



UUM
Universiti Utara Malaysia



Program Book

11th Knowledge Management International Conference

"Embracing Digital Acceleration & Social Innovation in Knowledge Management"

2 & 3 October 2024

Pulse Grande Hotel, Putrajaya, MALAYSIA



PROGRAM BOOK

KNOWLEDGE MANAGEMENT INTERNATIONAL CONFERENCE 2024

(KMICe2024)

**“Embracing Digital Acceleration & Social Innovation in Knowledge
Management”**

2 & 3 October 2024

Pulse Grande Hotel, Putrajaya, Malaysia

CONTENT	PAGE
MESSAGE FROM THE VICE-CHANCELLOR.....	1
MESSAGE FROM THE ASSISTANT VICE-CHANCELLOR OF UUM COLLEGE OF ARTS & SCIENCES.....	2
MESSAGE FROM KMICe2024 CHAIRMAN	3
BIOGRAPHY OF SPEAKERS	4
PROGRAM OVERVIEW	6
PARALLEL SESSIONS.....	9
ORGANIZING COMMITTEE	15
TECHNICAL COMMITTEE	17
SUPPORTING PARTNER.....	18

MESSAGE FROM THE VICE-CHANCELLOR



PROF. DATO' DR. MOHD FO'AD SAKDAN
Vice-Chancellor
Universiti Utara Malaysia

Assalamualaikum warahmatullahi wabarakatuh and Salam Sejahtera

Welcome to the 11th Knowledge Management International Conference. It is a privilege to join you as we gather to explore the future of knowledge management at the intersection of innovation and technology. I extend my sincere congratulations to the School of Computing at Universiti Utara Malaysia for organizing this significant event, which remains a key forum for professionals and academics in the field.

This theme for this year, "Embracing Digital Acceleration & Social Innovation in Knowledge Management," is both timely and essential given the unprecedented scale of data generation, the rapid evolution of technology, and the instantaneous movement of information. Knowledge management plays a critical role in harnessing these advancements.

Artificial intelligence is transforming the way we manage knowledge, providing tools to analyse vast datasets, uncover patterns, and automate processes. However, the power of AI brings the responsibility to manage knowledge ethically and to ensure it enhances, rather than replaces, human capabilities. AI-driven systems can refine and curate information, ensuring the right knowledge reaches the right people at the right time. This fosters better decision-making, drives innovation, and enhances organizational agility in a rapidly changing environment. Understanding the interplay between technology, people, and processes is essential for success.

As we move forward, social innovation is crucial. Knowledge management must extend beyond traditional environments, supporting communities and addressing global challenges like inequality, climate change, and food security. Social innovation in knowledge management is about creating inclusive systems that promote societal well-being and leveraging knowledge for progress.

Over the course of this conference, I am confident that the sessions and discussions will inspire new ideas and collaborations. I commend Universiti Utara Malaysia and the School of Computing for their dedication to advancing the field of Knowledge Management. I wish all participants a fruitful and enlightening experience. May this conference spark new ideas and innovations that shape the future of Knowledge Management in the digital age.

Thank you.

MESSAGE FROM THE ASSISTANT VICE-CHANCELLOR OF UUM COLLEGE OF ARTS & SCIENCES



PROF. DR. OSMAN GHAZALI
Assistant Vice-Chancellor
UUM College of Arts & Sciences
Universiti Utara Malaysia

Bismillahirrahmanirrahim
Assalamualaikum warahmatullahi wabarakatuh and Good Day,

It is an honour for me to welcome you to the 11th Knowledge Management International Conference (KMICe2024) at Pulse Grande Hotel, Putrajaya Malaysia. This conference provides a platform for local and international students, researchers, academia, and industry players to share and promote their research works that are related to the conference theme "Embracing Digital Acceleration & Social Innovation in Knowledge Management".

This conference will bring together experts from both academic and industrial fields to build stronger partnerships and collaborate towards creating a knowledge-based society grounded in IR 4.0 technology, in line with the goals projected in Society 5.0. The theme of KMICE 2024 also focuses on the integration of knowledge management with innovation in today's digital world. By utilizing technologies such as AI and IoT, this collaboration aims to create a future where technology can improve our daily lives and make society smarter without losing human values, and more importantly, not just as users but as creators of technology.

To ensure that the conference proceedings are of the highest quality, all articles have undergone the peer review process conducted by local and international reviewers. This conference will benefit not just the knowledge management research community but also many others by supporting the goals of Society 5.0 and encouraging an AI-focused culture. By combining technology with human values, it will help create new solutions that advance research and have practical uses, making a positive impact in different areas.

