

Conference Program and Sessions Schedule

 **Note:** All times in GMT time

Day 1: Saturday 15th October, 2022	
Zoom Meeting ID: 435 806 3968 Zoom Passcode: ICACIN22 Link: https://us02web.zoom.us/j/4358063968?pwd=a0RSU1AvZ24xYTNhbi80VG5GMysyQT09	
Session 1	Conference Main Room
8:00 am - 8:05 am	Doa'a Recitation
8:05 am - 8:10 am	Welcoming speech by Dr. Mohammed Errais , the ICACIN 2020 General Co-Chair
8:10 am - 8:15 am	Welcoming speech by Dr. Faisal Saeed , the ICACIN 2022 General Co-Chair
8:15 am - 8:20 am	Welcoming speech by Dr. Noorminshah , the ICACIN 2022 Honorary ICACIN 2020 Co-Chair
8:20 am - 8:25 am	Speech and officially opening ICACIN 2020 by Prof. Saddiqi Omar , Honorary ICACIN 2022 Chair
8:25am – 8:40 am	Break
8:40am – 9:20 am	Keynote Speech I: Prof. Muhammad Ali Imran University of Glasgow, UK Title: Will Communication and Sensing technologies converge in future? – a challenge for 6G
9:20 am – 10:00 am	Keynote Speech II: Dr. Bendriss El Mehdi Pro-IT, Morocco Title: Cybersecurity Challenges and solutions
10:00 am - 10:30 am	Break
Session I	Paper Presentations: 10:30 am – 12:00 pm Conference Main Room
10:30 am – 10:45 am	Software Defined Networking Concept (SDN) Based on Artificial Intelligence: taxonomy of methods and future directions Rihane Abderrahman, Faysal Bensalah, Yassine Maleh ,Baddi Youssef , and Youness Bouzekri
10:45 am - 11:00 am	A Recent Review of Video Anomaly Detection for Smart Cities GHOULAMI Marouane, MIYARA Mounia, MESSAOUDI Najat, CHIBA Zouhair, TOULNI Hamza and BOUDHANE Mohcine
11:00 am - 11:15 am	Performance analysis of scheduling algorithms for virtual machines and tasks in cloud computing Hind Mikram, Said El Kafhali and Youssef Saadi
11:15 am - 11:30 am	Machine learning and marketing campaign: innovative approaches and creative techniques for increasing efficiency and profit Nouri Hicham and Sabri Karim

11:30 am -11:45 am	Towards the prediction of students' performance using educators' domain knowledge Amina Ouatiq Sophia Faris ¹ , Khalifa Mansouri and Mohammed Qbadou
11:45 am - 12:00 pm	Using deep learning for the detection of ocular diseases caused by diabetes Asma Sbai, Lamyia Oukhouya, Abdelali Touil
12:00 pm – 1:00 pm	Lunch Break
Session 2	Conference Main Room
1:00 pm – 1:40 pm	Keynote Speech III: Prof. Akram Alomainy Queen Mary University of London, UK Title: Exploring the Potentials of EM Waves from Wearable Solutions to Flexible Next Generation Microwave Interfaces
Parallel Session II	Paper Presentations: 1:45 pm – 5:00 pm Conference Main Room
1:45 pm - 2:00 pm	Crop recommendation in the context of precision agriculture Khadija Lechqar and Mohammed Errais
2:00 pm - 2:15 pm	Enhancing DDoS attacks detection in SOCs by ML algorithms Omar LAMRABTI, Abdellatif MEZRIOUI and Abdelhamid BELMEKKI
2:15 pm - 2:30 pm	Cybersecurity Assessment Construction of Artificial Intelligence Rachid Batess, Younes El Fellah, Reda Errais, Ghizlane Bouskri, and El Houssain Baali
2:30 pm - 2:45 pm	New 3-Layer low complexity Cryptosystem for color images based on Chao, Algebraic Diffusion and ECBC Faiq GMIRA and Said HRAOUI
2:45 pm - 3:00 pm	A Transfer Learning Based Approach for Sunspot Detection Channabasava Chola, J V Bibal Benifa, Abdullah Y Muaad, Md Belal Bin Heyat, Hanumanthappa J., Mohammed Al-Sarem, Abdulrahman Alqarafi and Bouchaib Cherradi
3:00 pm - 3:15 pm	Tweet Recommendation System based on TA algorithm and natural language processing Kaoutar EL HANDRI, Mohamed RACHDI and Karim EL BOUCHTI
3:15 pm - 3:30 pm	Adoption Model for Cloud-Based E-Learning in Higher Education Qasim AlAjmi
3:30 pm – 3:45 pm	Break
3:45 pm - 4:00 pm	Profile of Fitness and Diet App Users in Online Wellness Social Communities in Malaysia: Cross-Sectional Pilot Study Rasha Najib Aljabali and Norasnita Ahmad

