International Conference on Innovation in Artificial Intelligence and Internet of Things

Session	Start	End	Room	number of paper presentations	Conference track	#	Paper ID	Author	Paper title
1	1:00 PM	1:15 PM	1	4	AI in Business	1	109	Asmaa Benhmama and Brahim Sabiri	Can AI improve individual employee performance?
1	1:15 PM	1:30 PM	1		AI in Business	1	111	Ahmad Bilal Almagribi, Abdullah Azzam Bishri, Syauqi Muhammad, Zuel Fahmi, Salma Rohadatulaisy Maulana Putri and Muhammad Erfan	Mapping the Contributions of Middle Eastern Countries to Artificial Intelligence in Business and Economics: A Scopus-Based Bibliometric Analysis
1	1:30 PM	1:45 PM	1		AI in Business	1	228	Javaria Umbreen, Samra Siddiqui, Fawad Ahmed, Seema Islam, Muhammad Umar, Maryam Nawaz and Muhammad Waleed Khalid	Leveraging AI For Enhancing Income Stability, Financial Inclusion And Job Quality In Freelance Marketplace: Ensuring Sustainable Future For Underserved Communities
1	1:45 PM	2:00 PM	1		AI in Business	1	245	Wei Hong, Chen Cao, Shahid Nazir Bhatti and Rahat Izhar	Artificial Intelligence Human Resource Management Ethic Concerns among Middle-level Managers in High-Tech Corporations: Word Frequency, Sentiment and Theme Analysis
1	1:00 PM	1:15 PM	2		AI in E-Health and Sport Science	1	60	Muhammad Luthfi Hidayat, Istiak Ahmad, Moh Hasbi Assidiqi, Tariq J. S. Khanzada and Maram Meccawy	Knowledge Discovery and Scientometric Analysis of Conversational Artificial Intelligence (CAI) for Mental Health
1	1:15 PM	1:30 PM	2		AI in E-Health and Sport Science	1	73	Samra Siddiqui, Junaid Ali Khan and Fawad Ahmed	Ensemble Model for Medical Diagnostics: A Hybrid Approach to Improve Prediction Accuracy
1	1:30 PM	1:45 PM	2		AI in E-Health and Sport Science	1	76	Abdullah M. Almutairi, Rami H. Alshebl and Dina M. Ibrahim	Deep Learning-Based Detection of Retinoblastoma: A Comparative Study of CNN Architectures
1	1:45 PM	2:00 PM	2		AI in E-Health and Sport Science	1	184	Makhlouf Derdour, Amira Bouamrane, Nacima Mellal, Akram Bennour, Abdellah Kouzou and Mohamed Deriche	An Explainable Federated Learning Approach for Pulmonary Nodules Diagnosis
1	1:00 PM	1:15 PM	3	4	AI-CyberSec	1	5	Ahmad Faizal Tajuddin, Mohammad Hafiz Mohd Yusof, Mohammed Balfaqih, Akram A. Almohammedi, Fares A. Dael and Nadhem Qaid	Developing Secure MFA through QR code, SHA-256 OTP & Device Verification
1	1:15 PM	1:30 PM	3		AI-CyberSec	1	26	Dhuha Bakr Baqarish, Jumana Naser Alahmadi and Asia Othman Aljahdali	Phishing Email Detection Using Machine Learning Algorithms
1	1:30 PM	1:45 PM	3		AI-CyberSec	1	52	Sana Al-Qubati	Integrating Artificial Intelligence and Distributed Ledger Technology for Enhanced Cybersecurity: Opportunities and Challenges
1	1:45 PM	2:00 PM	3		AI-CyberSec	1	64	Sally Alqarni, Asia Aljahdali and Safa Alsafari	Linux Ransomware Analysis and Detection Using Machine Learning and Deep Learning Approaches
								Break	