I would like to take this opportunity to thank the organizing committee, the keynotes speakers, invited speakers, presenters, participants, all attendees, and the sponsors for their endless support in ensuring the success of this conference.

I hope that this conference will be able to provide valuable information as well as unforgettable experiences to all of you. Do have an enjoyable stay in Pulse Grande Hotel, Putrajaya Malaysia.

Thank you.

MESSAGE FROM THE KMICe2024 CHAIRMAN



ASSOC. PROF. DR. HASLINA MOHD
KMICe2024 Chairman
School of Computing
UUM College of Arts & Sciences
Universiti Utara Malaysia

Assalamualaikum warahmatullahi wabarakatuh,

It is with great pleasure that we welcome you to the 11th Knowledge Management International Conference (KMICe2024). We extend our heartfelt congratulations to all participants who have been accepted to present their research and project findings at this esteemed conference. Your dedication and hard work in advancing the field of knowledge management are commendable, and we are excited to provide a platform for you to share your insights and innovations.

The theme of KMICe2024 centers on embracing digital acceleration and fostering social innovation within the knowledge management domain. This conference aims to facilitate meaningful discussions on the pressing issues, challenges, and opportunities that arise as we navigate this rapidly evolving landscape. As we delve into these topics, we will explore how digital acceleration can be effectively integrated into our communities, enhancing our ability to manage and leverage knowledge in an increasingly digital world.

Academics and industry practitioners play pivotal roles in realizing the mission of embracing digital acceleration. By collaborating and sharing their expertise, they can drive the development of innovative solutions that address the needs of our communities. This partnership is essential for creating an environment where knowledge can be harnessed to foster growth, efficiency, and resilience.

Moreover, triggering social innovation within our communities is a critical aspect of our discussions at KMICe2024. We will examine how both academics and industry players can contribute to this endeavor by identifying and addressing societal challenges through knowledge management practices. By leveraging their unique perspectives and resources, they can inspire transformative change that benefits not only individuals but also the broader community.

As we embark on this journey together, we encourage all participants to engage actively, share their experiences, and collaborate with one another. The insights gained from this conference will undoubtedly contribute to the advancement of knowledge management practices and the realization of a more innovative and digitally empowered society.

Thank you for being a part of KMICe2024. We look forward to having an inspiring and productive conference.

BIOGRAPHY OF SPEAKERS



Keynote Speaker

PROF. DR. AZURALIZA ABU BAKAR

**Faculty of Information Science and Technology
Universiti Kebangsaan Malaysia**

Dr. Azuraliza Abu Bakar is a Professor of Data Mining at the Faculty of Information Science and Technology at Universiti Kebangsaan Malaysia (UKM), a position she has held since 2011. She completed her PhD in Artificial Intelligence at Universiti Putra Malaysia in 2002. Over the years, she has held several leadership roles, including Head of the System and Information Science Department (2008–2010), Head of the Center for Artificial Intelligence Technology (2010–2013), and Deputy Dean of Research and Innovation (2013–2018).

Currently, she leads the Data Mining and Computational Intelligence Research Group and is a principal researcher at the Data Mining and Optimization Lab. She is also an Associate Researcher at the Sentiment Analysis Lab and Associate Fellow at the Institute of 4IR UKM. Her research centers around Data Analytics, Artificial Intelligence, Rough Set Theory, Feature Selection Algorithms, Nature-Inspired Computing, and Social Network Analysis. She has led 16 research projects and been part of 42 other projects, notably heading LAB40: Living Analytics for Enhancing the B40's Wellbeing Program, focusing on improving the well-being of disadvantaged groups.

Dr. Azuraliza has supervised 30 completed and 8 ongoing PhDs, along with over 50 MSc and BSc students. She has been an external examiner for 40 PhD candidates and authored 208 Scopus-indexed articles, including 120 WOS papers, 6 research books, and 50+ research proceedings. She teaches courses like Advanced AI, Data Mining, Data Science Fundamentals, and Machine Learning.

Nationally, she has been appointed as a Visiting Professor at Universiti Tun Hussein Onn (2024–2026) and served on the National Action Council for Cost of Living (NACCOL) (2018–2020) and various technical committees. Dr. Azuraliza has contributed to program development for universities across Malaysia in Data Science, AI, and Intelligent Systems programs and has served on several national and international evaluation panels.



Invited Speaker

MR. MOHD ZULHISHAM BIN MOHD RADZI

Rock Herbs Ind. Sdn. Bhd.