4:00 pm - 4:15 pm	A review of WBAN Intelligent System Connections For Remote Control of Patients With COVID-19 Suhad Ibraheem Kadhem, Intisar A.M. Al Sayed, Thuria Saad Znad, Jamal Fadhil Tawfeq, Ahmed Dheyaa Radhi, Hassan Muwafaq Ghani, Israa Al_Barazanhi
4:15 pm - 4:30 pm	A Survey of Mobile Ad-Hoc Networks Based on Fuzzy Logic Ibrahim Ahmed Alameri, Jitka Komarkova, and Tawfik Al-Hadhrani
4:30 pm - 4:45 pm	The Influence of Node Speed on MANET Routing Protocol Performance Ibrahim Alameri, Jitka Komarkova, Tawfik Al-Hadhrani, and Raghad I. Hussein
4:45 pm - 5:00 pm	Leveraging Deep Learning for mmWave Channel Impulse Response Prediction Mohd. Sharique, Mohammad Samar Ansari, and Chirag Gangal
Parallel Session II	Paper Presentations: 1:45 pm – 3:30 pm Meeting Room (Online Presentations)
1:45 pm - 2:00 pm	Opinion Mining on Paul W. S. Anderson’s <i>Monster Hunter</i> from Chinese Social Media Using Sentiment Analysis Lan Zhenghua, Pantea Keikhosrokiani and Moussa Pourya Asl
2:00 pm - 2:15 pm	Kevin Kwan’s <i>Crazy Rich Asians</i>: Opinion Mining and Emotion Detection on Fans' Comments on Social Media Ong Mei Yee, Pantea Keikhosrokiani and Moussa Pourya Asl
2:15 pm - 2:30 pm	Voltage Profile Improvement and Active Power Loss Reduction Through Network Reconfiguration Using Dingo Optimizer Samson Oladayo Ayanlade, Abdurasaq Jimoh, Sunday Olufemi Ezekiel, and Adedire Ayodeji Babatunde
2:30 pm - 2:45 pm	A Bottom-up 2-Stage Approach for Constructing Arabic Knowledge Graph Amani D. Alqarni, Khaled M. G. Noaman, Fatima N. AL-Aswadi, and Hamood Alshalabi
2:45 pm - 3:00 pm	Augmented Reality as a Learning Media to Improve Vocabulary Learning Among Preschoolers Abdulrazak Yahya Saleh, Elaveni Kasirajan
3:00 pm - 3:15 pm	Learners’ Performance Evaluation Using Genetic Algorithms Tariq Saeed Mian
3:15 pm - 3:30 pm	Tomato Plant Leaf Disease Identification and Classification Using Deep Learning Hannia Tahir and Parnia Samimi
3:30 pm – 3:45 pm	Break

3:45 pm - 4:00 pm	Intelligent Chatbots for Electronic Commerce: A Customer Perspective Norah Alrebdi and Mohammed Hadwan
4:00 pm - 4:15 pm	A Hybrid Sentiment based SVM with Metaheuristic Algorithms for Cryptocurrency Forecasting Nor Azizah Hitam, Amelia Ritahani Ismail, Syed Zulkarnain Syed Idrus, Muhammad Alfatih Muddathir Abdeurahim Eltayeb, Ruhaidah Samsudin, Jari Jussila, Eman H. Alkhammash
4:15 pm - 4:30 pm	A Comparison Study of Machine Learning Algorithms for Credit Risk Prediction Pica Salsabila Atmauswan, Shahrinaz Ismail, Nor Azizah Hitam, Akibu Mahmoud Abdullahi, Faisal Saeed, Mohammed Al-Sarem
4:30 pm - 4:45 pm	Age and Gender Classification from Retinal Fundus Using Deep Learning Tareq Obaid, Samy S. Abu-Naser Mohanad S.S. Abumandil, and Ahmed Y. Mahmoud Ahmed Ali Atieh Ali
4:45 pm - 5:00 pm	Heart Disease Prediction Using a group of Machine and Deep Learning Algorithms Samy S. Abu-Naser, Tareq Obaid, Mohanad S.S. Abumandil and Ahmed Y. Mahmoud

