

CONFERENCE SCHEDULE

The 9th Intl. Conf. on Computing & Informatics 2023 (ICOCI 2023)

DAY 1 (13 th September 2023, Wednesday)		VENUE
0800	Registration	Gateway Foyer
0900	Parallel Session A1 Parallel Session A2	Gateway A Citation
1030	Refreshment	Gateway Foyer
1100	Parallel Session B1 Parallel Session B2	Gateway A Citation
1300	Luncheon	Continents Restaurant
1400	<p>Welcoming speech</p> <p>Assoc. Prof. Dr Norliza Katuk ICOCI 2023 Chair</p> <p>Opening Remarks</p> <p>Prof. Dr Osman Ghazali Assistant Vice Chancellor, College of Arts and Sciences Universiti Utara Malaysia</p> <p>Announcement of Best Paper Awards</p>	Gateway A
1500	<p>Keynote Address I</p> <p>Inclusivity and AI: Opportunity or Threat?</p> <p>Prof. Dr Alan Dix <i>Director of the Computational Foundry, Swansea University, Wales, UK</i></p>	Gateway A
1600	Parallel Session C1 Parallel Session C2	Gateway A Citation
1730	Refreshment	Gateway Foyer

Welcoming coffee break will be served at Gateway Foyer from 0830 to 0900.

DAY 2 (14th September 2023, Thursday)		
0900	Parallel Session D1 Parallel Session D2	Gateway A Citation
1030	Refreshment	Gateway Foyer
1100	Parallel Session E1 Parallel Session E2	Gateway A Citation
1200	<p>Keynote Address II</p> <p>Interaction between Humans and Conversational Agent: Research Opportunities and Future Directions</p> <p>Prof. Dr Atreyi Kankanhalli <i>Provost's Chair Professor of Department of Information Systems and Analytics, National University of Singapore, Singapore</i></p> <p>Lucky Draw</p>	Gateway A
1300	Luncheon	Continents Restaurant
1430	Parallel Session F1 Parallel Session F2	Gateway A Citation
1730	Refreshment & Closing	Gateway Foyer

Welcoming coffee break will be served at Gateway Foyer from 0830 to 0900.

PARALLEL SESSION SCHEDULE

The 9th Intl. Conf. on Computing & Informatics (ICOCI 2023)

DAY 1 (13 th September 2023, Wednesday)		
<i>Session A1</i>		<i>Gateway A</i>
Digital Healthcare & Well-being <i>Chair: Assoc. Prof. Dr Yuhanis Yusof</i>		
Time	PID	Title
0900	40	Air Quality Prediction using Support Vector Regression based on African Buffalo Optimization <i>Yuhanis Yusof & Inusa Sani Maijama'a</i>
0920	46	The Factors Influencing Blockchain Adoption in Hospitals: A Pilot Study <i>Mahmood A. Bazel, Mazida Ahmad, Fathey Mohammed, Nabil Hasan Al-Kumaim, Wasef Mater & Azman Yasin</i>
0940	63	Exploring the Relationship between Protection Motivation and Addiction Severity Towards Secure Intention Behaviour in Online Game Addiction among Adolescents <i>Wan Mohd Yusoff Wan Yaacob, Nur Haryani Zakaria & Zahurin Mat Aji</i>
1000	107	Designing and Developing M-Thyroid Care for Mobile Virtual Consultation <i>Ahmad Hanis Mohd Shabli, Noorulsadiqin Azbiya Yaacob & Noor Rafhati Adyani Abdullah</i>
<i>Session A2</i>		<i>Citation</i>
Ensuring Cybersecurity & Privacy <i>Chair: Prof. Dr Huda Ibrahim</i>		
Time	PID	Title
0900	2	Key Issues in Cybersecurity Implementation in Government Agencies: A Case Study in Jakarta Smart City <i>RG Guntur Alam, Huda Ibrahim & Ismail Rakip Karas</i>
0920	24	Data Archiving Model on Cloud for Video Surveillance Systems with Integrity Check <i>Norliza Katuk, Mohd Hasbullah Omar, Muhammad Syafiq Mohd Pozi & Ekaterina Chzhan</i>
0940	58	An Exploratory Study of Automated Anti-Phishing System <i>Mochamad Azkal Azkiya Aziz, Basheer Riskhan, Nur Haryani Zakaria & Mohamad Nazim Jambli</i>
1000	91	A Systematic Literature Review of Intrusion Detection System in Network Security <i>Guntoro & Mohd. Nizam Omar</i>
<i>Session B1</i>		<i>Gateway A</i>
Ensuring Cybersecurity & Privacy <i>Chair: Prof. Dr Osman Ghazali</i>		
Time	PID	Title
1100	80	Remote Public Data Auditing to Secure Cloud Storage <i>Osman Ghazali & Muhammad Farooq</i>