2	3:00 PM	3:15 AM	1	8	AI in Business	1	248	Fawad Ahmed, Jawwad Ahmad, Javaria Umbreen and Samra Siddiqui	Leadership in the AI Era: Transactional and Transformational Leadership in AI-driven companies
2	3:15 PM	3:30 PM	1		AI in Smart Environment	1	40	Hanan Almalki and Mahmoud Rajab	Smart Parking in Sustainable Innovation: Challenges and Future Perspectives
2	3:30 PM	3:45 PM	1		AI in Smart Environment	1	251	Fotoon Shaqrah and Dawlah Alsulami	Forecasting Carbon Dioxide Emissions from Domestic Flights in the Kingdom of Saudi Arabia: An Artificial Intelligence-Driven Approach
2	3:45 PM	4:00 PM	1		AI in Smart Environment	1	102	Alvin Alon	Rice Grain Classification Using Machine Vision Transfer Learning
2	4:00 PM	4:15 PM	1		AI in Smart Environment	1	134	Linah Alakwaa, Shadad Alhothli and Raghad Alhashmi	Smart City Infrastructure: Exploring the Role of IoT and AI — A Survey
2	4:15 PM	4:30 PM	1		AI in Smart Environment	1	142	Raghad Alamri, Arjwan Alharbi, Ruba Alsulami, Jawhara Alghamdi, Teif Alghamdi and Manal Linjawi	Detecting Visual Pollution with AI and Drone Technology
2	4:30 PM	4:45 PM	1		AI in Smart Environment	1	280	Atesam Abdullah, Raja Hashim Ali, Rand Kouatly, Talha Ali Khan and Iftikhar Ahmed	Enhancing Student Retention: Predictive Machine Learning Models for Identifying and Preventing University Dropout
2	4:45 PM	5:00 PM	1		AI in Communication and Media Design	1	243	Renuga K, Rahat Izhar and Shahid Nazir Bhatti	Examining the Role of AI Experience in Shaping Consumer Attitudes and Adoption Behavior in Social Media Marketing
2	3:00 PM	3:15 AM	2	8	AI in E-Health and Sport Science	1	222	Muhammad Zubair, Helmi B Md Rais B Md Rais, Fasee Ullah, Talal Alazemi, Abdus Samad, Farrukh Hassan and Abid Saeed	EHformer: An Enhanced Hformer with Attention-Based Multi-Level Feature Fusion and Skip Connections for Low-Dose CT Image Denoising
2	3:15 PM	3:30 PM	2		AI in E-Health and Sport Science	1	237	Alvin Alon	Deep Transfer Learning-Based Fecal Parasitic Recognition Using P3 Prototype Slide Scanner Imagery
2	3:30 PM	3:45 PM	2		AI in E-Health and Sport Science	1	272	Eddabbah Mohamed, Charafeddine Aitzaouiat and Nadia Hachoumi	Design of a Smart and Adaptive Wearable Device for Early Detection of Cardiovascular Abnormalities with Secure and Sustainable IoT Integration
2	3:45 PM	4:00 PM	2		AI in E-Health and Sport Science	1	300	Khalyl Al-Ghamdi, Abdullah Alghamdi, Raied Abohejji and Mohammad Alqahtani	Enhance Breast Cancer Diagnosis Using Deep Learning Models On Mammogram Images in Saudi Arabia
2	4:00 PM	4:15 PM	2		AI in E-Health and Sport Science	1	239	Jennifer Pilante	A Unified Neural Network Framework for Consistent and Efficient Real-time Object Detection of Early Longitudinal Melanonychia
2	4:15 PM	4:30 PM	2		AI in E-Health and Sport Science	1	203	Hanan Amin, Walaa Abd-Elhafize and Ayman Saad	A Novel Deep Learning Model for Recognition of Bone Fractures in X-Ray Images
2	4:30 PM	4:45 PM	2		AI in Robotics	1	98	Jonel Macalisang	Intelligent Robotic Detection of Cigarette Butts: A Neural Network Approach for Visual Pollution Monitoring