Perlis

Mohd Zulhisham Mohd Radzi holds a Bachelor's Degree in Electrical Systems Engineering from Universiti Malaysia Perlis (UniMAP), completed in 2008, and a Master's Degree in Electrical Engineering from Universiti Tun Hussein Onn Malaysia (UTHM), earned in 2013. His career began as an Electrical Engineer at SEM Dynamics Engineering Sdn Bhd in 2008, after which he transitioned to a role as a Vocational Training Officer at UniMAP, a position he has held since 2008. In addition to his academic role, he became the Digital Team Leader at Rockherbs Industries Sdn Bhd in 2022, where he oversees planning digital strategies and initiatives.

PROGRAM OVERVIEW

DAY 1 – WEDNESDAY 2 nd OCTOBER 2024			
08.00 am - 09.00 am	Registration		
09.00 am – 10.20 am	Parallel Session A		
	Session A1: Blockchain with Knowledge Management & Knowledge Management and Big Data	Session A2: Artificial Intelligence with Knowledge Management	Session A3: Knowledge Management & Practices
	Chairperson: Assoc. Prof. Nur Haryani Zakaria	Chairperson: Ts. Dr. Juhaida Abu Bakar	Chairperson: Dr. Mohd. Adan Omar
	Session A1 PID37 PID42 PID91 PID95	Session A2 PID36 PID50 PID66 PID68	Session A3 PID4 PID76 PID83
10.20 am – 11.00 am	Refreshment		
11.00 am – 12.20 pm	Parallel Session B		
	Session B1: Blockchain with Knowledge Management & Knowledge Management and Big Data	Session B2: Artificial Intelligence with Knowledge Management	Session B3: Knowledge Management & Practices
	Chairperson: Prof. Dr. Fauziah Baharom	Chairperson: Assoc. Prof. Dr. Yuhanis Yusof	Chairperson: Assoc. Prof. Wan Hussain Wan Ishak
	Session B1 PID103 PID93 PID69	Session B2 PID86 PID92 PID65	Session B3 PID97 PID63 PID75 PID79
12.20 pm – 02.00 pm	Luncheon		

	OPENING CEREMONY		
2.30 pm. – 2.40 pm	Welcoming Remarks <ul style="list-style-type: none"> • Doa recitation • NegaraKu and Biru Warna Anthem 		
2.40 pm – 2.50 pm	KMICe 2024 Remarks by Conference Chair Assoc. Prof. Dr. Haslina Mohd		
2.50 pm – 3.10 pm	KMICe2024 Officiation by YBhg. Prof. Dato' Dr. Mohd Fo'ad Sakdan, Vice-Chancellor, Universiti Utara Malaysia		
3.10 pm – 3.20 pm	Best Paper Award Ceremony		
3.20 pm – 4.00 pm	Keynote Speaker: YBrs. Prof. Dr. Azuraliza Abu Bakar, Universiti Kebangsaan Malaysia, Malaysia Title: Learning User Behaviours in Online Social Network: Impact of Influential Users in Community Detection		
4.00 pm – 4.40 pm	Invited Speaker: YBrs.Mr. Mohd Zulhisham bin Mohd Radzi, Rock Herbs Ind..Sdn. Bhd. Title: A Journey towards digital transformation of the Rock Herbs Company		
4.40 pm – 5.15pm	Refreshment		
DAY 2 – THURSDAY 3rd OCTOBER 2024			
8.30 am - 9.00 am	Registration		
9.00 am – 10.20 am	Parallel Session C		
	Session C1: Knowledge Management & Mobile Technologies and Innovation Chairperson: Dr. Juliana Wahid	Session C2: Cybersecurity & Knowledge Management Chairperson: Dr. Syahida Hassan	Session C3 (Virtual): Chairperson: Dr. Fazli Azzali

	Session C1 PID28 PID43 PID51 PID60	Session C2 PID55 PID67 PID80 PID47	Session C3 PID16 PID18 PID29 PID33
10.20 am – 11.00 am	Refreshment		

	Parallel Session D		
11.00 am – 12.20 pm	Session D1: Knowledge Management & Mobile Technologies and Innovation Chairperson: Dr. Hapini Awang	Session D2: Cybersecurity & Knowledge Management Chairperson: Ahmad Hanis Mohd. Shabli	Session D3 (Virtual): Chairperson: Dr. Baharuddin Osman
	Session D1 PID53 PID54 PID62 PID96	Session D2 PID77 PID87 PID38 PID25	Session D3 [Virtual] PID48 PID40 PID78 PID52
12.20 pm – 02.00 pm	Luncheon		