1120	84	A Systematic Literature Review of Ransomware Detection Methods and Tools for Mitigating Potential Attacks Mujeeb ur Rehman, Rehan Akbar, Mazni Omar & Abdul Rehman Gilal
1140	111	Penetration Testing Implementation using Smartphone: A Systematic Literature Review Eka Wahyu Aditya, Basheer Riskhan, Nur Haryani Zakaria, Fazli Azzali & Mohamad Nazim Jambli
1200	22	Large Scale Web Crawling and Distributed Search Engines: Techniques, Challenges, Current Trends, and Future Prospects Asadullah Al Galib, Md Humaion Kabir Mehedi, Ehsanur Rahman Rhythm & Annajiat Alim Rasel

Session B2

Citation

Digital Healthcare & Well-being
Chair: Assoc. Prof. Dr Nor Hazlyna Harun

Time	PID	Title
1100	86	CNN-Based Covid-19 Detection from Two Distinct Chest X-Ray Datasets: Leveraging TensorFlow and Keras for Novel Results Yaser Mohammed Al-Hamzi & Shamsul Sahibuddin
1120	93	Eye-Tracking Usability Data of BacaDisleksia for an Informed Dyslexia-Friendly Design Decision Husniza Husni, Nurul Ida Syaheera Mohd Nasri & Mohamed Ali Saip
1140	94	Hexa-Net Framework: A Fresh ADHD-specific Model for Identifying ADHD Based On Integrating Brain Atlases Dalia Al-Ubaidi, Azurah A Samah & Mahdi Jasim
1200	97	An Automated Enhancement System of Diabetic Retinopathy Fundus Image for Eye Care Facilities Nurul Atikah Mohd Sharif, Nor Hazlyna Harun, Nur Azmielia Muhammad Sharimi, Juhaida Abu Bakar, Hapini Awang & Zunaina Embong
1220	99	Persuading People to Fight Dengue, And Sustaining It, Via Mobile Application Masitah Ghazali, Nur Zuraifah Syazrah Othman, Zatul Alwani Shaffiei, Suriati Sadimon, Zuraini Ali Shah and Zuriahati Mohd Yunos
1240	106	Usability Study of UUM Student Portal Using Eye Tracker Nur Farah Amallina Azmi, Mohamed Ali Saip & Husniza Husni

Session C1

Gateway A

Digital Media & Information Literacy
Chair: Dr Hapini Awang

Time	PID	Title
1600	17	A Feature-Based Optimization Approach for Fake News Detection on Social Media using K-Means Clustering Farzana Kabir Ahmad, Siti Sakira Kamaruddin, Adnan Hussein Ali & Farah Lia Ibrahim
1620	36	Sentiment Analysis of Arabic Dialects: A Review Study Abdullah Habberrih & Mustafa Ali Abuzaraida
1640	45	Charting Inclusive Digital Society Research Trends: A Bibliometric Analysis of E-Participation through Social Media

		Hapini Awang, Nur Suhaili Mansor, Maslinda Mohd Nadzir, Osman Ghazali, Abderrahmane Benlahcene, Fadhilah Mat Yamin, Isyaku Uba Haruna, Shakiroh Khamis & Abdulrazak F. Shahatha Al-Mashhadani
1700	61	Open Issues in Agile Testing Environment for A Strong Digital Society Samera Obaid Barraood, Haslina Mohd, Fauziah Baharom & Shafinah Farvin Packeer Mohamed
1720	103	Estate Planning Model for Sustaining Economic Values of Digital Assets Norliza Katuk, Tey Peck Yong, Mohamad Sabri Sinal @ Zainal, Wan Aida Nadia Wan Abdullah, Norazlina Abd Wahab, Erik Kurniadi & Heru Budiarto

Session C2

Citation

Education Transformation through Technology
Chair: Asmalinda Adnan

Time	PID	Title
1600	12	University Student Dashboard: Enhancing Student Trend Analysis and Decision-Making Processes Teh Soon Li, Mohamad Sabri Sinal@Zainal & Mazni Omar
1620	31	Fostering Cyber-Resilience in Higher Education: A Pilot Evaluation of a Malware Awareness Program for College Students Norliza Katuk, Nur A'fyfah Zaimy, Suren Krishnan, Raj Kumar Kunhiraman, Lee Hwee Hsiung & Derar Eleyan
1640	32	Analysis of the Effectiveness of Feedback Provision in Intelligent Tutoring Systems Nur Hafiza Jamaludin & Rohaida Romli
1700	78	Unlocking the Potential of Enhancing User Experience in Portal GREaT: Cultivating Great Ideas through Brainwriting Method Fauziah Baharom, Rohaida Romli, Wan Hussain Wan Ishak, Haslina Mohd, Yuhanis Yusof, Nur Haryani Zakaria, Mohamed Ali Saip, Osman Ghazali, Rahayu Ahmad, Mohd Hasbullah Omar, Suzilah Ismail & Juhaida Abu Bakar
1720	83	Current Practice in Implementing Learning Programming Techniques to Support Computational Thinking: Analysis of A Pilot Test Asmalinda Adnan & Rohaida Romli

