



IRICT 2023 Presentations Schedule

Day 1: Wednesday, 27 th December, 2023	
Note: All times are in Malaysia time (GMT+8)	
Time : 8:30 am – 5:00 pm	
Zoom link : IRICT2023 First Day ZOOM Meeting Link	
Main Room: Maharaja Suite	
9:30 am– 10:10 am	Keynote Speech 1 by: Professor Okfalisa Universiti Islam Negeri Sultan Syarif Kasim Riau, Indonesia Title: <i>“Integrated Decision Making on Business Intelligence as A Future Smart Management Analytical”</i>
10:10 am - 11:00 am	Break
Session I	
Main Room: Maharaja Suite (AI)	
11:00 am – 11:15 am	Improving Prediction of Bursa Malaysia Stock Index using Time Series and Deep Learning Hybrid Model Abang Mohammad Hudzaifah Abang Shakawi and Ani Shabri
11:15 am – 11:30 am	Current Challenges of Big Data Quality Management in Big Data Governance: A Literature Review Yunusa Adamu Bena, Roliana Ibrahim and Jamilah Mahmood
11:30 am - 11:45 am	Exploring Instructors’ Practices: Data-Driven Evaluation and Insights via LMS Hanan Aldowah, Irfan Naufal Umar, Samar Ghazal, and Amira Saif
11:45 am - 12:00 pm	Learning Rate Schedules and Optimizers, A Game Changer for Deep Neural Networks Olanrewaju V. Johnson, Chew XinYing, Olabisi E. Johnson, Khai W. Khaw and Ming H. Lee
12:00 pm - 12:15 pm	Facial Wash Products Recommendation System: Profile User-Based Using Fuzzy Analytical Hierarchy Process Approach Okfalisa, Giska Dwi Kasmadani, Pizaini, Iwan Iskandar, Rizka Hafsari, Saktioto
12:15 pm – 12:30 pm	Employee Mental Workload Classification in Industrial Workplaces: A Machine Learning Approach Ayesha Hussain, Pantea Keikhosrokiani, Moussa Pourya Asl
12:30 pm - 12:45 pm	A Conceptual Framework for Malay-English Code-Switched Neural Machine Translation Yit Khee Wong and Sharin Hazlin Huspi
12:45 pm - 1:00 pm	Android Malware Detection using Machine Learning Technique Nor A'Fifah Sabri, Shakiroh Khamis and Zanariah Zainudin
1:00 pm – 2:00 pm	Lunch Break



Main Room: Maharaja Suite	
2:00 pm – 2:40 pm	Keynote Speech 2 by: Professor Wadii Boulila Prince Sultan University, Saudi Arabia Title: “ <i>Minimal Data, Maximum Results: Unlocking the Potentials of Few-Shot Learning</i> ”
2:40 pm – 3:20 pm	Keynote Speech 3 by: Professor Abdulqader M. Mohsen University of Aden (UA), Aden, Yemen Title: “ <i>Healthcare Revolution: AI’s Role in Personalized Medicine and Disease Prevention</i> ”
Parallel Session II	
Main Room: Maharaja Suite (AI & Data Science)	
3:20 pm - 3:35 pm	Quality Criteria Conflict: The Perspective of Health Specialists and Caregivers in Arab Countries Yousef Baqraf and Pantea Keikhosrokiani
3:35 pm - 3:50 pm	Leveraging ICT Technologies in the Battle Against COVID-19: A Review for applications, Challenges, and Solutions Abdulaziz Aborujilah, Samir Hammami, and Kabir Hasibul
3:50 pm – 4:05 pm	Predicting Customer Revenue in E-commerce using Machine Learning a Case Study of the Google Merchandise Store Basem S. Abunasser and Samy S. Abu-Naser
4:05 pm - 4:20 pm	Multi-Modal MRI-Based Classification of Brain Tumors. A Comprehensive Analysis of 17 Distinct Classes Ashraf M. H. Taha, Syaiba Balqish Binti Ariffin and Samy S. Abu-Naser
4:20 pm – 4:35 pm	Integrating K-Means Clustering and Levenshtein Distance and K-Nearest Neighbor Algorithms for Enhanced Arabic Sentiment Analysis Ghaleb Al-Gaphari, Salah Alhagree and Hamzah A Alsayadi
4:35 pm – 4:50 pm	A Novel Fractional ARIMA Model with Genetic Algorithm and Its Applications in Forecasting the Electricity Consumption Demand Ani Shabri, Faisal Saeed, Nadhmi A. Gazem
4:50 pm – 5:05 pm	A Novel Fractional Accumulative Grey multivariable regression model with GA Optimizer for Forecasting Short-Term CO2 Emissions in Malaysia Ani Shabri, Ruhaidah Samsudin, Faisal Saeed, Nadhmi A. Gazem
Maharani Suite (AI & Data Science)	
3:20 pm - 3:35 pm	Deciphering Gene Patterns through Gene Selection using SARS-CoV Micro-array Data Shamini Raja Kumaran, Jiang Runhua, He Enhao, Ding Daorui, Chen Yanhao, Hong Chang, Bi Xiaoyang, Valarmathie Gopalan, Shaidah Jusoh
3:35 pm - 3:50 pm	Investigating the Impact of Utilizing the ChatGPT for Arabic Sentiment Analysis Ghaleb Al-Gaphari, Salah AL-Hagree, and Baligh Al-Helali



