

IRICT 2021 Presentations Schedule

Day 1: Wednesday, 22nd December, 2021

Parallel Session I

Time : 11:00 am - 1:00 pm
Zoom link : <https://us02web.zoom.us/j/4929634857?pwd=YkhYd1dZQkV1ZThnWDQzYXFTcHQ1QT09>
Meeting ID : 492 963 4857
Passcode : IRICT2021

Main Room (Artificial Intelligence)

11:00 am - 11:15 am	<p>Automatic Saudi Arabian License Plate Detection and Recognition using Deep Convolutional Neural Networks</p> <p>Maha Driss, Iman Almomani, Rahaf Al-Suhaimi, Hanan Al-Harbi</p>
11:15 am - 11:30 am	<p>Ship Detection Approach using Machine Learning Algorithms</p> <p>Abdirahman Osman Hashi, Ibrahim Hassan Hussein, Octavio Ernesto Romo Rodriguez, Abdullahi Ahmed Abdirahman, Mohamed Abdirahman Elmi</p>
11:30 am - 11:45 am	<p>A new deep learning system for wild plants classification and species identification: using leaves and fruits</p> <p>Nehad M. Abdulrahman Ibrahim, Dalia Goda Gabr, Abdel-Hamid M. Emara</p>
11:45 am - 12:00 pm	<p>A Novel Weighted Fractional TDGM Model and Quantum Particle Swarm Optimization Algorithm for Carbon Dioxide Emissions Forecasting</p> <p>Ani Shabri</p>
12:00 pm - 12:15 pm	<p>Text Detergent: The Systematic Combination of Text Pre-processing Techniques for Social Media Sentiment Analysis</p> <p>Ummu Hani' Hair Zaki, Roliana Ibrahim, Shahliza Abd Halim and Izyan Izzati Kamsani</p>
12:15 pm - 12:30 pm	<p>Improve Short-term Electricity Consumption Forecasting using a GA-based Weighted Fractional Grey Model</p> <p>Ani Shabri, Ruhaidah Samsudin and Waseem Alromema</p>
12:30 pm - 12:45 pm	<p>Efficient Human Activity Recognition System Using Long Short-Term Memory</p> <p>Athraa Almusawi and Ali H. Ali</p>
12:45 pm - 1:00 pm	<p>Job Training Recommendation System: Integrated Fuzzy AHP and Topsis Approach</p> <p>Okfalisa, Rizal Siburian, Yelfi Vitriani, Hidayati Rusnedy, Saktioto, Melfa Yola</p>

Room 1 (Data Science)	
11:00 am – 11:15 am	<p>C-SAR: Class-specific and Adaptive Recognition for Arabic Handwritten Cheques</p> <p>Ali Hamdi, Qais Al-Nuzaili, Fuad A. Ghaleb and Khaled Shaban</p>
11:15 am – 11:30 am	<p>The Effect of Kernel Functions on Cryptocurrency Prediction Using Support Vector Machines</p> <p>Nor Azizah Hitam, Amelia Ritahani Ismail, Ruhaidah Samsudin, Eman H. Alkhamash</p>
11:30 am - 11:45 am	<p>Opinion Mining Using Topic Modeling: A Case Study of Firoozeh Dumas's <i>Funny in Farsi</i> in Goodreads</p> <p>Muhamad Aiman Zikri Bin Muhamad Asri, Pantea Keikhosrokiani and Moussa Pourya Asl</p>
11:45 am - 12:00 pm	<p>Opinion Mining using Sentiment Analysis: A Case Study of Readers' Response on Long Litt Woon's <i>The Way Through the Woods</i> in Goodreads</p> <p>Ezqil Fasha Bin Kamal Fasha Pantea Keikhosrokiani and Moussa Pourya Asl</p>
12:00 pm - 12:15 pm	<p>Opinion Mining of Readers' Responses to Literary Prize Nominees on Twitter: A Case Study of Public Reaction to the Booker Prize (2018-2020)</p> <p>Punetham a/p Paremeswaran, Pantea Keikhosrokiani and Moussa Pourya Asl</p>
12:15 pm – 12:30 pm	<p>Dictionary-based DGAs Variants Detection</p> <p>Raja Azlina Raja Mahmood, Azizol Abdullah, Masnida Hussin and Nur Izura Udzir</p>
12:30 pm - 12:45 pm	<p>Comparison of Unsupervised Machine Learning Analysis Using K-Means, Hierarchical Clustering, and Principal Component Analysis in Horticulture Agribusiness: Shallot and Tomato Productivity in Indonesia</p> <p>Junita Juwita Siregar and Eka Budiarto</p>
12:45 pm - 1:00 pm	<p>Arabic Auto-CON: Automated Arabic Concordancer Construction from Arabic Corpus</p> <p>Abdullah H. Almuntashiri, Mohammed Al-Sarem, Omar F. Aloufi, Abdelhamid Emara and Mhd Ammar Alsalka</p>

