



# CONFERENCE SCHEDULE

THE 19<sup>TH</sup> INTERNATIONAL CONFERENCE ON KNOWLEDGE MANAGEMENT IN ORGANIZATION

THE 13<sup>TH</sup> INTERNATIONAL WORKSHOP ON LEARNING TECHNOLOGY FOR EDUCATION CHALLENGES

PREPARATORY CENTER FOR SCIENCE AND TECHNOLOGY  
UNIVERSITI MALAYSIA SABAH

**Date** : 4th – 7th August 2025  
**Venue** : Hilton Kota Kinabalu

| Date                                       | Time          | Session Title   |
|--|---------------|---|
| 4 <sup>th</sup> August 2025<br>(Monday)    | 08:00 – 09:00 | Registration and Welcome Coffee   |
|  | 09:00 – 12:00 | Tutorial I: <b>Dr. Sanath Sukumaran</b> , Agile Consultancy, Malaysia<br><i>Embarking on Lean Knowledge Management: Optimising KM for Immediate Returns</i>   |
|  | 12:00 – 13:00 | Lunch Break: Urban Kitchen, Lobby   |
|  | 13:00 – 16:00 | Tutorial II <b>Prof. Dr. Lorna Uden</b> ,, Staffordshire University, UK<br><i>Rethinking Generative AI in Student Assessments</i>   |
| 5 <sup>th</sup> August 2025<br>(Tuesday)   | 07:00 – 08:00 | Registration and Welcome Coffee   |
|  | 08:00 – 10:00 | Opening Ceremony<br>Welcome Address by Conference Chair<br><b>Professor Dr. Lorna Uden</b> , Staffordshire University, UK<br>Opening Speech by<br><b>Professor Datuk Dr. Kasim Hj Mansor</b><br>Vice-Chancellor Universiti Malaysia Sabah<br>Keynote Speech 1: " <i>Co-Piloting Curiosity: Generative AI, Knowledge Management and the Future of Inquiry-Based Teaching and Learning</i> "<br><b>Professor Dr. Thomas Menkhoff</b> , Singapore Management University, Singapore |
|  | 10:00 – 10:30 | Coffee Break  |
|  | 10:30 – 12:00 | KMO Session 1   LTEC Session 1  |
|  | 12:00 – 13:00 | Lunch Break: Urban Kitchen, Lobby   |
|  | 13:00 – 15:00 | KMO Session 2   LTEC Session 2  |
|  | 15:00 – 15:30 | Coffee Break  |
|  | 15:30 – 17:00 | KMO Session 3   LTEC Session 3  |
|  | 18:00 – 21:00 | Conference Dinner: Ballroom 2, Level 2, Hilton Kota Kinabalu  |
|  |               |   |
| 6 <sup>th</sup> August 2025<br>(Wednesday) | 08:00 – 09:00 | Registration and Welcome Coffee   |
|  | 09:00 – 10:00 | Keynote Speech 2: " <i>Using Generative AI to Engage Students: Boon or Bane</i> "<br><b>Professor Dr. Timothy HEW</b> , The University of Hong Kong, Hong Kong  |
|  | 10:00 – 10:30 | Coffee Break  |
|  | 10:30 – 12:00 | KMO Session 4   LTEC Session 4  |
|  | 12:00 – 13:00 | Lunch Break: Urban Kitchen, Lobby   |
|  | 13:00 – 15:00 | KMO Session 5   LTEC Session 5  |
|  | 15:00 – 15:30 | Coffee Break  |
|  | 15:30 – 17:00 | KMO-LTEC Session 6   KMO Session 7  |
| 7 <sup>th</sup> August 2025<br>(Thursday)  | 08:00 – 09:00 | Registration and Welcome Coffee   |
|  | 09:00 – 10:00 | Keynote Speech 3: " <i>Emotion Meets Knowledge Management: A Kansei-inspired Framework</i> "<br><b>Professor Dr. Anitawati Mohd Lokman</b> , Universiti Teknologi MARA, Malaysia.   |
|  | 10:00 – 10:30 | Coffee Break  |
|  | 10:30 – 11:30 | KMO Session 8   |
|  | 11:30 – 12:00 | Closing Ceremony by Local Chair<br><b>Associate Professor Dr. Fauziah Sulaiman</b> , Universiti Malaysia Sabah<br>Presentation of KMO/LTEC 2026   |
|  | 12:00 – 13:00 | Lunch Break: Urban Kitchen, Lobby   |
|  | 13:00 – 17:00 | Half-Day Tour (Outdoor Development Centre)  |