3:50 pm – 4:05 pm	DAE-DBN: An Effective Lung Cancer Detection Model Based on Hybrid Deep Learning Approaches Salam Abdulzahra Schnawa, Mahnaz Rafie, Mustafa Sabah Taha
4:05 pm - 4:20 pm	Fourier Residual Modified Approach in Group Method of Data Handling for Electricity Load Forecasting Nur Rafiqah Abdul Razif and Ani Shabri
4:20 pm – 4:35 pm	Review of 3D Reconstruction on Mobile Devices based on Evaluation Methods Muhammad Anwar Ahmad and Norhaida Mohd Suaib and Ajune Wanis Ismail
4:35 pm – 4:50 pm	The Patented Technology Innovation Portfolio on 4D Printer Using Theory of Inventive Problem Solving Muhammad Saqib Iqbal and Zulhasni Abdul Rahim
4:50 pm – 5:05 pm	Detection User Needs: LDA-Based Analysis of Arabic Reviews for Governmental Mobile Applications Maha Alshamani and Mohammed Alsarem

Day 2: Thursday, 28th December, 2023

Note: All times are in Malaysia time (GMT+8)

Time : 9:00 am – 5:00 pm
Zoom link : [IRICT2023 Second Day- Zoom Meeting Link](#)

Main Room: Maharaja Suite

9:00 am – 9:30 am	Keynote Speech 4 by: Professor Mamoun Alazab Charles Darwin University, Australia Title: <i>“Cyber Security: Trends and Future Directions”</i>
9:30 am – 10:00 am	Keynote Speech 3 by: Professor Richard Smith De Montfort University, United Kingdom Title: <i>“Pro-Active Cyber Security for Operational Technology”</i>

Session I

Main Room: Maharaja Suite (IoT + AI)

10:00 am - 10:15 am	A review of IoT Applications in Smart Environments: From Smart Cities to Military Integration Abdulaziz Alashbi, Abdul Hakim Mohamed, Ibraheem Shaye, Ayman A. El-Saleh, and Abdul Ahad
10:15 am - 10:30 am	Mobile Device Influence on SDN Controller Performance in IoT-Managed Software-Defined Wireless Networks Babangida Isyaku, Kamalrulnizam Abu Bakar, Saidu Abdulrahman, Muham-mad Nura Yusuf, Farkhana Binti Muchtar , and Fuad A Ghaleb
10:30 am - 10:45 am	Role of Attitude, Norm and Behaviour Control Among Young Voters in Social Media Toward Political Engagement Norman Sapar, and Ab Razak Che Hussin
10:45 am – 11:00 am	Revolutionizing Airline Customer Satisfaction Analysis with Machine Learning Techniques Ashraf Osman Ibrahim, Chiew Cheng Yi, Abubakar Elsafi and Fuad A. Ghaleb