Room 2 (Information System)	
11:00 am – 11:15 am	<p>A Model of Trusted Factors of Video Word of Mouth (vWOM) in Social Commerce</p> <p>Humaira Hairudin and Halina Mohamed Dahlan</p>
11:15 am – 11:30 am	<p>Information Quality Requirements for a Nutrition App Based on Experts Interviews</p> <p>Siti Asma Mohammed, Mohamed Aden Ighe and Azlin Nordin</p>
11:30 am - 11:45 am	<p>Design of Test Data Generation Method for Dynamic- Functional Testing in Automatic Programming Assessment using Flower Pollination Algorithm</p> <p>Nurhidayah Mokhtar, Rohaida Romli, Rusnida Romli, Alawiyah Abd Wahab, Nooraini Yusoff,</p>
11:45 am - 12:00 pm	<p>A Comparative Evaluation on Methods of Teaching Computer Programming</p> <p>Asmalinda Adnan, Rohaida Romli</p>

Room 2 (Information System)	
12:00 pm - 12:15 pm	<p>Attitude towards intention to use mobile-based teaching assessment based on TAM and a novel extended TAM model</p> <p>Abdullahi Ahmed Abdirahman, Marzanah A. Jabar, Abdirahman Osman Hashi, Mohamed Abdirahman Elmi , Octavio Ernesto Romo Rodriguez</p>
12:15 pm - 12:30 pm	<p>The Roles of Information Presentation on User Performance in Mobile Augmented Reality Application</p> <p>Nur Intan Adhani Muhamad Nazri and Dayang Rohaya Awang Rambli</p>
12:30 pm - 12:45 pm	<p>Relevance Judgment of Argument Quality and Online Review Adoption during Information Search in e-Commerce Review Platform</p> <p>Nur Syadhila Che Lah, Ab Razak Che Hussin, Norazira A Jalil, Nor Fatiha Subri</p>
12:45 pm - 1:00 pm	<p>An Exploratory Study on the Use of Social Companion Robot for Adults with Motor Disabilities</p> <p>Sofianiza Abd Malik, Linah Aburahmah¹ and Muna Azuddin</p>

Parallel Session II	
Time	: 2:45 pm - 3:00 pm
Zoom link	: https://us02web.zoom.us/j/4929634857?pwd=YkhYd1dZQkV1ZThnWDQzYXFTcHQ1QT09
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Main Room (AI + Data Science)	
2:45 pm - 3:00 pm	<p>Sentiment Analysis of Restaurants Customer Reviews on Twitter</p> <p>Nouf Alharbi , Ohoud Moqbel Al-Mohammadi , Raghad Abdullah Al-Rehaili , Shatha Abdulhadi Al-Rehaili , Heba Abdullah Al-Harbi</p>
3:00 pm - 3:15 pm	<p>An Analysis of Students' Academic Performance Using K-Means Clustering Algorithm</p> <p>Maryam Ahmad, Noreen Izza Bt Arshad and Aliza Bt Sarlan</p>
3:15 pm - 3:30 pm	<p>Extraction of Spatiotemporal association rules for forest fires prediction</p> <p>Mongi Boulehmi and Amira Ayadi</p>
3:30 pm - 3:45 pm	<p>Comparative Study of Service-based Sentiment Analysis of Social Networking Sites Fanatical Contents</p> <p>Salisu Garba, Marzuk Abdullahi, Reem Alkhamash, and Maged Nasser</p>
3:45 pm - 4:00 pm	<p>Catching a Phish: Frontiers of Deep Learning-Based Anticipating Detection Engines</p> <p>Hamzah Salah and Hiba Zuhair</p>

Room 1 (Health Informatics)	
2:45 pm - 3:00 pm	<p>Bayesian model for detecting influence directionality of heart related diseases with application in multimorbidity understanding</p> <p>Faouzi MARZOUKI and Omar BOUATTANE</p>
3:00 pm - 3:15 pm	<p>Data science for Multimorbidity Modeling: can age and sex predict multimorbidity burden?</p> <p>Faouzi MARZOUKI and Omar BOUATTANE</p>
3:15 pm - 3:30 pm	<p>Advanced Analytics for Medical Supply Chain Resilience in Healthcare Systems: An Infection Disease Case</p> <p>Brenno Menezes, Robert Franzoi, Mohammed Yaqot, Mohammed Sawaly and Antonio Sanfilippo</p>
3:30 pm - 3:45 pm	<p>Application of Temporal Network on Potential Disease Transmission: Hospital Case Study</p> <p>Yaseen Alwesabi, Dong Dinh, and Xilin Zhang</p>
3:45 pm - 4:00 pm	<p>Hospital Supply Chain Management and Quality of Services within Hospitals: A Preliminary Review</p> <p>Amer Alqudah, Hussein Mohammed Abualrejal and Ezanee Elias</p>