| Name List  | Committee   |
|--|---|
| Professor Datuk Dr. Kasim Hj. Mansor<br>(Vice Chancellor)<br>Professor Ir. Dr. Rosalam Hj. Sarbatly<br>(Deputy Vice Chancellor Research and Innovation)  | Patron  |
| ChM. Dr. Newati Hj. Wid<br>(Director, PPST)<br>Dr. Makdi Masnoddin<br>(Deputy Director Student's Affair & Research, PPST)  | Advisor   |
| Assoc. Prof. Dr. Fauziah Sulaiman<br>Dr. Nurliyana Juhan<br>Dr. Jackson Chang Hian Wui   | Chairman<br>Co-Chairman<br>Deputy Chairman                              |
| Suriana Lasaraiya<br>Nur Sarifarinah Asmuin  | Secretary<br>Deputy Secretary   |
| Awang Jamaludin Jumat<br>Titien Irdianawaty Dabal  | Treasurer<br>Deputy Treasurer   |
| Dr. Eddy Mohd Farid Mohd Yusslee<br>Dr. Che Haziqah Che Hussin   | Lead Scientific & Publication<br>Deputy Scientific & Publication        |
| Azlinah Matawali<br>Dr Mohd Azrul Abdul Rajak<br>Elnetthra Folly Eldy<br>Dr. Muhammad Nur Rashidi bin Rosli<br>Dr. Farah Nadia Omar<br>Dr. Norsahida Azri<br>Dr. Haslinda Mohd Sidek<br>Nur Fadzilah Basri<br>Johannah Jamalul Kiram<br>Asni Tahir<br>Mohd Rafley Abd Rasit<br>Dr. Lusia Moses Barek | Lead Secretariat Committee<br>Deputy Secretariat Committee<br>Committee |
| Siti Hasnah Tanalol<br>Dr. Sitty Nur Syafa Bakri<br>Ts. Dr. Hjh. Fadzilah Ag. Kanak<br>Mohd Affaddil Izmi Roslan   | Lead Promotion & Sponsor<br>Deputy Promotion & Sponsor<br>Committee     |
| Iziana Hani Ismail<br>Uswatun Nurrahmah Noorhassanah<br>Dr. Makdi Masnoddin<br>Dr. Mohd Razali Shamsuddin<br>Dr. Nurliyana Juhan<br>Dr. Jackson Chang Hian Wui<br>Dr. Mohd Norfadli Suardi<br>Jetol Bolongkikit<br>Jonathan Likoh juis   | Lead Protocol Committee<br>Deputy Protocol Committee<br>Committee       |
| Dr. Nur Ramziahrazanah Jumat<br>Dr. Kimberly Anak Ador<br>Queencie Dohny<br>Nur Shahirah Shahbani  | Lead Banquet Committee<br>Deputy Banquet Committee<br>Committee         |



|   |  |
|---|--|
| <p>Dr. Muhammad Nur Rashidi Rosli<br/>Mr. Nelson Yugas<br/>Dr. Mivolil Duinong<br/>Dr. Muhammad Izzuddin Rumaling<br/>Jerry Alexander<br/>Mohd Affendy Abd Razak<br/>Nowel Jeoffery<br/>Bartwolomieus Jalius<br/>Allen Kayner Ongut Majambun<br/>Melvin Adrian Jimoli</p> | <p>Lead Technical &amp; Logistic<br/>Deputy Technical &amp; Logistic<br/>Committee</p> |
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## OPENING CEREMONY

