



# UMAM

Universiti Muhammadiyah Malaysia

# International Summit on Knowledge Advancements **ISKA 2022**

Officiated By :

HRH Tuanku Syed Faizuddin Putra

Ibni Tuanku Syed Sirajuddin Jamalullail

The Crown Prince Of Perlis

**Perlis, Malaysia, 22-23  
August 2022**

***ISKA*22**  
INTERNATIONAL SUMMIT ON KNOWLEDGE ADVANCEMENTS

# Welcome to ISKA 2022

The International Summit on Knowledge Advancements aims to provide a platform for academics, researchers and industrial players to share knowledge and ideas, widen networking, present research findings and explore any other potential benefits that are expected to contribute to a better future. International participants from other parts of the globe are most welcome.



The International Summit on Knowledge Advancements 2022 (ISKA2022) comprises two main events, i.e. Plenary Session on Education and Culture: Future and Challenge and International Conferences.



# Table of contents

**01**

Welcome to ISKA 2022

**03**

Foreword Chairman BOD

**04**

Foreword Rector

**05**

Foreword Executive Chairman of ISKA 2022

**06**

Keynote Speakers

**07**

Panelists

**08**

Steering Committee

**09**

Organizing Committee

**10**

International Conference on Global Business Management and Economics (ICBMec 2022)

**11**

International Conference on Information Technology and Engineering Applications (ICIEAP2022)

**12**

International Conference on Education and Vocational Education (IEVE2022)

**13**

International Conference on Islamic Studies and Civilisation (ICISC2022)

**14**

International Conference on Psychology, Humanities and Social Sciences (ICPHS2022)

**15**

Venue

**16**

Schedule

**21**

Sponsors

**22**

Programmes UMAM





# Foreword

## Chairman Board of Director

### UCMM Konsortium Sdn. Bhd.

Assalamu 'alaikum Wr. Wb.

All praises and gratitude be to Allah SWT, It is only through the abundance of grace and guidance from Allah that today's Summit on Knowledge Advancements (ISKA 2022), organized by Universiti Muhammadiyah Malaysia (UMAM) in collaboration with Muhammadiyah and A'isyiah Universities (PTMA) universities, was finally made possible.

My highly appreciation goes to HRH DYTU Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail, The Crown Prince Of Perlis. Also my special thanks to The Honorable Dato' Seri Azlan Man, Chief Minister Of Perlis, YBhg. Sahibus Samahah Prof. Dato' Arif Perkasa Dr. Mohd Asri Zainul Abidin who continuously support this event.

The purpose of today's event is to provide a mutually rewarding discussion for all of us here, where we can exchange ideas, share knowledge and experience, as well as learn insights from the latest research findings that would expand our repertoire of knowledge and allow us to have a better understanding of how we can bridge theory and practice.

As you might have understood, today's summit, will cover a wide range of key topics such as education, socio-cultural and economic issues, politics, as well as national defence and security, and information technology. I am also grateful and proud to say that today's summit has been joined by a number of distinguished scholars and scientists of different disciplines, and some prominent political figures.

To conclude, I would like to thank the organizing committee and everyone involved, for all of hard work and effort you have put in to make this summit happen. I wish all of you an enjoyable and productive time throughout the summit and all five conferences.

Wasalallamu 'alaikum Wr. Wb.

**Prof. Dr. KH. Haedar Nashir**

Chairman

Central Board of Muhammadiyah

Chairman

Board of Director

UCMM Konsortium Sdn. Bhd



# Foreword

## Rector

Universiti Muhammadiyah Malaysia

Assalamu 'alaikum wr wb.

First of all, allow me to invite everyone to always feel grateful to Allah The Almighty, for the abundance of His gifts to us so that whatever we have accomplished may earn His blessings. On this special occasion, I would like to congratulate and thank the organizing committee for having successfully made the International Summit on Knowledge Advancement (ISKA 2022) possible. I would also like to extend my deepest appreciation to all participants and presenters for your participation in today's conference and seminars.

It is an honour for us that HRH Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail, The Crown Prince Of Perlis also with us to encourage and motivate all participants to move forward in enhancing and expanding knowledge in the region of South East Asia. Perlis will hopefully become an international education hub that all academics and researchers collaborate each other starting from ISKA2022.

I hope today's event will provide a platform for international publications as well as for researchers and academics to expand knowledge and collaboration. I am proud to inform you that this international Summit comprising of five International Conferences has been actively supported by five Ph. D programmes in Universiti Muhammadiyah Malaysia (UMAM) namely Business and Management, Information Technology, Education, Social Science and Islamic Studies.