11:00 am – 11:15 am	Break
Parallel Session 2	
Main Room: Maharaja Suite (Security & AI)	
11:15 am - 11:30 am	Hybrid SPECK Encryption Algorithm for Internet of Thing (IoT) Rusul H. Altaie and Haider K. Hoomod
11:30 am - 11:45 am	Hybrid PRESENT Encryption Algorithm for Internet of Things (IoT) Rusul H. Altaie and Haider K. Hoomod
11:45 am – 12:00 pm	Lattice-Based Cryptography for Internet-of-Things in Post-Quantum Computing Levi Palmer, Yousef Fazea
12:00 pm – 12:15 pm	Securing Data in IoT-RFID Based Systems Using Lightweight Cryptography Algorithm Ruah Mouad Alyas AL-Azzawi and Sufyan Salim Mahmood AL-Dabbagh
12:15 pm - 12:30 pm	Feedback Generation for Automatic Programming Assessment Utilizing AI Techniques: An Initial Analysis of Systematic Mapping Studies Maytham. A. Ali, Rohaida Romli, and Emad I. Abdul Kareem
12:30 pm - 12:45 pm	Forecasting Electricity Consumption Using a Data Grouping Method Based on the Grey Model in Malaysia Zahrah Fayez Althobaiti and Ani Shabri
12:45 pm – 1:00 pm	Indicators of the Exploratory and Confirmatory Factor Analysis of the Technology Readiness Index (TRI) Qasim Alajmi and Ibrahim AL-Wahaibi
Maharani Suite (IS)	
11:15 am - 11:30 am	The Review of Patent Literature and Analytics of Robo-physic System Evolution Using Theory of Inventive Problem Solving (TRIZ) Zulhasni Abdul Rahim and Muhammad Saqib Iqbal
11:30 am - 11:45 am	The Problem-Based Learning Revolution: A Systematic Review Exploring its Effect on Student Achievement and Self-Regulated Learning Amira Saif, Irfan Naufal Umar, Samar Ghazal, and Hanan Aldowah
11:45 am – 12:00 pm	Assessing the Prioritization of Key Influencing Factors for Industrial IoT Readiness in SMEs Sajid Shah, Syed Hamid Hussain Madni, Siti Zaitoon Bt. Mohd Hashim, Javed Ali, Muhammad Faheem and Nor Azizah Ali
12:00 pm – 12:15 pm	Analyzing Learning Analytics in a Knowledge Forum: Examining Patterns of Interaction in Computer-Supported Collaborative Learning Samar Ghazal, Irfan Naufal Umar, Hanan Aldowah, and Amira Saif
12:15 pm - 12:30 pm	Overview of Cybersecurity Trends in Jordan's Financial Sector Yaser Ahmad Arabyat, Abdulsalam Alarabeyyat, and Murad Abuaddous