THE 19TH INTERNATIONAL CONFERENCE ON KNOWLEDGE MANAGEMENT IN ORGANIZATION

THE 13TH INTERNATIONAL WORKSHOP ON LEARNING TECHNOLOGY FOR EDUCATION CHALLENGES

PREPARATORY CENTRE FOR SCIENCE AND TECHNOLOGY  
UNIVERSITI MALAYSIA SABAH

**Date** : 5th August 2025 (Tuesday)  
**Time** : 08:00 AM – 10:00 AM  
**Venue** : Hilton Kota Kinabalu

|          |   |   |
|----------|---|---|
| 08:00 AM | : | Arrival of Participants and Invited Guests  |
| 08:10 AM | : | Arrival of Senior Officers of Universiti Malaysia Sabah   |
| 08:15 AM | : | Arrival of <b>YBhg. Prof. Emeritus Dr. Lorna Uden</b><br>Conference Chair, KMO & LTEC 2025  |
| 08:30 AM | : | Arrival of <b>YBhg. Prof. Ir Dr. Rosalam Hj. Sarbatly</b><br>Deputy Vice-Chancellor (Research & Innovation) Universiti Malaysia Sabah   |
| 08:45 AM | : | Arrival of <b>YBhg. Prof. Datuk Dr. Kasim Hj Mansor</b><br>Vice-Chancellor Universiti Malaysia Sabah  |
| 09:00 AM | : | Commencement of Ceremony <ul style="list-style-type: none"> <li>· Singing of the National Anthem '<i>Negaraku</i>' and State Anthem '<i>Sabah Tanah Airku</i>'</li> <li>· Recitation of Prayer</li> <li>· Welcoming Remark by<br/><b>YBhg. Prof. Emeritus Dr. Lorna Uden</b><br/>Conference Chair, KMO &amp; LTEC 2025</li> <li>· Opening Speech by<br/><b>YBhg. Prof. Datuk Dr. Kasim Hj Mansor</b><br/>Vice-Chancellor Universiti Malaysia Sabah</li> </ul> |
| 09:50 AM | : | Photography Session   |
| 10:00 AM | : | End of Ceremony   |

Dress Code: Formal Attire



## CONFERENCE DINNER

THE 19TH INTERNATIONAL CONFERENCE ON KNOWLEDGE MANAGEMENT IN  
ORGANIZATION

THE 13TH INTERNATIONAL WORKSHOP ON LEARNING TECHNOLOGY FOR  
EDUCATION CHALLENGES

PREPARATORY CENTRE FOR SCIENCE AND TECHNOLOGY  
UNIVERSITI MALAYSIA SABAH

**Date** : 5th August 2025 (Tuesday)  
**Time** : 18:30 PM – 21:00 PM  
**Venue** : Hilton Kota Kinabalu

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|          |   |   |
|----------|---|---|
| 18:30 PM | : | Arrival of Participants   |
| 19:00 PM | : | Commencement of Conference Dinner <ul style="list-style-type: none"><li>· Welcome Speech by<br/><b>YBrs. Dr. Nurliyana Juhan</b><br/>Local Host, KMO-LTEC 2025<br/>Preparatory Centre for Science and Technology, Universiti Malaysia Sabah</li><li>· Traditional Dance &amp; Singing Performance</li><li>· Dinner &amp; Networking Session</li></ul> |
| 20:30 PM | : | Housekeeping Notes for the Next Day Programme   |
| 20:45 PM | : | Photography Session   |
| 21:00 PM | : | End of Conference Dinner  |