PARALLEL SESSIONS

PARALLEL SESSIONS A

PARALLEL SESSION A1

Blockchain with Knowledge Management & Knowledge Management and Big Data

Chairperson: Assoc. Prof. Nur Haryani Zakaria

9.00 a.m. - 10.20 a.m.	PID37	A SYSTEMATIC LITERATURE REVIEW ON WASTE DATA IN HETEROGENEOUS DATA INTEGRATION <i>Mohamad Noor, Fauziah Baharom, and Haslina Mohd</i>
	PID42	LEVERAGING DEEP LEARNING FOR ENHANCING BLOCKCHAIN SMART CONTRACT SECURITY: A SYSTEMATIC LITERATURE REVIEW <i>Zhyar Yassin Abdalla, Mohammed Nawzad M.Ramzi, Mohammed Alsamman, and Nur Haryani Zakaria</i>
	PID91	FRAMEWORK FOR INTEGRATING BLOCKCHAIN INTO KNOWLEDGE MANAGEMENT SYSTEMS FOR ACADEMIC CREDENTIALS <i>Omar S. Saleh, Osman Ghazali, Norbik Bashah Idris, and A.V. Senthil Kumar</i>
	PID95	ORGANIZATION INTELLIGENCE AND ENERGY CRISIS MANAGEMENT: A CASE OF JORDAN <i>Ata Mousa Tayel Alsheyyab, Fadhilah Mohd Zahari, and Ezanee Mohamed Elias</i>

PARALLEL SESSION A2

Artificial Intelligence with Knowledge Management

Chairperson: Ts. Dr. Juhaida Abu Bakar

9.00 a.m. - 10.20 a.m.	PID36	PREDICTION OF RICE YIELDS IN A CHANGING CLIMATE USING MOBILE RICE YIELD PREDICTION SYSTEM <i>Mohamad Farhan Mohamad Mohsin, Mohamad Ghozali Hassan, Kamal Imran Mohd Sharif, Mohd Azril Ismail, Liew Jun Hong, Muhamad Khalifa Umana, and Hairazi Rahim@Abdul Rahim</i>
	PID50	SUPPLY AND DEMAND ANALYSIS IN BRIDGING THE GAP OF GRADUATE EMPLOYABILITY IN MALAYSIA THROUGH JOBSTREET DATA AND TIKTOK INSIGHTS <i>Chan Pui Yee, Chong Kai Zhi, Ruziana Mohd Rasli, Nor Hazlyna Harun, Mohamad Ali Saip, Ong Hong Kai, and Ho Jun Han</i>
	PID66	MALAYSIA RICE YIELD PREDICTION USING SYNTHETIC DATA GENERATION OF CTAB-GAN <i>Muhamammad Khalifa Umana, Mohamad Farhan Mohamad Mohsin, Mohamad Ghozali Hassan, Kamal Imran Mohd Sharif, Mohd Azril Ismail, and Maslina Ismail</i>
	PID68	SCALABLE BIG DATA ARCHITECTURE: IMPROVING DATA MANAGEMENT AT MOHE <i>Zhamri Che Ani, Fauziah Baharom, Haslina Mohd, Yuhanis Yusof, and Mohamed Ali Saip</i>

PARALLEL SESSION A3		
Knowledge Management & Practices		
Chairperson: Dr. Mohd. Adan Omar		
9.00 a.m. - 10.20 a.m.	PID4	MALAYSIAN UNDERGRADUATE STUDENTS' ACCEPTANCE OF DISCORD AS A LEARNING MANAGEMENT SYSTEM IN A HYFLEX COURSE <i>Liang Jing Teh, Su Luan Wong, Mohd Zariat Abdul Rani, Mas Nida Md Khambari, and Sai Hong Tang</i>
	PID76	SHARING INSIGHTS ON LEARNING DIFFICULTIES IN INTRODUCTORY PROGRAMMING COURSES: A PRELIMINARY STUDY AMONG UNDERGRADUATE STUDENTS <i>Asmalinda Adnan, Nur Hafiza Jamaludin, and Rohaida Romli</i>
	PID83	TREND ANALYSIS IN KNOWLEDGE MANAGEMENT PRACTICE: THEORETICAL AND INDEX KEYWORDS INSIGHTS(2000-2024) <i>Mohd Adan Omar and Ammber Nosheen</i>