12:30 pm - 12:45 pm	The Era of Industry 5.0: An Overview of Technologies, Applications, and Challenges Mahmood A. Bazel, Fathey Mohammed, Abdullah O. Baarimah, Gamal Alawi, Al-Baraa Abdulrahman Al-Mekhlafi and Basheer Almuahaya
12:45 pm – 1:00 pm	Comparative Analysis to Develop a Dimensionality Reduction Model for Classifying Intrusion Detection Systems Tolulope Olushola Olufemi, Oluwatolani Achimugu, Suleiman Abu Usman, Theophilus Aniemeka Enem, Philip Achimugu, Chinonyelum Vivian Nwufoh and Ridwan Kolapo
1:00 pm – 2:00 pm	Lunch Break
Parallel Session 3	
Main Room: Maharaja Suite (AI & Data Science)	
2:00 pm - 2:15 pm	Matrix Profile Unleashed: A Solution to IoT Data Redundancy Challenges Safa Ali Abdo Hussein, R. Badlishah Ahmad, Naimah Yaakob, Fathey Mohammed
2:15 pm - 2:30 pm	An Anomaly Intrusion Detection Systems in IoT Based on Autoencoder: A Review Maaadh A. Alsoufi, Maheyzah Md Siraj, Fuad A. Ghaleb, Aya Hasan Abdulqader, Elham Ali, and Maryam Omar
2:30 pm – 2:45 pm	Comparative Analysis of Topic Modeling Algorithms Based on Arabic News Documents Islam DJEMMAL and Hacene BELHADEF
2:45 pm - 3:00 pm	An Ensemble Machine Learning Approach for Predicting Flood based on Meteorological and Topographical Features: A Comparative Study in Kalu Ganga River Basin, Sri Lanka Ahrane Mahaganapathy, Dhanushka Jayasinghe, Kapila Tharanga Rathnayaka, and Wiraj Udara Wickramaarachchi
3:00 pm - 3:15 pm	Utilizing Deep Learning Technique for Arabic Image Captioning Haneen Siraj Ibrahim, Narjis Mezaal Shati, Sinan Q. Salih
3:15 pm - 3:30 pm	Performance Analysis of Textured Contact Lens IRIS Detection Based on Manual Feature Engineering Roqia Sailh Mahmood and Ismail Taha Ahmed
3:30 pm – 3:45 pm	Proposed model for QCNN-based Sentimental Short Sentences Classification Nour El Houda Ouamane and Hacene Belhadef
3:45 pm - 4:00 pm	Plants Monitoring API to Detect Tomato Leaf Diseases using Deep-Learning Algorithms. Ayman Moustafa, AbdulRahman Alsewari, Sara Hassan
4:00 pm - 4:15 pm	Comparative Analysis of ResNet50, and VGG16 Architectures for Counterfeit Logo Identification Aishwarya Sharma, Essa Q. Shahra, and Shadi Basurra



Maharani Suite (AI)	
2:00 pm - 2:15 pm	Software Bug Severity Prediction using Convolutional Neural Network and BiLSTM Models Tariq Saeed Mian and Abdullah Alsaeedi
2:15 pm - 2:30 pm	Offline Signature Verification Model Using CNN and PSO Algorithm Abdoulwase M. Obaid Al-Azzani and Abdulbaset M. Qaid Musleh
2:30 pm – 2:45 pm	A Real -Time Hand Gesture Recognition based on Me-dia-Pipe and Support Vector Machine Noof T. Mahmood, Mohanad S. Jabbar, Mariam Abdalrazak
2:45 pm - 3:00 pm	Air Pollution Prediction Using Long Short-Term Memory Variants Akhas Rahmadeyan, Mustakim, Moh. Erkamim, Imam Ahmad, Sepriano and Syarfi Aziz
3:00 pm - 3:15 pm	Sentiment Analysis and Innovative Recommender System: Enhancing Goodreads Book Discovery Using Hybrid Collaborative and Content Based Filtering Choo Hui Lee, Pantea Keikhosrokiani and Moussa Pourya Asl
3:15 pm - 3:30 pm	Machine Learning-Based Predictive Models for Cardiovascular and Cerebrovascular Diseases Diagnosis and Treatment Optimization Adedayo Abidemi Ogunpola, Faisal Saeed, Shadi Basurra
3:30 pm –3:45 pm	Hybrid Filter Feature Selection for Improving Cancer Classification in High-Dimensional Microarray Data Oluwabukunmi Oyegbile, Faisal Saeed, and Samer Bamansoor
3:45 pm - 4:00 pm	Machine Learning Techniques for Evaluating Student Performance Josephine Oludipe, Faisal Saeed, and Rasheed Mohammed
4:00 pm - 4:15 pm	-
4:15 pm - 4:30 pm	Closing Ceremony