Dress Code: Smart Casual



## CLOSING CEREMONY

THE 19TH INTERNATIONAL CONFERENCE ON KNOWLEDGE MANAGEMENT IN  
ORGANIZATION

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EDUCATION CHALLENGES

PREPARATORY CENTRE FOR SCIENCE AND TECHNOLOGY  
UNIVERSITI MALAYSIA SABAH

**Date** : 7th August 2025 (Thursday)  
**Time** : 11:30 AM – 12:00 PM  
**Venue** : Hilton Kota Kinabalu

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|          |   |   |
|----------|---|---|
| 10:30 AM | : | Arrival of Participants and Invited Guests  |
| 10:45 AM | : | Arrival of Senior Officers of Universiti Malaysia Sabah   |
| 11:00 AM | : | Arrival of <b>YBrs. Assoc. Prof. Dr. Fauziah Sulaiman</b><br>Local Chair, KMO-LTEC 2025   |
| 11:15 AM | : | Arrival of <b>YBhg. Prof. Emeritus Dr. Lorna Uden</b><br>Conference Chair, KMO & LTEC 2025  |
| 11:30 AM | : | Commencement of Ceremony <ul style="list-style-type: none"><li>· Singing of the National Anthem '<i>Negaraku</i>' and State Anthem '<i>Sabah Tanah Airku</i>'</li><li>· Recitation of Prayer</li><li>· Closing Remarks by<br/><b>YBrs. Assoc. Prof. Dr. Fauziah Sulaiman</b><br/>Local Chair, KMO-LTEC 2025</li></ul> |
| 11:40 AM | : | Award Presentation <ul style="list-style-type: none"><li>· Best Paper &amp; Best Presenter</li><li>· Token of Appreciation for Keynote Speakers</li></ul>   |
| 11:50 AM | : | Photography Session   |
| 12:00 PM | : | End of Ceremony   |

Dress Code: Formal Attire



## Day 1 – August 4, 2025 (Monday)

### Registration

Time: from 8:00 (open during the conference)

Room: Event 1, Level 2

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*Be welcomed and get your name badge and goodie bag!*

### Tutorial I

Time: 09:00–12:00

Room: Event 1, Level 2

**Chair: Prof. Dr. Lorna Uden**

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***Embarking on Lean Knowledge Management: Optimising KM for Immediate Returns***

Sanath Sukumaran

Agile Consultancy, Malaysia

### Tutorial II

Time: 13:00–16:00

Room: Event 1, Level 2

**Chair: Prof. Dr. Lorna Uden**

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***Rethinking Generative AI in Student Assessments***

Prof. Gregory S. Ching

National ChengChi University, Taiwan



Day 2 – August 5, 2025 (Tuesday)

## Opening Ceremony

Time: 08:00–09:10

Room: Vista 1, Level 1

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Welcome Address by Conference Chair

**Professor Dr. Lorna Uden**

Staffordshire University, UK

Officiating Remarks by

**Professor Datuk Dr. Kasim Hj Mansor**

Vice-Chancellor Universiti Malaysia Sabah

## Keynote I

Time: 09:10–10:00

Room: Vista 1, Level 1

Chair: Prof. Dr. Lorna Uden

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***Co-Piloting Curiosity: Generative AI, Knowledge Management and the Future of Inquiry-Based Teaching and Learning***

Prof. Dr. Thomas Menkhoff

Singapore Management University, Singapore

## KMO Session 1

Time: 10:30–12:00

Room: Vista 1, Level 1

Chair: Prof. Dr. Eric Lau

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***Knowledge Representation and Reasoning for Regulatory Compliance in Pharmaceutical Packaging: A Preliminary Study***

Amalia Mukhlas, Shahrinaz Ismail, Bazilah A Talip and Jawahir Che Mustapha Yusuf

***Impact of knowledge sharing in project management***

Paige Lotter, Lieze Louw and Hanlie Smuts

***Testing the Preliminary Model of Enhancing Organizational Memory Through Computer-Based Knowledge Repositories in Failure Learning***

Sanetake Nagayoshi and Jun Nakamura

***A Digital Enterprise Architecture Framework for Supply Chain Transformation: Integrating Knowledge Management and the TOE Framework in the FMCG Industry***