PARALLEL SESSIONS B

PARALLEL SESSION B1		
Blockchain with Knowledge Management & Knowledge Management and Big Data		
Chairperson: Prof. Dr. Fauziah Baharom		
	PID103	AN EXPLORATORY STUDY ON DATA INTEGRATION OF HETEROGENEOUS HIGHER EDUCATION TOWARDS BIG DATA PREPARATION <i>Fauziah Baharom, Nurul Asshura Mohamad Suyutey, Muhammad Noor, Haslina Mohd, Yuhanis Yusof, Shafinah Farvin Packeer Mohamd, and Salwati Badroddin</i>
	PID93	HEY ANAK MALAYSIA! JOM BERMAIN: A CULTURE CULTIVATION KNOWLEDGE EDUCATIONAL GAME <i>Nor Farzana Abd Ghani and Muhamammad Ihsan Akif Anuar</i>
	PID69	RESEARCH TRENDS IN BLOCKCHAIN AND SMART CONTRACTS FOR ARGICULTURE: A BIBLIOMETRIC ANALYSIS <i>Baharudin Osman, Hapini Awang, Nur Suhaili Mansor, Alawiyah Abd Wahab, Osman Ghazali, Idah Pindai Zengeni, Kalthom Husain, Hisham Anand Barbhuiya, and Bahiah Ab Malek</i>

PARALLEL SESSION B2		
Artificial Intelligence with Knowledge Management		
Chairperson: Assoc. Prof. Dr. Yuhanis Yusof		
11.00 a.m. - 12.20 p.m	PID86	BINARY-BASED CLASSIFICATION MODELS FOR MALAYSIAN GRADUATES EMPLOYMENT ANALYSIS <i>Yuhanis Yusof, Fauziah Baharom, Nuratikah Jamaludin, and Salwati Badroddin</i>
	PID92	HUMAN-CENTRIC APPROACH TO ENHANCING CHARISMA DETECTION IN SPEECH THROUGH ADAPTIVE DEEP LEARNING MORNING MODEL <i>Lee Qi Zun, Mohamad Sabri Bin Sinal@Zainal and Yuhanis Yusof</i>
	PID65	UNDERWATER IMAGE SEGMENTATION FOR EARLY DETECTION OF WHITE SPOT DISEASE IN FISH: EVALUATING MULTIPLE TECHNIQUES FOR ENHANCED AQUACULTURE MANAGEMENT <i>Nor Hazlyna Harun, Mohamad Ghozali Hassan, Juhaida Abu Bakar, Fazli Azali, and Nur Syafiqah Suhiman</i>

PARALLEL SESSION B3		
Knowledge Management & Practices		
Chairperson: Assoc. Prof. Wan Hussain Wan Ishak		
11.00 a.m. - 12.20 p.m.	PID97	KNOWLEDGE ENGINEERING APPROACH IN EARLY DETECTION OF OAK WILT DISEASE <i>Nur Azzah Abu Bakar, Aniza Mohamed Din, Lam Hui Shan, Ho Yi Xin, and Kam Weng Kee</i>
	PID63	A COLLABORATIVE KNOWLEDGE PORTAL MODEL FOR PADDY FARMING IN SOUTHEAST ASIA <i>Fadhilah Mat Yamin, Wan Hussain Wan Ishak, Noor Hidayah Abu, Zakirah Othman, Arif Imam Suroso, Febriantina Dewi, Lokita Rizky, Khariyah Kamilla, and Hansen Tandra</i>
	PID75	GREEN MINDS: A DIGITAL RECYCLING TOOLKIT TO EMPOWER WOMEN AND CHILDREN <i>Jhamie Tetz Infante-Mateo, Musyrifah Mahmud, Suwannit Chareen Chit, and Conchita La Madrid-Palencia</i>
	PID79	ADVANCING THE EFFECTIVENESS OF AUTOMATED PROGRAMMING ASSESSMENT SYSTEMS: A Systematic Mapping Study <i>Umar Abdulsamad, Rohaida Romli, and Shafinah Farvin Packeer Mohamed</i>

PARALLEL SESSIONS C

PARALLEL SESSION C1

Knowledge Management & Mobile Technologies and Innovation

Chairperson: Dr. Juliana Wahid

9.00 a.m. - 10.20 a.m.	PID28	DESIGNING FOR PERSONS WITH DISABILITIES USING CREATIVE PATTERN MATCHING STRATEGY FOR SOCIAL INNOVATION <i>Husniza Husni, Fanindia Purnamasari, and Rajesh Kaluri</i>
	PID43	MOBILE SHOPPING APPS: OPERABILITY MEASURES IN CHECKLISTS OF HEURISTIC EVALUATION <i>Nor Laily Hashim, Ihediohanna Raphael Uzoma, and Norhanisha Yusof</i>
	PID51	ENHANCING STUDENT MATHEMATICAL KNOWLEDGE AND UNDERSTANDING THROUGH MULTIMEDIA VIDEOS <i>Juliana Wahid, Ali Yusny Daud, and Noor Izzah Yahya</i>
	PID60	VISUALIZING E-COMMERCE CUSTOMER SEGMENTATION THROUGH CLUSTERING METHODS <i>Shakiroh Khamis and Mazida Ahmad</i>