The ISKA 2022 is not only a gathering place for researchers and practitioners in Southeast Asia region but also as a medium to share knowledge and experiences from experts in their fields. I hope that this event will become a forum for the participants to present new ideas and a forum for discussion of their theories, analysis, design and development in order to create a dignified society. Finally, to all of the participants, I hope all of you will have a productive seminar and memorable experience during the seminar and conference at Universiti Muhammadiyah Malaysia (UMAM)

Wasallallahu 'alaikum Wr. Wb.

**Assoc. Prof. Ir Dr. Waluyo Adi Siswanto**

Rector

Universiti Muhammadiyah Malaysia (UMAM)



# Foreword

## Executive Chairman of ISKA 2022

Assalamu 'alaikum wr wb.

HRH Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail, The Crown Prince Of Perlis.

The Honorable Chief Minister Of Perlis, Mufti Perlis, Distinguish guests and participants.

First of all, All Praises and Gratitudes are due to Allah the Almighty, because of his blessings and grace, today we can meet on this special occasion. I would like to welcome everyone to today's event, the International Summit on Knowledge Advancements (ISKA 2022) with the theme "Enhancing Knowledge Sharing Through Collaborative Research Education and Culture in Southeast Asia" organized by Universiti Muhammadiyah Malaysia (UMAM), in collaboration with Muhammadiyah and A'isyiyah Universities (PTMA). May God always bless us with His protection and grace for the success of this event, and hopefully this event can provide benefits for all of the participants and academic community in Southeast Asia region. Thank you to HRH Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail, The Crown Prince Of Perlis, The Honorable Chief Minister Of Perlis, Mufti Perlis, and others who continuously support this event.

It is my honour and pleasure to inform you that today's event has been joined by as many as 150 participants and a number of speakers from various regions in Indonesia and Malaysia as well as from different universities, including a number of distinguished scholars and scientists, and prominent political figures. Today's event will feature a paper presentation which discusses a wide range of topics, including

- 1.Global Business Management and Economics
- 2.Information Technology and Engineering Applications
- 3.Education and Vocational Education
- 4.Islamic Studies and Civilisation
- 5.Psychology, Humanities and Social Sciences

In this opportunity, we also thank to our fellow speakers, participants and the entire committee for all forms of participation and support in making this event successful.

On behalf of the whole committee members, We have tried our best to prepare for this event. However, there might be some imperfections in the way we organize this event. We do apologize. Finally, I wish you all a productive and rewarding experience throughout the seminar and conference. May Allah SWT always guide and bless us all.

Wasalallahu 'alaikum Wr. Wb.

**Dr. Wachid Ridwan**  
Executive Chairman of ISKA 2022

Vice Rector for Collaboration Students Affairs and Alumni  
Universiti Muhammadiyah Malaysia (UMAM)



# Keynote Speakers



## **Dr. (HC) Puan Maharani Nakshatra Kusyala Devi**

Puan Maharani Nakshatra Kusyala Devi is the youngest child and the only daughter of former president and current PDI-P leader Megawati Sukarnoputri, and a granddaughter of Indonesia's first president Sukarno.



## **Prof. Dr. KH. Haedar Nashir**

Professor Haedar Nashir has been a member of Muhammadiyah since 1983 with a registration number 545549. He is now the chairman of Central Board of Muhammadiyah.





# Panelists



**Letjen TNI (Purn) Prabowo Subianto**

Minister of Defense of the Republic of Indonesia



**YBhg. Sahibus Samahah Prof. Dato' Arif Perkasa  
Dr. Mohd Asri Zainul Abidin**

Mufti Perlis



**Prof. Dr. Abdul Mu'ti**

Secretary General of Central Board of Muhammadiyah



**Prof. Emeritus Dato' Seri Dr. Mohamed Mustafa Ishak**

Professor of Political Science and Leadership at UUM



**Prof. Dr. Rushami Zien Yusoff**

Chief Executive Officer, Uniutama Education and  
Consultancy Services Universiti Utara Malaysia



**Prof. Dr. Azyumardi Azra**

Senior Professor of Syarif Hidayatullah State Islamic  
University Jakarta



**Prof. Dr. Lincoln Arsyad**

Chairman for Council of Higher Education and Research  
Development, Central Board of Muhammadiyah



# Steering Committee

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Secretary : Dr. dr. Sukadino, M.M.