Mira Amielia Jamil, Nur Azaliah Abu Bakar, Surya Sumarni Hussein, Hasimi Sallehudin and Farashazillah Yahya

***The Data Empowerment of Different Stakeholders in Organisations During Digital Transformation***

Kuziwa Mutowo and Hanlie Smuts





## LTEC Session 1

Time: 10:30–12:00

Room: Vista 2, Level 1

Chair: *Dr. Madonna Palmes*

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### ***AI-Driven Corrective Feedback for Low-Proficiency Learners: A Study on Writing Skill Development***

Watcharapol Wiboolyasarin, Tipawan Kiti, Kanokpan Wiboolyasarin, Phornrat Tiranant and Nattawut Jinowat

### ***Automatic Text Mining System extracts notes into quiz (OtoNotes to Quiz)***

Jian Feng, Lorna Uden, Vinothini Kasinathan, Aida Mustapha and Zhenfeng Liu

### ***Understanding the potential benefits of GenAI in Educational Institutions***

Dario Liberona and Aravind Kumaresan

### ***Examining Attitudes of Turkish Pre-Service Teachers towards Artificial Intelligence***

Ridvan Ata and Muhammed Mustafa Alpaslan

### ***Bridging the Gap between English Language Learning and STEM Education: Addressing Challenges for Global Competitiveness in Malaysia***

Karmila Rafiqah M. Rafiq, Harwati Hashim, Melor Md Yunus and Fetylyana Nor Pazilah

## KMO Session 2

Time: 13:00–15:00

Room: Vista 1, Level 1

Chair: *Prof. Dr. Yun Wang*

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### ***Product Repurchase Decision in the Offline-to-Online Business Model: A Mental Accounting Theory Perspective***

Hui Min Lai and Pi-Jung Hsieh

### ***The Impact of Telework on Subjective Well-Being and Knowledge Management Among Aging Workers in Japan and the United States: A Conceptual Framework***

Remy Magnier-Watanabe

### ***Exploration into the Digital Skill Development Needs and Challenges of Older Workers (Case study of Slovak ageing work force)***

Anetta Čaplánová and Ľubomír Darmo

### ***Enterprise Architecture Readiness and Knowledge Management Integration: A Case Study of the Ministry of Rural and Regional Development***

Surya Sumarni Hussein, Rohaizan Daud, Nur Azaliah Abu Bakar and Hazmi Rohaini Makhtar

### ***The Role of Perceived Value between Website Service Quality on consumer satisfaction: The case of Asian Creative Website Pinkoi***

Yun Wang



## LTEC Session 2

Time: 13:00–15:00

Room: Vista 2, Level 1

Chair: Prof. Dr. Dario Liberona

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### ***Enhancing Cybersecurity Education Through Gamified Learning and Capture the Flag (CTF) Platform***

Chen Lik Ken , Julia Juremi, Shahab Alizadeh and Salasiah Sulaiman

### ***Exploring Pre-University Students' Experiences with iON-PBL Module of Physics: A Qualitative Perspective on Motivation and Problem-Solving Skills***

Elnetthra Folly Eldy, Fauziah Sulaiman and Mohd Zaki Ishak

### ***Innovating TESL Education: A Rasch Analysis of Digital Pedagogy in the Modified TPACK Framework***

Fetylyana Nor Pazilah, Harwati Hashim, Melor Md Yunus and Karmila Rafiqah M. Rafiq

### ***Between Textbooks and Joysticks: Investigating the Potential of Video Games in Self-Directed Learning***

Lukas Spreitzer, Teresa Spiess, Stephan Schlögl, Willemijn van Kooten and Luka Pavlic...