PARALLEL SESSION C2

Cybersecurity & Knowledge Management

Chairperson: Dr. Syahida Hassan

9.00 a.m. - 10.20 a.m.	PID55	SURVEILLANCE VS. FREEDOM: CYBER PARENTING KNOWLEDGE APPROACHES AND COPING STRATEGIES FOR CYBERCRIME VICTIMS <i>Syahida Hassan, Rahayu Ahmad, Nur Aryssa Ismadi Hisham, Alawiyah Abd Wahab, and Fathey Mohammed</i>
	PID67	SECURITY REQUIREMENT ENGINEERING PRACTICES: SHARING THE INSIGHTS FROM SOFTWARE PRACTITIONERS IN A PACKAGING COMPANY <i>Shafinah Farvin Packeer Mohamed, Sathiyaroobaa Vasuthevan, Fauziah Baharom, and Haslina Mohd</i>
	PID80	BOOSTING QR CODE STORAGE DATA TEXT CAPACITY ADVANCED MULTIPLEXING MODEL TECHNIQUES <i>Azizi Abas and Fazli Azzali</i>
	PID47	KXPRT PROFILING FRAMEWORK: EXPERTISE FINDER IN EXPERT SYSTEM USING UNSUPERVISED KEYWORD EXTRACTION <i>Nur Atiqa Basaruddin, Shahrinaz Ismail, and Bazilah A. Talip</i>

PARALLEL SESSION C3 (VIRTUAL)		
Chairperson: Dr. Fazli Azzali		
9.00 a.m. - 10.20 a.m.	PID16	DESIGN OF AQUACULTURE DATA ACQUISITION DEVICE BASED ON INTERNET OF THINGS TECHNOLOGY <i>Tu Jun, Azman Yasin, and Nur Suhaili Mansor</i>
	PID18	KNOWLEDGE MANAGEMENT AS A SUPPORT FOR CULTURAL INNOVATION AND PROMOTION: A STUDY OF KNOWLEDGE MANAGEMENT PRACTICES-THE CASE OF ADER-FES <i>El Hadraoui Douae and Amrous Naila</i>
	PID29	TECHNIQUES FOR MITIGATING THE VANISHING GRADIENT PROBLEM IN DEEP NEURAL NETWORKS <i>Shakirat Oluwatosin Haroon-Sulyman, Siti Sakira Kamaruddin, Farzana Kabir Ahmad, Shuzlina Abdul-Rahman, and Nor Idalaila Aziz</i>
	PID33	MAPPING THE LANDSCAPE: A BIBLIOMETRIC PERSPECTIVE OF BLOCKCHAIN APPLICATIONS AND TRUST MANAGEMENT <i>Athirah Rosli, Suhaidi Hassan, Mohd Hasbullah Omar, Mohd Samsu Sajat, Zainab Senan Attarbashi, and Khuzairi Mohd Zaini</i>

PARALLEL SESSIONS D

PARALLEL SESSION D1 Knowledge Management & Mobile Technologies and Innovation		
Chairperson: Dr. Hapini Awang		
11.00 a.m. - 12.20 p.m.	PID53	EMPOWERING KNOWLEDGE MANAGEMENT INNOVATION WITH CHATGPT AND SORA <i>Liu Yonggang, Hapini Awang, and Nur Suhaili Mansor</i>
	PID54	TRACKMINDER: INNOVATIVE MANAGEMENT APPROACHES FOR AMPLIFYING SOCIAL IMPACT FROM LOCAL INITIATIVES TO GLOBAL PUBLICATIONS <i>Hapini Awang, Nur Suhaili Mansor, Nur Anis Shafiqah Mazlan, Osman Ghazali, Abdulrazak F. Shahatha Al-Mashhadani, and Shakiroh Khamis</i>
	PID62	PRESCHOOLER'S GAME-BASED DIGITAL LITERACY ASSESSMENT APPLICATION DEVELOPMENT <i>Nor Iadah Yusop, Nur Adlina Kamilia Azhari, and Zahurin Mat Aji</i>
	PID96	LEVERAGING ELLITIST GENETIC ALGORITHMS STRATEGY IN AUTOMATED TEST CASE GENERATION FOR IMPROVING CONVERGENCE RATE <i>Nor Iadah Yusop and Li Kai</i>