Day 2: Sunday 16th October, 2022	
Zoom Meeting ID: 435 806 3968 Zoom Passcode: ICACIN22 Link: https://us02web.zoom.us/j/4358063968?pwd=a0RSU1AvZ24xYTNhbi80VG5GMysyQT09	
Session 1	Conference Main Room
8:00 am – 8:40 am	Keynote Speech IV: Prof. Youssef BADDI Chouaib Doukkali University, Morocco Title: Using Machine-Learning Based Security Design for Cyber-Physical Systems
8:40 am – 9:20 am	Keynote Speech V: Prof. Qammer H. Abbasi University of Glasgow, U.K Title: How Future Healthcare will Evolve: A Way Forward
9:20 am – 10:0 am	Keynote Speech VI: Prof. Aiman Erbad Hamad Bin Khalifa University, Qatar Title: The Challenges and Future Directions of Collaborative Missions in UAV Swarms – A Systems Perspective
10:00 am – 10:30 am	Break
Parallel Session I	Paper Presentations: 10:30 am – 12:00 pm Conference Main Room
10:30 am - 10:45 am	Towards an Information Retrieval System integrated in an E-Learning system Mohamed Rachdi , El Habib ben Lahmar and Nisrine Safeh

10:45 am - 11:00 am	Pedagogical scripting in E-Learning systems: brief study Nisrine safeh , Mohamed Rachdi ·Othmane Aitlmoudden and Abdelwahed Namir
11:00 am - 11:15 am	Students' Physical Education performance analysis using regression model in machine learning Mohamed Rebbouj, Lotfi Said
11:15 am - 11:30 am	Forecasting Tourist Arrivals using a Combination of Long Short-Term Memory and Fourier Series Ani Shabri, Ruhaidah Samsudin, Faisal Saeed and Mohammed Al-Sarem
11:30 am - 11:45 am	Deep Learning Based for Cryptocurrency Assistive System Muhammad Zakhwan Mohamed Rafik, Noraisyah Mohamed Shah, Nor Azizah Hitam, Faisal Saeed, Shadi Basurra
11:45 am - 12:00 pm	Deep Learning-based System for Quality Control of Coatings in Recess Punch Manufacturing Balint Newton Turcsanyi, Faisal Saeed and Emmett Cooper
Parallel Session I	Paper Presentations: 10:30 am – 12:00 pm Meeting Room (Online Presentations)
10:30 am - 10:45 am	Aligning Cultural Heritage Preservation and Knowledge Transfer in Digital Era between Champions and Agencies Razifah Othman, Othman Ibrahim, Fadilah Zaini and Siti Nuur-Ila Mat Kamal
10:45 am - 11:00 am	A New Landscape of Political Engagement Through Social Media: How Can We Map It? Norman Sapar, Ab Razak Che Hussin and Nadhmi A. Gazem
11:00 am - 11:15 am	Energy-Efficient Clustering protocol Using Particle Swarm Algorithm for Wireless Sensor Networks Ahmed A. Jasim, Noor Riyadh Issa, Ghufran Saady Abd Al-Muhsen, Mohd Yamani Idna Idris, Saaidal Razalli Bin Azzuhri, Ali M. Muslim
11:15 am - 11:30 am	A Comparison of Ensemble Learning for Intrusion Detection in Telemetry Data Naila Naz, Muazzam A Khan, Muhammad Asad Khan, Muhammad Almas Khan, Sana Ullah Jan, Syed Aziz Shah, Arshad, Qammer H Abbasi, Jawad Ahmad
11:30 am - 11:45 am	FM_STATE: Model-Based Tool for Traceability, Generation, and Prioritization in Software Product Line Engineering Rabatul Aduni Sulaiman, Dayang Norhayati Abang Jawawi, ^{Shahliza Abdul Halim}
11:45 am - 12:00 pm	Modelling COVID-19 Daily New Cases Using GSTAR-ARIMA forecasting method: Case Study on Five Malaysian States Siti Nabilah Syuhada Abdullah, Ani Shabri, Faisal Saeed, Ruhaidah Samsudin, and Shadi Basurra