### ***Researching students' attitude and use of AI chatbots: a two-year study***

Tina Beranič, Luka Pavlič and Marjan Heričko

## KMO Session 3

Time: 15:30–17:00

Room: Vista 1, Level 1

Chair: Dr. Magdalena Marczevska

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### ***Design of Human-Machine Collaboration for Industry 5.0***

Zhenfeng Liu, Lorna Uden, Vinothini Kasinathan and Jian Feng

### ***Advancing Sustainability Through Innovation: Best Practices for Food Industry Companies***

Magdalena Marczevska and Dorothy Bhebhe

### ***Competence and Satisfaction in Delivery Room Simulation-Based Learning Among Nursing Students: A State University Experience***

Madonna S. Palmes, Gregory S. Ching, Nicole Anthonette R. Bañas, Keith Danielle M. Bañes, Leanne B. Baron, Mecca Ella Y. Barrios and Regine Grace C. Bermudo

### ***Enhancing Sustainability practices in higher Education through Knowledge Management approaches***

Dario Liberona, Aravind Kumarasen, Thomas Lauer and Marcel Rother

### ***Text Mining on Linked Open Data for News Classification***

Chun-An Chen, Hsin-Chang Yang and Chia-Kai Lai



## LTEC Session 3

Time: 15:30–17:00

Room: Vista 2, Level 1

Chair: Dr. Tina Beranic

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***Performance Analysis of Simulation-based Laboratory Teaching on Topics Related to Polymerase Chain Reaction Among Pre-University Students***

Makdi Masnoddin, Nurliyana Juhan and Shyafina Soleha Mohd Afendi

***Preserving the Koo Textile of Sangihe-Talaud in a Vertical Chatbot***

Vinothini Kasinathan, Aida Mustapha and Lyon Sebastian Wibowo

***Game-Based Learning and Mobile Learning: An Umbrella Review on Pedagogical Foundations and Outcomes***

Roberto Vallejo-Imbaquingo, Rafael Villacrés and Angel Torres-Toukourmidis

***Unpacking Educational Hybrid Games***

Mohamad Firdaus Che Abdul Rani, Nor Hafizah Adnan, Ahmad Zamri Mansor and Melor Md Yunus

## Conference Dinner

Time: 18:00–20:00

Meeting Point: Ballroom 2, Level 2

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## Day 3 – August 6, 2025 (Wednesday)

### Keynote II

Time: 09:00–10:00

Room: Vista 1, Level 1

Chair: Prof. Dr. Lorna Uden

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#### ***Using generative AI to engage students: Boon or bane?***

Prof. Dr. Timothy Hew

University of Hong Kong, Hong Kong

### KMO Session 4

Time: 10:30–12:00

Room: Vista 1, Level 1

Chair: Prof. Dr. Anne-Maria Aho

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#### ***Exploring Students' Perceptions of Co-Curricular Educational Excursions as a Form of Experiential Learning: A Case Study***

Tjaša Heričko, Tina Beranič and Marjan Heričko

#### ***Assessing the Effect on Management Education for the Nursing Staff in Elderly Care Facilities***

Kazunori Minetaki, Akito Uno and I-Hsien Ting

#### ***A Knowledge Management-Driven Framework for Strengthening Social Engineering Awareness in Public Sector Cybersecurity***

Nur Azaliah Abu Bakar, Kavita Sekaran, Surya Sumarni Hussein, Hasimi Sallehudin and Farashazillah Yahya

#### ***Research and Development Dynamics in Functional Materials: A Comparison Case Study of Compound Semiconductor Technology through Network Analysis***

Hideki Hayashida and Hiroki Funashima

#### ***Staff Nurses' Knowledge and Perception of Quality Management Systems: Insights for Enhancing Knowledge Management in Healthcare***

Cesar Q. Tronco, Madonna S. Palmes and Gregory S. Ching

#### ***Investigating the Relationship Between Mental Health and Physical Activity: Insights from PHQ-9 and IPAQ Data***

Dg Siti Nurisya Sahirah Ag Isha, Nurliyana Juhan, Mohammad Zahirul Hoque, Yong Zulina Zubairi and Abu Sayed Md. Al Mamun