2	4:45 PM	5:00 PM	2		AI in Robotics	1	101	Alvin Alon	Robotic Vision for Recognizing Chemical Apparatus with Advanced Neural Networks
2	3:00 PM	3:15 AM	3	8	AI-CyberSec	1	128	Seethal Manohar, Mandar Gogate, Adeel Hussain, Jawad Ahmad, Amir Hussain and Kia Dashtipour	HARNESSING UNSUPERVISED AND SUPERVISED MACHINE LEARNING TO IMPROVE THE DETECTION OF CYBER ATTACKS ACROSS MALWARE DATA
2	3:15 PM	3:30 PM	3		AI-CyberSec	1	144	Razan Alghanmi, Shahad Kulaibi, Jana Alghamdi and Elaf Bahashwan	HuntSmart: Hypothesis-driven threat hunting using genAI
2	3:30 PM	3:45 PM	3		AI-CyberSec	1	116	Muhammad Zeeshan, Muzamil Khan, Asad Ali Shah and Choudhry Tanzeel	Cybersecurity Meets AI: Encrypted Traffic Classification using Bidirectional LSTM and CNN Architecture
2	3:45 PM	4:00 PM	3		AI-CyberSec	1	185	Rajitha Sindhula and Pradeep Sunkari	EFSMDCD:Method for Detecting and Categorzing Dos and DDoS Attacks using Ensemble Feature Selection
2	4:00 PM	4:15 PM	3		AI-CyberSec	1	224	Ali Alzuabidi and Sakher Ghanem	Arabic SMS Spam Detection
2	4:15 PM	4:30 PM	3		AI-CyberSec	1	233	Afifa Maryam, Noor Fatima, Muhammad Zeeshan, Shahzad Saleem and Inam Ullah	Secure Synthetic Image Generation Using Self-Attention GAN and Blockchain
2	4:30 PM	4:45 PM	3		AI-CyberSec	1	285	Mohamed M. Helal, Mervat Abu-Elkheir and Maggie Mashaly	A Generative AI Framework for Cloud Security: Automated Attack Simulation and Threat Detection
2	4:45 PM	5:00 PM	3		AI in Petroleum & Chemical Engineering	1	249	M. Irfan Khan, Suriati Sufian, Farrukh Hassan, Muhammad Farooq, Rashid Shamsuddin and Junaid Afridi	Deep learning model for prediction of methylene blue adsorption on activated carbon geopolymer composite adsorbent
								END First Day	
3	11:00 AM	11:15 AM	1	8	AI in Smart Environment	1	201	Mashael M Khayyat Khayyat, Safa Habibullah, Hadeel Algheffari, Manar Almaabadi, Wejdan Alshehri and Razan Alghamdi	Towards a Smart and Safe Campus with COVID-19 Detection Automation System
3	11:15 AM	11:30 AM	1		AI in Smart Environment	1	282	Ghazaleh Alizadehbirjandi, Raja Hashim Ali, Rand Kouatly, Talha Ali Khan and Iftikhar Ahmed	Solving N-Queens Problem using Exhaustive Search and a novel Genetic Algorithm
3	11:30 AM	11:45 AM	1		AI in Smart Environment	1	259	Mansour Al-Dhaher, Abdulmajeed Al-Harbi, Nourah Janbi, Saad Alqahtany, Abdulwahab Almazroi and Rashid Mehmood	Enhancing Pilgrimage Safety and Efficiency in Makkah and Madinah Using AI and Edge Computing
3	11:45 AM	12:00 PM	1		AI in Smart Environment	1	262	Naveed Imran, Sana Hameed, Jian Zhang, Abdul Rehman and Radwa El Burari	mm-EmoIoT: Decoding Emotions from Upper Body Gestures via mm-wave Sensing for Smart Home Applications
3	12:00 PM	12:15 PM	1		AI in Smart Environment	1	269	Maha Alharbi, Raneem Alrumaihi and Dina Ibrahim	Deep Learning for Date Palm Disease Detection
3	12:15 PM	12:30 PM	1		AI in Smart Environment	1	271	Naif Alayaid, Musaed Albaidhani, Abdulrahman Alghamdi, Rowaid Sindi, Azzam Alharbi and Sakher Ghanem	Deep learning-based vegetation monitoring using the NDVI index
