TH</sup> INTERNATIONAL CONFERENCE ON  
MEDICAL SCIENCE TECHNOLOGY (ICMST 2024)**

*"Symbiosis in Science: Advancing Healthcare through  
Multidisciplinary Collaboration"*

**19 & 20 NOVEMBER 2024**  
**(CONFERENCE)**

## CONFERENCE BOOKLET

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# **FOREWORD FROM THE PRESIDENT/CHIEF EXECUTIVE OFFICER**

Welcome to the 4th International Conference on Medical Science and Technology (ICMST 2024)!

We are truly honoured to host this home grown conference at Universiti Kuala Lumpur, as a central gathering place for researchers, clinicians, industry leaders and students who are dedicated to advancing healthcare through innovation and collaboration.



The theme for this year, "Symbiosis in Science: Advancing Healthcare through Multidisciplinary Collaboration," underscores our commitment to fostering synergy across disciplines in medical science and technology. With over 130 presenters from 13 countries, ICMST 2024 embodies our shared global mission to drive solutions that address key challenges in healthcare, public health and AI applications, while supporting the United Nations' Sustainable Development Goals.

I extend my heartfelt gratitude to our distinguished plenary speakers, co-organizers, and all participants for their invaluable contributions. We look forward to the impact of your research and to future collaborations inspired by this conference which will certainly shape the future of healthcare.

Wishing you a productive conference and a beneficial experience!

Yours sincerely,

A handwritten signature in black ink, appearing to read "Azman Senin". The signature is fluid and cursive, written over a light blue background.

**PROF. IR. DR. AZMAN SENIN**  
President/ Chief Executive Officer  
Universiti Kuala Lumpur



# FOREWORD FROM THE DEAN, UniKL INSTITUTE OF MEDICAL SCIENCE TECHNOLOGY

It is my pleasure to welcome you to ICMST 2024, where we gather to explore the intersections of medical science and technology.

This conference has been crafted as a platform for exchanging pioneering ideas that push the boundaries of healthcare, driven by an extraordinary community of scientists, medical practitioners, and engineers.

ICMST 2024 offers a unique lineup of sessions, including four plenary speakers from both local and international backgrounds, industry-led keynotes, and opportunities for impactful publications in academic journals. This event allows us to reflect on how our research advances public health, clinical diagnostics, biomedical science, and AI applications, fulfilling our mission to deliver innovative healthcare solutions.

I am grateful to our participants, sponsors, and co-organizers for their dedication. I hope you find this conference an inspiring experience that leads to lasting collaborations.

Best regards,



**ASSOC. PROF. TS. DR. REEZAL ISHAK**

Dean/Head of Campus  
Universiti Kuala Lumpur Institute of Medical Science Technology  
(UniKL MESTECH)



# FOREWORD FROM THE CONVENER OF ICMST 2024

Welcome to ICMST 2024!

It is a great honour to bring you ICMST 2024, designed to provide insights into cutting-edge medical science and the transformative role of technology, particularly artificial intelligence (AI). We believe that AI has the potential to revolutionize healthcare, and our plenary sessions bring together leading voices in the field to discuss its impact on healthcare.



We hope that these discussions inspire you and provide valuable knowledge and perspectives on the future of healthcare.

This conference would not be possible without the support of our dedicated sponsors, especially our main sponsor, Invest Selangor Berhad, as well as our esteemed co-organizers, Persatuan Pegawai Sains Malaysia and Persatuan Juruteknologi Makmal Perubatan Malaysia. Their backing reflects the collaborative spirit essential to advancing medical science. Our gratitude also goes to all co-organizing universities for their invaluable collaboration and commitment. We extend our deepest thanks to our honored guests and the management of UniKL MESTECH for their unwavering support in making ICMST 2024 a reality.

We hope you find this conference enriching and enjoyable. May the ideas and connections formed here lead to groundbreaking innovations and enduring partnerships.

Warm regards,

A handwritten signature in black ink, appearing to read 'Tong Woei Yenn'. The signature is stylized and includes a flourish at the end.