## LTEC Session 4

Time: 10:30–12:00

Room: Vista 2, Level 1

Chair: Prof. Dr. Victor Hugo Medina

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### ***Preliminary Findings on the Impact of Learn-Before Lecture (LBL) in Improves Students Learning for Fundamental Physics Among Pre-University Student***

Siti Nazirah Butai, Johannah Jamalul Kiram, Huzaikha Awang, Megawati Mohd Yunus and Azlinah Matawali

### ***Advancing Sustainability in Higher Education***

Rouhollah Khodabandelou and Ridvan Ata

### ***Internal Consistency, Cross-Cultural Validity, and discrimination validity of the TECO-D in Medical, Imaging and Radiotherapy Radiology Techniques at the “Sapienza” University of Rome: a cross-sectional study***

Andrea Marini Padovani, Anna Berardi, Rachele Simeon, Emanuele Amadio, Francescaroberta Panuccio, Ilaria Ruotolo, Federico Tabarrini, Stefano De Dalt, Donatella Valente and Giovanni Galeoto

### ***Gamification and knowledge management model for corporate learning in sustainability development***

Victor Hugo Medina Garcia, Viviana Idaly Suárez and Gabriel Ricardo Ballen

## KMO Session 5

Time: 13:00–15:00

Room: Vista 1, Level 1

Chair: Assoc. Prof. Dr. Vinothini Kasinathan

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### ***A Literature Review of Hindering Factors in Digital Transformation Processes***

Andrè-Paul Widera, Christian Ploder, Thomas Dilger and Reinhard Bernsteinier

### ***Knowledge-based Multi-Agent Reinforcement Learning for Ambiguity Mitigation in Course Moderation Process***

Shahrinaz Ismail, Huzaifah Ismail, Nordiana Jamaludin and Nor Azizah Hitam

### ***Design Principles for Human-AI Collaborative Knowledge Service Systems***

Wen-Cheng Shen, Fu-Ren Lin, Yi-Hsuan Yang and Wei-Chen Wang

### ***Constituents of Productivity in Information Systems Work Environments: A Conceptual Model***

Annie Mare and Hanlie Smuts

### ***Enhancing Governance and Financial Systems: Evaluating the Impact of PromptPay in Thailand***

Aweewan Panyagometh, Marisa Laokulrach and Anetta Čaplánová



## LTEC Session 5

Time: 13:00–15:00

Room: Vista 2, Level 1

Chair: Assoc. Prof. Dr. Fauziah Binti Sulaiman

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### ***Analysis of the Ceiling Effect in the Disciplinary Test of Competencies (TECO-D) Physiotherapy Test: a cross sec-tional study***

Ilaria Ruotolo, Anna Berardi, Francescaroberta Panuccio, Emanuele Amadio, Donatella Valente, Andrea Marini Padovani, Rachele Simeon and Giovanni Galeoto

### ***Validation of the Test of Trasversal Competencies (TECO-T) in Healthcare students form Sapienza University of Rome***

Giovanni Galeoto, Rachele Simeon, Donatella Valente, Andrea Marini Padovani, Ilaria Ruotolo, Emanuele Amadio, Francescaroberta Panuccio and Anna Berardi

### ***Reliability and Validity of the TECO-D in Biomedical Laboratory Science Students at Sapienza University of Rome”: A Cross-Sectional Study***

Andrea Marini Padovani, Anna Berardi, Francescaroberta Panuccio, Ilaria Ruotolo, Tiziana Galai, Rachele Simeon, Emanuele Amadio, Donatella Valente and Giovanni Galeoto

### ***Assessing Secondary Students’ Awareness of STEM***

Kamsia Budin, Siti Rahayu Mohd. Hashim, Masdia Budin, Hafrizal Jilin and Fauziah Sulaiman