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  - Prof. Dr. Chairil Anwar, M.Sc.
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  - Dr. Sakroni, M.Pd.
  - Dr. Sonedi, M.Pd.
  - Arif Nurudin, M.T.
  - Assoc. Prof. Dr. Sonny Zulhuda



# Organizing Committee

Executive Chairman : Dr. Wachid Ridwan, M. Si.

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Pramudana Ihsan, S.Hum., M.Pd.  
Yuanita Wulandari, S.Kep., Ns., MSN  
Mohd Akhmal Mohd Mustafa



## International Conference on Global Business Management and Economics (ICBMEc 2022)



**Rai Rake Setyawan, Ph.D.**

Conference Chair

The International Conference on Global Business Management and Economics (ICBMEc 2022) aims to bring together leading academic scientists, professors, researchers, students and research scholars to exchange and share their experiences and research results about all aspects of Business (Accounting and Management), Islamic Banking, and Economics.

- Track 1: Finance, Accounting and Corporate Governance
- Track 2: Marketing and Management
- Track 3: Small Medium Enterprises (SME), Hospitality Management and Organization
- Track 4: Public Sector Accounting and Administration
- Track 5: Islamic Banking and Sharia Business
- Track 6: Economic Development and Globalization



## International Conference on Information Technology and Engineering Applications (ICIEAP2022)



**Ika Safitri Windiarti, Ph.D.**

Conference Chair



International Conference on Information Technology and Engineering Applications (ICIEAP2022). This conference invites all potential authors to submit papers in the area of mechanical and industrial engineering, electrical and electronic engineering, civil and architectural engineering, chemical and process engineering, physics and mathematics also computer sciences.

- Track 1: Information Technology
- Track 2: Mechanics, Physics and Mathematics
- Track 3: Construction and Structure Engineering
- Track 4: Manufacturing and Industrial Engineering
- Track 5: Chemical and Process Engineering
- Track 6: Electrical Power, Electronics, Communication, Control and Robotics
- Track 7: Sustainable Built Environment, Architecture Design and Technology

# International Conference on Education and Vocational Education (IEVE2022)



**Nizam Ahsani, Ph.D.**

**Conference Chair**



International Conference on Education and Vocational Education (IEVE2022) focuses on critical issues on education and its challenge to formulate an ideal concept of education and vocational education in the future. Although the boundaries of vocational education and education itself have been clearly identified in terms of theoretical point of views but still lack on practical implementations. In the global competitiveness era, the shift roles of education and vocational education should be able to look foresight on the global needs in order to foster all contributive aspects of nation's competitiveness.

- Track 1: Future Perspectives of Vocational Education in the Globe
- Track 2: Vocational Education Role in Enhancing the Country's Economy
- Track 3: Vocational Education Role in Empowering Society
- Track 4: Enhancing the Education on Golden Age of Indonesia-Malaysia
- Track 5: Education, Technology-Based Teaching and Learning



## International Conference on Islamic Studies and Civilisation (ICISC2022)

**ICISC22**  
INTERNATIONAL CONFERENCE ON ISLAMIC STUDIES AND CIVILISATION

**Assoc. Prof. Sohirin Mohammad.  
Solihin, Ph.D.**

**Conference Chair**



International Conference on Islamic Studies and Civilisation (ICISC2022) is an interdisciplinary academic conference which seeks empirically grounded and multidisciplinary work on Islam and Muslim civilization in the Modern world and beyond. The conference addresses a wide-range of issues, spanning the history of Muslim societies, Quranic studies, exegesis and tradition, Islamic education and dakwah, Muslim politics and social movements, gender justice, and Islamic philanthropy and development

- Track 1. History, Development, Politics and Social Movement
- Track 2. Da'wah, Tradition, Islamic Law, and Social Justice



## **International Conference on Psychology, Humanities and Social Sciences (ICPHS2022)**



**Siti Fatimah, Ph.D.**

Conference Chair



The International Conference on Psychology, Humanities and Social Sciences (ICPHS2022) aims to bring together leading academic scientists, professors, researchers, students and research scholars to exchange and share their experiences and research results about all aspects of Humanities, Psychology and Social Sciences. It also provides the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered and the solutions adopted in the field of Humanities, Psychology, Social Sciences and Laws.

In this conference, you will find a great and friendly community of multinational researchers who are fond of sharing their common experiences.

- Track 1: Psychology
- Track 2: Social Sciences and Humanities
- Track 3: Global Political Strategy and Laws





# Venue

## Offline Presentation :

All ISKA 2022 offline parallel sessions are held at Hotel Seri Malaysia in Kangar Perlis, Malaysia.