Room 2 (Information Security)	
2:45 pm - 3:00 pm	<p>Facilitate Security Event Monitoring and Logging of Operational Technology (OT) Legacy Systems</p> <p>Kenny Awuson-David, James Thompson, Kiran Tuner, and Tawfik Al-Hadhrami</p>
3:00 pm - 3:15 pm	<p>Encryption Scheme ECIES to enhance Smart Energy IoT Platform security based on constrained protocol</p> <p>Ayoub Ech-Chkaf, Salma Ait Oussous, Abdelhadi El allali, Siham Beloualid, Taoufiq El Harrouiti, Sanaa El Aidi, Abderrahim Bajit, Habiba Chaoui, and Ahmed Tamtoui</p>
3:15 pm - 3:30 pm	<p>Applying Lightweight Elliptic Curve Cryptography ECC and Advanced IOT Network Topologies to Optimize COVID-19 Sanitary Passport Platforms based on Constrained Application Protocol</p> <p>Fatima Zahra Hamza, Sanaa El Aidi, Abdelhadi El Allali, Siham Beloualid, Abderrahim Bajit, and Ahmed Tamtaoui</p>
3:30 pm - 3:45 pm	<p>Challenges on Digital Cyber-Security and Network Forensics: A Survey</p> <p>Omar Ismael Al-Sanjary, Ahmed Abdullah Ahmed, M. N. Mohammed, Kevin Loo Teow Aik</p>
3:45 pm - 4:00 pm	<p>Validating Mobile Forensic Metamodel using Tracing Method</p> <p>Abdulalem Ali , Shukor Abd Razak, Siti Hajar Othman, Rashiq Rafiq Marie, Arafat Al-Dhaqm, and Maged Nasser</p>

Day 2: Thursday, 23rd December, 2021

Parallel Session I

Time : 9:45 am – 12:00 pm

Zoom link : <https://us02web.zoom.us/j/4929634857?pwd=YkhYd1dZQkV1ZThnWDQzYXFTcHQ1QT09>

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Main Room (Artificial Intelligence)

9:45 am – 10:00 am	Rainfall Forecasting using the Group Method of Data Handling Model: A Case Study of Sarawak, Malaysia Azlina Narawi, Dayang Norhayati Abang Jawawi and Ruhaidah Samsudin
10:00 am – 10:15 am	Construction 4.0 Intervention in Quality Assessment System in Construction's Implementation Syed Muhammad Nazir Bin Syed Othman and Zulhasni Bin Abdul Rahim
10:15 am – 10:30 am	Improvement of Population Diversity of Meta-heuristics Algorithm using Chaotic Map Samuel-Soma M. Ajibade, Mary O. Ogunbolu, Ruth Chweya and Samuel Fadipe
10:30 am – 10:45 am	Adaptive and Global Approaches Based Feature Selection for Large-scale Hierarchical Text Classification Abubakar Ado, Mustafa Mat Deris, Noor Azah Samsudin, and Abdurra'uf Garba Sharifai
10:45 am – 11:00 am	Ensemble Method for Online Sentiment Classification Using Drift Detection-Based Adaptive Window Method Idris Rabi, Naomie Salim, Maged Naseer, Faisal Saeed, Waseem Alromema, Aisha Awal, Elijah Joseph, and Amit Mishra
11:00 am – 11:15 am	Detecting Public Outlook Towards Vaccination using Machine Learning Approaches: A Systematic Review Sheikh Md Hanif Hossain and Suriani Sulaiman
11:15 am – 11:30 am	Forecasting Carbon Dioxide Emission for Malaysia using Fractional Order Multivariable Grey Model Assif Shamim Mustaffa Sulaiman, Ani Shabri and Rashid Rafiq Marie
11:30 am – 11:45 am	A Hybrid Algorithm for Pattern Matching: An Integration of Berry-Ravindran and Raita Algorithms Abdulwahab Ali Almazroi, Fathey Mohammed, Muhammad Ahsan Qureshi, Asad Ali Shah, Ibrahim Abaker Targio Hashim, Nabil Hasan Al-Kumaim, Abubakar Zakari
11:45 am – 12:00 pm	A Survey of the Hybrid Exact String Matching Algorithms Abdulwahab Ali Almazroi, Asad Ali Shah, Abdulaleem Ali Almazroi, Fathey Mohammed, and Nabil Hasan Al-Kumaim