PARALLEL SESSION D2		
Cybersecurity & Knowledge Management		
Chairperson: Mr. Ahmad Hanis Mohd. Shabli		
11.00 a.m. - 12.20 p.m.	PID77	DESIGNING AND DEVELOPING A WEB-BASED FINAL YEAR PROJECT MANAGEMENT SYSTEM USING THE THEORY OF SHAME <i>Ahmad Hanis Mohd Shabli, Muhammad Haikal, and Suwannit Chareen Chit</i>
	PID87	ENHANCING INTRINSIC MOTIVATION THROUGH GAMIFICATION IN COMPUTER PROGRAMMING FUNDAMENTAL COURSE FOR HIGHER EDUCATION STUDENTS <i>Fazli Azzali, Azizi Abas, Noraini Mohd Banua, and Nor Hazlyna Harun</i>
	PID38	ASSESSING THE EFFECTIVENESS OF SYSTEM FOR MANAGING INTEGRATED DATA OF HIGHER PUBLIC INSTITUTIONS <i>Rahayu Ahmad, Suzilah Ismail, Fauziah Baharom, Nur Haryani Zakaria, Haslina Mohd, Rohaida Romli, Yuhanis Yusof, Mohamed Ali Saip, Juhaida Abu Bakar, Wan Hussain Wan Ishak, Hasbullah Omar, and Salwati Badroddin</i>
	PID25	KNOWLEDGE TRANSFER PRACTICES: AN INSIGHT FROM REVIEWERS AND SOFTWARE ENGINEERS INVOLVED IN MODERN CODE REVIEW PROJECTS <i>Ismail Bello, Mazida Ahmad, and Maslinda Mohd Nadzir</i>

PARALLEL SESSION D3 (VIRTUAL)		
Chairperson: Dr. Baharuddin Osman		
11.00 a.m. - 12.20 p.m.	PID48	EXPLORING THE IMPACT OF ONLINE GAME ADDICTION ON CYBERCOGNITION AMONG MALAYSIAN ADOLESCENTS <i>Wan Mohd Yusoff Wan Yaacob, Nur Haryani Zakaria, and Zahurin Mat Aji</i>
	PID40	UNDERSTANDING COGNITIVE LOAD'S EFFECT ON MOBILE APPLICATION USABILITY: A REVIEW <i>Ain Syamira Che Jailani, Ridha Omar, Sharul Azim Sharudin, Masyura Ahmad Faudzi, and Zaihisma Che Cob</i>
	PID78	ADUDUN@KEDAH: A DIGITAL SOLUTION FOR HANDLING COMPLAINTS AT GOVERNMENT AGENCIES <i>Fauziah Baharom, Shafinah Farvin Packeer Mohamed, Nur Farhana Shahul Hameed, and Nur Murshidah Shahul Hameed</i>
	PID52	INTEGRATING DIGITAL INNOVATION IN KNOWLEDGE MANAGEMENT FOR WATER QUALITY AND SUSTAINABILITY <i>Nur Suhaili Mansor, Hapini Awang, Nor Hazlyna Harun, Mohamad Ghazali Hassan, Sarkin Tudu Shehu Malami, and Lariyah Mohd Sidek</i>