DAY 2 (14th September 2023, Thursday)

Session D1

Gateway A

Navigating AI Development & Deployment
Chair: Wan En Ng

Time	PID	Title
0900	23	A Video Summarization Method for Movie Trailer-Genre Classification based on Emotion Analysis Wan En Ng, Muhammad Syafiq Mohd Pozi, Mohd Hasbullah Omar, Norliza Katuk & Abdul Rafiez Abdul Raziff
0920	25	E-Nose: Spoiled Food Detection Embedded Device using Machine Learning for Food Safety Application Wan Nur Fadhliina Syamimi Wan Azman, Ku Nurul Fazira Ku Azir & Adam Mohd Khairuddin
0940	50	An Empirical Study of Label Size Effect on Classification Model Accuracy using a Derived Rule from the Holy Quran Verses Ghaith Abdulsattar A. Jabbar Alkubaisi, Siti Sakira Kamaruddin & Husniza Husni

1000	26	An Analysis of Objective Function Modification Approaches in Routing Protocols for Low Power and Lossy Networks: A Fuzzy Logic-Based Perspective Laila Al-Qaisi Suhaidi Hassan & Nur Haryani Zakaria
<i>Session D2</i>		<i>Citation</i>
Navigating AI Development & Deployment <i>Chair: Shehu M. SarkinTud</i>		
Time	PID	Title
0900	54	Anomalies in Mooring (Thin) Lines: Causes, Risk Mitigations, and Real-Time Consequences of Failure – A Comprehensive Review Tarwan Kumar Khatri, Manzoor Ahmed Hashmani, Hasmi Taib, Nasir Abdullah & Lukman Ab. Rahim
0920	66	Analysis of Lossless Compression in Huffman Coding and Lempel-Ziv-Welch (LZW) Puteri Nurul'Ain Adil Md Sabri , Azizi Abas & Fazli Azzali
0940	85	Data Analytics Modelling System for Short Courses at Seberang Jaya Community College Zuriana Zamberi & Nur Intan Raihana Ruhaiyem
1000	88	Examining the Software Developers' Perception in Open-Source Software of Blockchain Project using Association Rules Mining Alawiyah Abd Wahab, Huda H. Ibrahim, Shehu M. SarkinTud & Bilyaminu Awwal Romo
1020	96	Support Vector Machine for Satellite Images Classification using Radial Basis Function Kernel Method Nur Suhaili Mansor, Hapini Awang, Sarkin Tudu Shehu Malami, Amirulikhshan Zolkafli, Mohammed Ahmed Taiye & Hanhan Maulana

<i>Session E1</i>		<i>Gateway A</i>
Digital Media & Information Literacy <i>Chair: Nurulhuda Ismail</i>		
Time	PID	Title
1100	77	A Test Dataset of Offensive Malay Language by a Cyberbullying Detection Model on Instagram using Support Vector Machine Nurulhuda Ismail, Davis Enrique Losada & Rahayu Ahmad
1120	92	Tik Tok Video Cluster Analysis based on Trending Topic Juhaida Abu Bakar, Azmielia Muhammad Sharimi, Mohd Azrul Edzwan Shahril, Nur Syafiqah Azmi, Nor Hazlyna Harun, Hapini Awang and Nur Syafiqah Abu Bakar
1140	74	Systematic Literature Review and Bibliometric Analysis on Addressing the Vanishing Gradient Issue in Deep Neural Networks for Text Data Shakirat Oluwatosin Haroon-Sulyman, Mohammed Ahmed Taiye, Siti Sakira Kamaruddin & Farzana Kabir Ahmad
<i>Session E2</i>		<i>Citation</i>

Education Transformation through Technology

Chair: Ahmad Hanis Mohd Shabli

Time	PID	Title
1100	109	The Effectiveness of Conducting STEM Projects using Design Thinking Approach in Rural Schools in Kedah, Malaysia: A Smart Farming Project <i>Suwannit Chareen Chit Sop Chit, Ahmad Hanis Mohd Shabli & Massudi Mahmuddin</i>
1120	110	Enhancing Supervisor Response Time: An Exploration of the Social Representation Theory of Shame in ELISTA <i>Jefri Marzal, Edi Elisa, Pradita Eko Prasetyo Utomo & Suwannit Chareen Chit Sop Chit</i>
1140	112	Early Detection of School Disengagement using MyBuddy Application <i>Ahmad Hanis Mohd Shabli, Noraziah ChePa, Azizi Ab Aziz, Wan Hussain Wan Ishak & Laura Lim Sei-Yi</i>