## Online Presentation :

For those unable to attend, the presentations are conducted only by Zoom



8101 Mukim Utan Aji, Persiaran Wawasan, 01000  
Kangar, Perlis.



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<https://goo.gl/maps/g3VvbF4J13SWaT8T7>



Online by Zoom



# Schedule Day 1

Monday, 22 August 2022

No

Time  
(GMT +8)

Event

1

08.00- 08:40

- The arrival of delegates and attendees
- Registration

## Opening Ceremony

2

08.40- 09:00

- Opening Session (Emcee),
- Recitation of the holy verses of the Quran
- Malaysia National Anthem Song "Negaraku"
- Indonesia National Anthem Song "Indonesia Raya" • Perlis State Anthem "Amin, Amin,

3

09:00 - 09:05

Welcoming  
Speech by Ir. Waluyo Adi Siswanto,  
M. Eng.,  
Ph.D  
(Rector  
of Universiti Muhammadiyah Malaysia)

## Plenary Session I

4

09:10- 09:15

Moderator:  
Dr. Wachid Ridwan



## Plenary Session I

No	Time (GMT +8)	Event
5	09:20 – 09:40	Letnan Jenderal TNI (Purn.) H. Prabowo Subianto
6	09:45 – 10:05	Prof. Dr. Azyumardi Azra, CBE
7	10:10 – 10:30	Break
8	10:35 – 11:10	The arrival of HRH The Crown Prince Of Perlis and HRH The Crown Princess Of Perlis
9	11:10 – 11:20	Perlis Royal Anthem "Dirgahayu Tuanku" (opening session)  Doa' (opening session)
10	11:25 – 11:40	Keynote Speech by Prof. Dr. K.H. Haedar Nashir, M.Si. (Ketua Umum Pimpinan Pusat Muhammadiyah)
11	11:45 – 12:00	Opening Speech by Dr. (HC) Puan Maharani Nakshatra Kusyala Devi, S.Sos.
12	12:00 – 12:20	Opening Ceremony Speech by HRH The Crown Prince Of Perlis
13	12:20 – 12:40	MoA Signing Ceremony between Universiti Muhammadiyah Malaysia & Perlis State Government
14	12:40 – 12:50	Gift Presentation To HRH The Crown Prince Of Perlis and HRH The Crown Princess Of Perlis
15	12:50 – 13:00	Perlis Royal Anthem Song "Dirgahayu Tuanku" (closing session)
16	13:00 – 14:00	• Break, Lunch and Dhuhr Prayer (1.23 pm) • The departure of HRH The Crown Prince Of Perlis and HRH The Crown Princess Of Perlis



## Plenary Session II

No	Time (GMT +8)	Event
17	14.15 – 14.20	Moderator: Dr. Jebul Suroso, S.Kep. Ns.
18	14.25 – 14.45	Prof. Dato Dr. Mohammad Shatar Sabran
19	14.350– 15.10	Prof. Dr. Dato' Arif Perkasa Dr. Mohd. Asri Zainul Abidin
20	15.15 - 15.35	Prof. Dr. Abdul Mu'ti, M.Ed
21	15.40 - 16.00	Break



## Plenary Session III

No

Time  
(GMT +8)

Event

22

16.05 – 16.10

Moderator: Ali Imaduddin  
Futuwwah, M.SM

23

16.10 – 16.30

Prof. Lincoln Arsyad  
M.Sc., Ph.D

24

16.35 – 16.55

Prof. Dr. Rushami Zien Bin  
Yusoff

25

17.00

End



# Schedule Day 2

**Tuesday, 23 August 2022**

No	Time (GMT +8)	Event
1	07.30- 07:55	<ul style="list-style-type: none"><li>• The arrival of delegates and attendees</li><li>• Registration</li></ul>

2 07.55- 08.00

Remark by Dr. Wachid Ridwan  
(Executive Chairman of ISKA 2022) at  
Angerik 1

## Conference Session

3	08.00-10.45	Session 1
4	10.45-11.00	Break
5	11.00-13.00	Session 2
6	13.00-14.00	Break, Lunch & Duhr
7	14.00-16.00	Session 3
8	16.00-16.15	Break
9	16.15-17.00	Session 4

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Produce scholars and researchers who can serve the global Muslim community (ummah), especially in spreading Islamic knowledge, with the aim of addressing contemporary challenge.

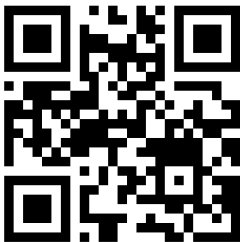


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# Universiti Muhammadiyah Malaysia



## UMAM

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