12:00 pm - 1:00 pm	Lunch Break
Parallel Session II	Paper Presentations: 1:00 am – 3:45 pm Conference Main Room (Online Presentations)
1:00 pm - 1:15 pm	A Single Channel EEG-Based algorithm for Neonatal Sleep-Wake Classification Awais Abbas, Saadullah Farooq Abbasi, Muhammad Zulfiqar Ali, Saleem Shahid and Wei Chen
1:15 pm - 1:30 pm	An Intelligent Machine Learning-based System for Predicting Heart Disease Using Mixed Feature Creation Technique Abdelrahman Elsharif Karrar and Rawia Elarabi
1:30 pm - 1:45 pm	Authomatic Directory Classification of Test Cases Based on Machine Learning Algorithms at Android Smartphone Vendor Abdirahman Osman Hashi, Siti Zaiton Mohd Hashim, Mohamed Abdirahman Elmi, Abdullahi Ahmed Abdirahman, Octavio Ernesto Romo Rodriguez
1:45 pm - 2:00 pm	Relu Dropout Deep Belief Network for Ontology Semantic Relation Discovery Fatima N. AL-Aswadi, Huah Yong Chan and Keng Hoon Gan
2:00 pm – 2:15 pm	Financial Sentiment Analysis on Twitter in the UK During Covid-19 Pandemic Oluwamayowa Ashimi, Amna Dridi, and Edlira Vakaj
2:15 pm - 2:30 pm	Automatic Classification for ADHD Disorder Using Deep Learning Techniques Nouf Alharbi, Reham Al-Johani, Maram Al-Ahmadi, Nuha Al-Refaai, Atheer Al-Sharif and Yara Al-Aqeel
2:30 pm – 2:45 pm	High Accuracy Feature Selection Using Metaheuristic Algorithm For Classification of Student Academic Performance Prediction Al Farissi, Halina Mohamed Dahlan, Zuraini Ali Shah and Samsuryadi
2:45 pm – 3:00 pm	A Deep Learning model for Human Blood Cells Classification Pramodha M, Ansith S, J V Bibal Benifa, Mohammed Al-Sarem, Hanumanthappa J., Bini A A., Emmanuel Ndagijimana, Faisal Saeed, Md Belal Bin Heyat, Abdulrahman Alqarafi, Abdullah Y Muaad and Channabasava Chola
3:00 pm – 3:15 pm	Arabic Hate Speech Detection using Different Machine Learning Approach Abdullah Y Muaad, Hanumanthappa J(Jayappa Davanagere), S.P. Shiva Prakash, Mohammed Al-Sarem, Fahad Ghabban, J V Bibal Benifa, and Channabasava Chola
3:15 pm – 3:30 pm	Learning Programming Difficulties: Toward an Integrated Conceptual Framework Othman A. Alrusaini

3:30 pm – 3:45 pm	A Taxonomy of Dataset Search Abdullah Hamed Almunashiri, Luis-Daniel Ibáñez and Adriane Chapman
Parallel Session II	Paper Presentations: 1:00 am – 3:45 pm Meeting Room (Online Presentations)
1:00 pm - 1:15 pm	Performance and Security Evaluation of OpenDaylight and ONOS Siqi Liu and Shao Ying Zhu
1:15 pm - 1:30 pm	Users' Perception on Quality Medication Adherence Applications Madiah Zainal, A. Izuddin Zainal-Abidin, and Suziah Sulaiman
1:30 pm - 1:45 pm	Motivations, Development Challenges and Project Desertion in Public Blockchain: A Pilot Study Alawiyah Abd Wahab, Shehu M. Sarkintudu, Huda H. Ibrahim
1:45 pm - 2:00 pm	Enhance E2E Online Shopping System Using Secure Fingerprint Parcel Delivering Method Dineish Duke A/L Narayanasamy, Omar Ismael Al-Sanjary, Ahmed Saifullah Sami, Manar Y. Kashmola
2:00 pm – 2:15 pm	Compliance Intention for E-learning continue usage: Validation of Measurement Items Ken Ditha Tania, Norris Syed Abdullah, Norasnita Ahmad, and Samsuryadi Sahmin
2:15 pm - 2:30 pm	Derivation Citizen Engagement Model for Government Social Media Ari Wedhasmara, Samsuryadi, Ab Razak Che Hussin
2:30 pm – 2:45 pm	Validation of Measuring Items for Customer Loyalty in E-Commerce Platform Mira Afrina, Samsuryadi, Ab Razak Che Hussin, Suraya Miskon
2:45 pm – 3:00 pm	Validation of Measuring Item in Dealing Negative E-WOM for Online Reputation Rizka Dhini Kurnia, Halina Mohamed Dahlan, Samsuryadi
3:00 pm – 3:15 pm	User-Generated Content (UGC) for Products Reviews Video Factors Derivation Through Weight Criteria Calculation Siti Zubaidah Mohd Zain, Ab Razak Che Hussin and Amri Ab. Rahman
3:15 pm – 3:30 pm	Derivation Sustainable Model of E-Government Application Usage in Indonesian Local Government Apriansyah Putra, Mahadi Bahari, Suraya Miskon and Samsuryadi
3:30 pm - 4:00 pm	Break
4:00 pm - 4:30 pm	Closing ceremony