3	12:30 PM	12:45 PM	1		AI in Smart Environment	1	236	Usama Athar, Muhammad Ali, Zuhair Zafar, Haris Khurshid, Karsten Berns and Muhammad Moazam Fraz	Sunflower Lodging Detection and Monitoring Through UAV-Based Multispectral Data
3	12:45 PM	1:00 PM	1		AI in Smart Environment	1	289	Muhammad Haseeb Ishaq, Raja Hashim Ali, Rand Kouatly, Talha Ali Khan and Iftikhar Ahmed	Enhanced Biometric Security Through Infrared Vein Pattern Recognition
3	11:00 AM	11:15 AM	2	8	AI in Social Science	1	82	Shashi Kumar G S	Machine Learning Techniques for Electroencephalogram Signal-Based Human Emotion Recognition under Audio-Visual Stimuli
3	11:15 AM	11:30 AM	2		AI in Social Science	1	95	Ahmed Alqahtani, Jun Yan, Elena Vlahu-Gjorgievska and Cong Cao	Factors and Challenges Influencing Citizens' Adoption of AI-Enabled Public Services
3	11:30 AM	11:45 AM	2		AI-IoT-CC	1	9	Amjaad Aljadani, Meaad Alseraihi, Samar Alsahafi, Maryam Alzein and Salma Elhag	Enhancing Timeliness and Accuracy in Blood Transportation through Drone Technology in Saudi Arabia's Government Clinic
3	11:45 AM	12:00 PM	2		AI-IoT-CC	1	180	Mohammad Alnakhli	Optimizing Energy Efficiency in Multi-UAV IoT Networks Using Deep Q-Networks (DQN)
3	12:00 PM	12:15 PM	2		AI-IoT-CC	1	206	Zameer Ahmad, Dr. Nibras Abdullah, Ola A.Alwesabi and Mohd Adib Omar	Support Vector Machines and Intelligent Irrigation Systems: A Scoping Review
3	12:15 PM	12:30 PM	2		AI-IoT-CC	1	250	Mazhar Iqbal, Asad Shah, Rafia Mumtaz and Abdulwahab Almazroi	Suitability Analysis for Incorporating Smart Waste Management using Internet of Things
3	12:30 PM	12:45 PM	2		AI in Green & Renewable Energy Mgmt	1	115	Walid Mchara, Lazhar Manai, Mohamed Abdellati Khalfa, Anis Koubaa and Monia Raissi	Smart Health State Diagnosis of Lithium-Ion Batteries Using Wavelet-Enhanced Hybrid Deep Learning with an Attention Mechanism
3	12:45 PM	1:00 PM	2		AI in Green & Renewable Energy Mgmt	1	116	Walid Mchara, Lazhar Manai, Mohamed Abdellati Khalfa, Anis Koubaa and Monia Raissi	An Advanced Forecasting Model for Global Irradiance in Solar Electric Vehicles Using a Fuzzy C-Means-CNN-Wavelet BiLSTM Network with an Attention Mechanism
3	11:00 AM	11:15 AM	3	8	AI-CyberSec	1	265	Dalila Boughaci, Anis Boutiche and Akram Haridi	Clustering and feature selection based approach for detecting Attacks in SDN Networks
3	11:15 AM	11:30 AM	3		AI-CyberSec	1	293	Ibrahim Gad, Abubakr Al-Asimali, Manjaiah D. H., Hasan Hashim, Abdulqader M. Almars and El-Sayed Atlam	Enhancing Network Security: Robust Anomaly Detection with Ensemble Learning and Explainable AI
3	11:30 AM	11:45 AM	3		AI in Communication and Media Design	1	168	Mohammed Alhammaly, Abdullah Alyousef, Ahmed Al Hunen, Alwaleed Alzuraiq and Turki Albaiji	Systematic Review of the AI Methods for Sentiment Analysis on Social Media