**ASSOC. PROF. DR. TONG WOEI YENN**  
Convener, ICMST 2024



# CONFERENCE SCHEDULE

## 18 NOVEMBER 2024 (MONDAY)

TIME	PROGRAM	VENUE
15:00 - 20:00	Registration	Hotel Lobby

## 19 NOVEMBER 2024 (TUESDAY)

TIME	PROGRAM	VENUE
08:00 - 09:00	Registration	Ballroom
09:00 - 10:30	Welcoming Ceremony	Ballroom
	Presentations from ICMST 2024 Featured Speakers	
10:30 - 10:45	Coffee Break	Ballroom Foyer
10:45 - 13:00	<b>Parallel Session 1</b> <ul style="list-style-type: none"><li>• Biomedical Science</li><li>• Occupational Safety and Health, AI in Healthcare</li><li>• Public Health</li></ul>	Gallery 1 Gallery 2 Gallery 3
	Poster Presentation	Ballroom

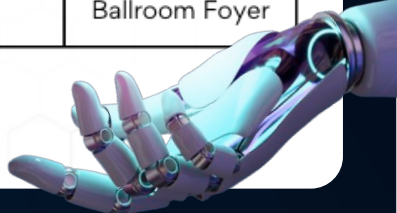


## 19 NOVEMBER 2024 (TUESDAY)

TIME	PROGRAM	VENUE
13:00 - 14:15	Lunch Break	Melting Pot Cafe
14:15 - 16:45	<b>Parallel Session 2</b> <ul style="list-style-type: none"><li>• Biomedical Science</li><li>• Public Health</li><li>• Entrepreneurship and Innovation in Healthcare</li></ul>	Gallery 1 Gallery 2 Gallery 3
	Poster Presentation	Ballroom
16:45 - 17:15	Coffee Break	Ballroom Foyer

## 20 NOVEMBER 2024 (WEDNESDAY)

TIME	PROGRAM	VENUE
09:00 - 10:45	<b>Parallel Session 3</b> <ul style="list-style-type: none"><li>• Biomedical Science/ Clinical Laboratory Diagnostic</li><li>• Public Health</li></ul>	Gallery 1 Gallery 2
	Poster Presentation	Ballroom
10:45 - 11:00	Coffee Break	Ballroom Foyer



## 20 NOVEMBER 2024 (WEDNESDAY)

TIME	PROGRAM	VENUE
11:00 - 13:00	<p><b>Plenary Session of ICMST 2024</b></p> <p><u>Moderator :</u> <b>Assoc. Prof. Ts. Dr. Izuddin Fahmy Abu,</b> UniKL MESTECH</p> <p><u>Panellists:</u></p> <ul style="list-style-type: none"><li>• <b>Assoc. Prof. Ir. Dr. Lukas,</b> Chairperson of Indonesia AI Society</li><li>• <b>Dr. Izzuna Mudla bt Mohamed Ghazali,</b> Ministry of Health Malaysia</li><li>• <b>Assoc. Prof. Ts. Dr. Sairul Izwan,</b> UniKL MITEC</li><li>• <b>Mr. Eg Kah Yee,</b> UCrest Berhad</li></ul>	Ballroom
13:00 - 14:15	Lunch Break	Melting Pot Cafe
14:15 - 16:30	<b>Plenary Forum</b> "AI in Healthcare"	Ballroom
	Closing Ceremony	
	Presentation of Awards	
16:30 - 17:00	Coffee Break	Ballroom Foyer



# PLENARY SPEAKERS



**ASSOC. PROF.  
DR. IR. LUKAS**

*Chairman,  
Indonesia Artificial  
Intelligence Society (IAIS)*



**EG KAH YEE**

*Chairman & Managing Director of Ucreast Bhd  
Chairman of Malaysia Integrated  
Circuit Design Association.*



**DR. IZZUNA MUDLA  
MOHAMED GHAZALI**

*Head of Malaysian Health Technology  
Assessment Section (MaHTAS)*



**ASSOC. PROF. TS. DR.  
SAIRUL IZWAN SAFIE**

*Senior Lecturer, UniKL Malaysian Institute of  
Industrial Technology*



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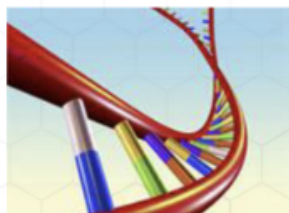
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# ICMST <sup>2024</sup>



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