Room 1 (Networking and IoT)	
9:45 am - 10:00 am	<p>The Good, the Bad, and the Ugly: Review on the Social Impacts of Unmanned Aerial Vehicles (UAVs)</p> <p>Mohammed Yaqot and Brenno Menezes</p>
10:00 am - 10:15 am	<p>Big Data Analytics for Large Scale Wireless Body Area Networks; Challenges, and Applications</p> <p>Haider Rasheed Abdulshaheed , Haider Hadi Abbas, Ehsan Qahtan Ahmed, Israa Al_Barazanchi</p>
10:15 am - 10:30 am	<p>A Review of the Role of Latency in Multi-Controller Placement in Software-Defined-Wide Area Networks</p> <p>Cindy Ujan, Mohd Murtadha Mohamad and Anisah Kasim</p>
10:30 am - 10:45 am	<p>Factors Influencing the Security of Internet of Things Systems</p> <p>Fayez Hussain Alqahtani</p>
10:45 am - 11:00 am	<p>An Overview on LoRaWAN Technology Simulation Tools</p> <p>Mukarram A. M. Almuhaya, Waheb A. Jabbar, Noorazliza Sulaiman, and Sulaiman A. H.A</p>
11:00 am - 11:15 am	<p>Applying a lightweight ECC encryption in multi-topology sensor networks to enhance intelligent IOT low-cost transportation platforms security based on CoAP constrained protocol</p> <p>Salma Ait Oussous, Mohammed Yachou, Sanaa El Aidi, Siham Beloualid, Taoufiq El Harrouti, Abdelhadi El allali1, Abderrahim Bajit, and Ahmed Tamtoui</p>
11:15 am - 11:30 am	<p>Effect of Optimal Placement of Shunt Facts Devices on Transmission Network Using Firefly Algorithm for Voltage Profile Improvement and Loss Minimization</p> <p>S. O. Ayanlade, E. I. Ogunwole, S. A. Salimon and S. O. Ezekiel</p>
11:30 am - 11:45 am	<p>Efficient and Secure Topology Discovery in SDN: Review</p> <p>Aladesote Olomi Isaiah and Azizol Abdullah</p>
11:45 am - 12:00 pm	<p>A Review on 5G Technology in IoT-Application based on Light Fidelity (Li-Fi) Indoor Communication</p> <p>Yousef Fazea, Fathey Mohammed and Abdulaziz Al-Nahari</p>

Room 2 (Information System)

9:45 am - 10:00 am	A Comparison of Block-Based Programming Platforms for Learning Programming and Creating Simple Application Umar AbdulSamad, Rohaida Romli
10:00 am - 10:15 am	Information Security Policy Compliance: An Exploration of User Behaviour and Organizational Factors Angraini, Rose Alinda Alias, and Okfalisa
10:15 am - 10:30 am	Understanding Wearable Device Adoption: Review on Adoption Factors and Directions for Further Research in Smart Healthcare Md Ismail Hossain, Ahmad Fadhil Yusof and Mohana Shanmugam
10:30 am - 10:45 am	Factors Contributing to an Effective E- Government Adoption in Palestine Tareq Obaid, Bilal Eneizan, Samy S. Abu Naser, Ghaith Alsheikh , Ahmed Ali Atieh Ali and Hussein Mohammed Esmail Abualrejal
10:45 am - 11:00 am	Preliminary Investigation on Malaysian Office Workers' Sedentary Behaviour, Health Consequences, and Intervention Preferences: Towards Designing Anti Sedentary Behaviour Change Support Systems Nur Fadziana Faisal Mohamed and Noorminshah A.Iahad
11:00 am - 11:15 am	The National Industry 4.0 Policy Performance Review Based on Industry4WRD Readiness Assessment and Intervention Program Zulhasni Abdul Rahim, Nor Azian Abdul Rahman and Muhamad Saqib Iqbal
11:15 am - 11:30 am	Construction 4.0 Readiness and Challenges for Construction Skills Training Institutions in Malaysia Muhammad Fariq Abdul Hamid and Zulhasni Abdul Rahim
11:30 am - 11:45 am	A Conceptual Framework for Democratization of Big Data Analytics (BDA) Nor Haslinda Ismail and Rose Alinda Alias
11:45 am - 12:00 pm	Gamification Elements in E-Library Services in Higher Education: A Systematic Review Folashade Oyinlola Adedokun, Norasnita Ahmad and Suraya Miskon