3	11:45 AM	12:00 PM	3		AI in Communication and Media Design	1	202	Amal Alshahrani, Maysaa Aljafi, Lujain Alsayed, Huda Ziniy, Roa'A Bukhari and Hala Jalal	Sign Recognition in Multiple Sign Languages Using Neural Network Techniques
3	12:00 PM	12:15 PM	3		AI in Communication and Media Design	1	204	Sara Almuraytib and Leena Alqurashi	Fake Image Detection in Fake News Using Convolutional Neural Network (CNN)
3	12:15 PM	12:30 PM	3		AI in Communication and Media Design	1	205	Ghadi Almjayshi, Zainab Alobaidi, Nesreen Alharthi, Waad Aldhahri and Fatma Abdelhadi	DESIGN OF AI-POWERED EEG SYSTEM TO TRANSLATE THOUGHTS TO WORDS
3	12:30 PM	12:45 PM	3		Ai in Big data & Analytics	1	24	Norah Alalhareth	Optimizing Edge Computing Performance through Big Data-Driven Load Balancing and Task Offloading Strategies
3	12:45 PM	1:00 PM	3		Ai in Big data & Analytics	1	74	Asmaa Alahmari and Laila Nassef	Comprehensive Comparative Study of CPU, GPU, and TPU Performance for Neural Network Architectures Across Diverse Datasets
								Break	
4	2:30 PM	2:45 PM	1	9	AI in Smart Environment	1	48	Manjula Gururaj Rao, Ahamed Shafeeq Battappady Mahammad, Shaun Noronha and Tanvir Habib Sardar	An Intelligent System for Assessing the Ripeness of Tropical Fruits with Machine Learning Techniques
4	2:45 PM	3:00 PM	1		AI in Smart Environment	1	80	Faizan Hamayat, Muhammad Umer Mujahid, Jawad Ahmad and Rana Fayyaz Ahmad	A Deep Learning based Framework for Energy Consumption Prediction and Anomaly Detection in Residential Buildings
4	3:00 PM	3:15 PM	1		AI in Smart Environment	1	257	Faizan Hamayat, Humza Fazal Abbasi, Muhammad Sohail and Rana Fayyaz Ahmad	DAELocNet: An AI-Enabled Indoor Localization for Accurate Positioning in Modern Buildings using Wireless Communication Technologies
4	3:15 PM	3:30 PM	1		AI in Logistics	1	121	Nourhan Nasib and Shahenda Haraz	The Role of Artificial Intelligence in Optimizing Supply Chain Efficiency in Smart Logistics
4	3:30 PM	3:45 PM	1		AI in Logistics	1	129	Tarek Abudawood, Hamza Ahmed, Mohammed Alrasheed and Abdullah Alzeer	The use of Generative AI, Optimization Algorithms, and IoT Technologies in Enhancing Pilgrims' Journey
4	3:45 PM	4:00 PM	1		AI in Logistics	1	210	Omar Alghushairy	Enhancing Global Logistics Forecasting: Leveraging Machine Learning Approaches for Predicting Import and Export Flows
4	4:00 PM	4:15 PM	1		AI in Logistics	1	298	Khlood Alamoudi, Muntaha Aldhari, Jood Aljehani, Rawan Hassoubah and Sadeem Alzahrani	Machine learning based Social Media Sentiment Analysis for Predicting Flight Delays in US Airlines
4	4:15 PM	4:30 PM	1		AI in Logistics	1	59	Issam Zidi	Optimizing a Dynamic Transport on Demand Problem Using the Multi-Objective Particle Swarm Optimization Algorithm
4	4:30 PM	4:45 PM	1		AI in E-Health and Sport Science	1	308	Fahd Alqarni, Ahmad Samak and Khalid Alqarni	An Intelligent and Secure Model for Hiding Patients Information in Medical Images