### ***AI-Driven Forecasting of Tuberculosis Cases: Enhancing Medical Education with Predictive Learning Models***

Suriana Lasaraiya, Suzelawati Zenian, Risman Mat Hasim and Azmirul Ashaari

## KMO - LTEC Session 6

Time: 15:30–17:00

Room: Vista 1, Level 1

Chair: Prof. Dr. Fu-Ren Lin

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### ***Unveiling the Hidden: Strategic Knowledge Management Tactics for Effective Dark Data Governance and Utilization***

Hanlie Smuts

### ***Value Creation through AI: Transforming Higher Education Institutions***

Anne-Maria Aho

### ***Technological Platform for the delivery of Additional Learning Requirements (ALRs): a Pilot Study by Sapienza University of Rome***

Francescaroberta Panuccio, Anna Berardi, Rachele Simeon, Emanuele Amadio, Donatella Valente, Andrea Marini Padovani, Ilaria Ruotolo and Giovanni Galeoto

### ***BoomMapper: An Innovative Web-Based System for Transforming PowerPoint Presentations into Mind Maps***

Coey Low, Vinothini Kasinathan and Aida Mustapha

### ***AI Applications in Education: Enhancing Human Creativity Through Collaborative Design***

Oluwagbemiga Paul Agboola and Yasni Nurul Huda Mohd Yassin



## KMO Session 7

Time: 15:30–17:00

Room: Vista 2, Level 1

Chair: Prof. Dr. Kazunori Minetaki

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### ***Economic Development Mechanisms: Community Resources***

Suppanunta Romprasert, Thanapat Romprasert and Danai Tanamee

### ***Deep Learning-Based Image Recognition for Soft-Shell Shrimp Classification***

Yun Hao Zhang, I-Hsien Ting, Dario Liberona, Yun-Hsiu Liu and Kazunori Minetaki

### ***Using Augmented Reality for Work Instructions: The Impact on Throughput Time, Error Rate and Cognitive Load***

Lukas Platter, Reinhard Bernsteiner, Michael Kohlegger and Christian Ploder

### ***Exploring Knowledge & Technology Landscape of AI and Neurotechnology: A Bibliometric and Patent Analysis***

Fitri Aprilianty, Masakazu Takahashi and Yoshiyuki Matsuura



## Day 4 – August 7, 2025 (Thursday)

### Keynote III

Time: 09:00–10:00

Room: Vista 1, Level 1

**Chair: Prof. Dr. Lorna Uden**

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#### ***Emotion Meets Knowledge Management: A Kansei-inspired Framework***

Prof. Dr. Anitawati Mohd Lokman

Universiti Teknologi MARA (UiTM), Malaysia

### KMO Session 8

Time: 10:30–12:00

Room: Vista 1, Level 1

**Chair: Prof. Dr. Hanlie Smuts**

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#### ***Splitting User Stories Into Tasks with AI - A Foe or an Ally?***

Luka Pavlič, Reinhard Bernsteiner, Stephan Schölgl and Christian Ploder

#### ***Data Center KPI Prediction Based on Convolutional Block Attention and Frequency Domain Augmentation***

Houchun Xu, Ran Tao, Qinglan Luo, Xia Shang and Xin Luo

#### ***The artificial intelligence revolution: Will your policy leave your employees behind?***

Dominik Beck and Christian Ploder

#### ***Development of AI-Based Smart City Applications***

Eric Kin Wai Lau

#### ***LWUE: An Unsupervised Entity Alignment Method Based on Self-Structural Gain Propagation***

Feng Xiangyang and Liu Zilei

### Closing Ceremony & Presentation of KMO/LTEC 2026

Time: 12:00–12:30

Room: Vista 1, Level 1

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#### ***Assoc. Prof. Dr. Fauziah Sulaiman***

Universiti Malaysia Sabah

#### ***Prof. Dr. Lorna Uden***

Staffordshire University, UK

### Half-Day Tour (ODEC, Outdoor Development Centre).

Time: 13:00-17:00

Meeting Point:

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