Session F1

Gateway A

Digital Enterprise & Innovation

Chair: Brandon Chua Choon Kit

Time	PID	Title
1430	7	E-commerce Carbon Footprint Contribution: A Preliminary Investigation Framework <i>Siti Sakira Kamruddin, Farzana Kabir Ahmad, Alawiyah Abd Wahab, Zahurin Mat Aji & Noradila Nordin</i>
1450	29	Designing an Expert System for Personal Financial Management <i>Brandon Chua Choon Kit & Nor Farzana Abd Ghani</i>
1510	62	Improving Rice Yield Prediction Accuracy using Regression Models with Climate Data <i>Mohamad Farhan Mohamad Mohsin, Muhammad Khalifa Umana, Mohamad Ghozali Hassan, Kamal Imran Mohd Sharif, Mohd Azril smail, Khazainani Salleh, Suhaili Mohd Zahairi, Mimi Adilla Sarmani & Neil Gordon</i>
1530	68	The Application of UTAUT Theory to Determine Trust among Women in E-hailing Apps Adoption <i>Karrar Ali Abdullah & Musyrifah Mahmod</i>

1550	79	Design and Development of Housing Interview Management System for Managing Housing Application <i>Asvinitha Muniandy, Mazida Ahmad & Mohamad Adli Desa</i>
1610	81	A Descriptive Study of Factors Influencing Online Purchasing Behaviour: Malaysian Consumer Perspective <i>Nurul Ain Mustakim, Shuzlina Abdul-Rahman, Maslina Abdul Aziz & Zuhairah Hasan</i>
1630	82	The Effects of Perceived Usefulness and Perceived Ease of Use On Intention to Use ICT Services among Agribusiness Practitioners in Somalia <i>Husein Osman Abdullahi & Murni Mahmud</i>
1650	64	Cross-layer based Intrusion Detection System for Wireless Sensor Networks: Challenges, Solutions and Future Directions <i>Noradila Nordin</i>
1710	98	Adoption of Machine Learning by Rural Farms: A Systematic Review

		Sayed Abdul Majid Gilani, Ansarullah Tantry, Soumaya Askri, Liza Gernal, Rommel Sergio & Leonardo Jose Mataruna-Dos-Santos
<i>Session F2</i>		<i>Citation</i>
Harnessing Technology for Sustainable Development <i>Chair: Dr Zhamri Che Ani</i>		
Time	PID	Title
1430	28	A Regression Test Case Prioritization Framework for Software Sustainability Bakr Ba-Quttayyan, Haslina Mohd & Yuhanis Yusof
1450	44	Towards A Sustainable Digital Society: Supporting Producer Mobility in Named Data Networking through Immobile Anchor-Based Mechanism Ahmad Abrar, Khuzairi Mohd Zaini, Ahmad Suki Che Mohamed Arif & Mohd Hasbullah Omar
1510	59	Enabling A Sustainable and Inclusive Digital Future with Proactive Producer Mobility Management Mechanism in Named Data Networking Nurul Hidayah Ahmad Zukri, Ahmad Suki Che Mohamed Arif, Mohammed Gamal AlSamman & Ahmad Abrar
1530	69	Integrating Blockchain Consensus Mechanism to Enhance Trust and Security in Named Data Networking for Sustainable Digital Society Athirah Rosli, Suhaidi Hassan & Mohd Hasbullah Omar
1550	72	The Recent Trends of Research On GitHub Copilot: A Systematic Review Zhamri Che Ani, Zauridah Abdul Hamid & Nur Nazifa Zhamri
1610	108	Blockchain over Named Data Networking Architecture: A Review Mohammed AlSamman, Suhaidi Hassan, Fathey Mohammed & Yousef Fazea
1630	113	A Review of Policy on Creative Industry for Sustainable Nation: A Malaysian Perspective Syamsul Bahrin Zaibon, Asmidah Alwi, Ahmad Hisham Zainal Abidin, Adzrool Idzwan Ismail, Nur Kareelawati Abd Karim & Shamsul Arrieya Ariffin
1650	43	Blockchain-based Supply Chain for A Sustainable Digital Society: Security Challenges and Proposed Approach Norshakinah Md Nasir, Khuzairi Mohd Zaini, Suhaidi Hassan & Noradila Nordin