4	2:30 PM	2:45 PM	2	8	AI in Green & Renewable Energy Mgmt	1	143	Ali Teta, Ahmed Chennana, Maissa Medkour and Ali Cheknane	Transfer learning-based partial shading detection in grid-tied photovoltaic systems for low-cost edge devices
4	2:45 PM	3:00 PM	2		AI in Green & Renewable Energy Mgmt	1	211	Waqas Ullah and Muhammad Khan	FSDI: A Holistic Framework for Sustainability-Driven Innovation
4	3:00 PM	3:15 PM	2		AI in Green & Renewable Energy Mgmt	1	256	Walid Mchara, Lazhar Manai, Mohamed Abdellati Khalfa, Anis Koubaa, Monia Raissi and Salah Hannachi	A Photovoltaic Power Prediction Model for Solar Electric Vehicles Using Convolutional Neural Networks and Masked Multi-Head Attention Mechanism
4	3:15 PM	3:30 PM	2		AI in Linguistics	1	173	Seemab Hameed and Dr. Muhammad Wasim	Interpretable BERT and RoBERTa based Fake News Detection using LiME
4	3:30 PM	3:45 PM	2		AI in Linguistics	1	247	Maha Zainab, Asad Shah, Sharifullah Khan, Seemab Latif, Safdar Khan and Abdulwahab Almazroi	News Credibility Identification on Facebook
4	3:45 PM	4:00 PM	2		AI in Linguistics	1	75	Zaid Alqudsi and Muhammad Bilal	Detecting meter of Arabic poetry using deep Learning: Testing Parameters and Model Design
4	4:00 PM	4:15 PM	2		AI in Industrial Revolution	1	15	Roaya Alkunaidri, Lina Alakwaa, Shahad Alhothli and Salma Elhag	Blockchain Technology Implementation in Telemedicine—A Case Study on Sehhaty Platform in Saudi Arabia.
4	4:15 PM	4:30 PM	2		AI in Industrial Revolution	1	147	Abdulaziz Alotaibi	Toward Adopting Artificial Intelligence to Improve Construction Industry in Saudi Arabia
4	2:30 PM	2:45 PM	3		Ai in Big data & Analytics	1	107	Ayesha Seerat and Muhammad Wasim	Leveraging Dual GNNs and BERT for Context-Aware Rumor Detection in Social Networks
4	2:45 PM	3:00 PM	3		Ai in Big data & Analytics	1	169	Mohammed Alasli	A Survey with Practical Demonstration on Acceleration of Machine Learning Models
4	3:00 PM	3:15 PM	3		Ai in Big data & Analytics	1	220	Nawraz Saeed, Maggie Mashaly and Mohamed Ashour	Data Distribution Profiling for Clustered Federated Learning in Extreme NIID Settings
4	3:15 PM	3:30 PM	3		Ai in Big data & Analytics	1	296	Faisal Mahrous, Hamad Abu-Leif, Turki Modyiq, Hammam Alghamdi, Khulud Alsaedi and Abdullah Algamdi	Towards Privacy-Preserving Big Data Analysis With Decentralized Learning for ROP Imaging
4	3:30 PM	3:45 PM	3		AI in Smart Education	1	81	Israr Rehman, Zulfiqar Ali and Zahoor Jan	Fed-RLCL: Federated Reinforcement Learning with Curriculum Learning for Adaptive Content Sequencing
4	3:45 PM	4:00 PM	3		AI in Smart Education	1	297	Hadir Orkouby, Eman Redwan, Layan Alahmadi, Sarah Mahalawi and Ghada Alharbi	Autoamtic Assessment of Short Answer Questions
4	4:00 PM	4:15 PM	3		AI in Smart Education	1	67	Miada Almasre and Norah Al-Malki	Expert and LLM Evaluation of LearnShield: A Generative AI Recomnadation Application in E-Learning Environments
4	4:15 PM	4:30 PM	3		AI in Graphic Design	1	84	Agus Eko Minarno, Indah Soesanti and Hanung Adi Nugroho	Batik GAN for Generating Motif Synthesis using Multi-Discriminator and Self-Attention