ORGANIZING COMMITTEE

Patron	YBhg. Prof. Dato' Dr. Mohd Fo'ad Sakdan Vice-Chancellor Universiti Utara Malaysia
Advisor	Prof. Dr. Osman Ghazali Assistant Vice-Chancellor of UUM College of Arts & Sciences (UUM CAS) Universiti Utara Malaysia
Chairman	Assoc. Prof. Dr. Haslina Mohd
Vice-Chairman	Assoc. Prof. Dr. Yuhanis Yusof
Secretary	Ms. Musyrifah Mahmod
Treasurer	Ms. Aniza Mohamed Din
Assistant Treasurer	Dr. Mohamad Farhan Mohamad Mohsin
Secretariat	Assoc. Prof. Nor Iadah Yusop Assoc. Prof. Dr. Haslina Mohd Assoc. Prof. Dr. Nor Hazlyna Harun Nur Marissa Vee Senap
Finance & Sponsorship	Assoc. Prof. Dr. Yuhanis Yusof Assoc Prof. Dr. Fauziah Baharom Assoc. Prof. Dr Azizi Ab Aziz
Promotion & Protocol	Assoc. Prof. Ts.. Wan Hussain Wan Ishak Assoc. Prof. Dr. Rahayu Ahmad Assoc. Prof. Dr. Azizi Ab Aziz
Logistics & Accommodation	Mr. Mohd Samsu Sajat Dr. Baharudin Osman Dr. Fazli Azzali Mr. Ahmad Hanis Mohd Shabli
Paperwork & Proceedings	Prof. Dr. Fauziah Baharom Assoc. Prof. Dr. Haslina Mohd Assoc. Prof. Dr. Yuhanis Yusof Assoc. Prof. Dr. Zahurin Mat Aji Assoc. Prof. Dr. Rohaida Romli Dr. Shafinah Farvin Packeer Mohamed Ts. Dr. Mohamed Ali Saip Dr. Mohamad Farhan Mohamad Mohsin Assoc. Prof. Dr. Tutut Herawan Assoc. Prof. Dr. Najia Saher

**Associate
Promotion
Committee**

Dr. Azlin Nordin (IIUM)
Asma Hanee binti Ariffin (Malaysia, UPSI)
Mohd Helmy Abd Wahab (Malaysia, UTHM)
Prof. Dr. Najia Saheer (Pakistan, Islamia University Bahawalpur)
Assoc. Prof. Dr. Omar Husain Mohammad Tarawneh (Oman, Al-Zahra College for Women)
Dr. Abdullah Hussein Ali Al-Ghushami (Qatar, Community College of Qatar)
Dr. Moath Altarawneh (Jordan, The World Islamic Sciences & Education University (WISE))
Dr. Siti Sarah Maidin (Malaysia, Asia Pacific University)
Dr. Samera Obaid Barraood (Yemen, Hadhramout University)
Assoc. Prof. Dr. Omar Husain Mohammad Tarawneh (Oman, Al-Zahra College for Women)
Dr. Abdullah Hussein Ali Al-Ghushami (Qatar, Community College of Qatar)
Dr. Moath Altarawneh (Jordan, The World Islamic Sciences & Education University (WISE))
Dr. Siti Sarah Maidin (Malaysia, Asia Pacific University)
Hazlina Haron (Malaysia, Segi College Subang Jaya)
Omar Hamid Flayyih (Iraq, Ministry of Education)
Assoc. Prof. Dr. Shahrinaz Ismail (Malaysia, Asia Pacific University of Technology and Innovation)

TECHNICAL COMMITTEE

Ahmad Hanis Mohd Shabli
Aisha Siddiqa
Alawiyah Abd Wahab
Aniza Mohamed Din
Atyaf Sami Noori
Azizi Ab Aziz
Azlin Nordin
Azliza Bt Othman
Bakr Salim Ba-Quttayyan
Cik Fazilah Hibadullah
Fariza Hanim Rusly
Farzana Kabir Ahmad
Fauziah Baharom
Fazli Azzali
Hamzah Alaidaros
Hapini Awang
Inusa Sani Maijama'a
Juhaida Abu Bakar
Juliana Wahid
Khuzairi Mohd Zaini
Mazida Ahmad
Mazni Omar
Moath Husni
Mohamad Farhan
Mohamed Ali Saip
Mohammed Alsamman
Mohd Fitri Mansor
Mohd Hasbullah Omar
Mohd Shamrie Sainin

Mohd. Nor Akmal Khalid
Munya Saleh Saeed Ba Matraf
Mustafa Ali Abuzaraida
Musyrifah Mahmud
Najia Saher
Nooraini Yusoff
Nor Hazlyna Harun
Nor Iadah Yusop
Noraziah Che Pa
Nur Azzah Abu Bakar
Nur Fadziana Faisal Mohamed
Nur Haryani Zakaria
Omar Husain Altarawneh
Rahayu Ahmad
Rohaida Romli
Ruziana Mohamad Rasli
Samera Obaid Barraood
Shafinah Farvin Packeer Mohamed
Sharifah Nawaitul Masdinar Syed A.Rahman
Shuzlina Abdul Rahman
Sobihatun Nur Abdul Salam
Suwannit Chareen Chit
Syahida Hassan
Wan Aida Nadia Wan Abdullah
Wan Hussain Wan Ishak
Wiwied Virgiyanti
Yuhanis Yusof
Zahurin Binti Mat Aji @ Alon
Zhamri Che Ani

SUPPORTING PARTNER



The Gurteen
Knowledge Café!
