

IEEE (ICEBE 2025) International Conference on E-Business Engineering

10-12 November 2025

Mustaqbal University, Buraydah, Saudi Arabia

Day1: 10 November			
Time		Title	Presenter
9:30 to 11:00		Building Agentic AI Systems: A Practical Guide with LLMs and Retrieval-Augmented Generation	Dr Charles Liu, Imani Abayakoon, UTS
11:00 to 11:15		Coffee Break	
11:15 to 12:45		Autonomous Agents, Smart Contracts and Distributed Ledgers for engineering trust in the Carbon economy	Dr Asma Alkhalaf, Dr Asma Mistadi
12:45 to 1:00		Alduhr Prayer (11:52)	
01:00 to 1:45		Lunch & Networking	
Parallel	1:45 to 3:15	Agentic AI	Dr Riyadh Alshammari, SDAIA
		How to build your own AI Agent	Dr. Abdulaziz AlMaslukh, SITE
3:15 to 3:45		Al-Asr Prayer (2:54) + Coffee Break	
3:45 to 4:35		Lecture or speech: Artificial Intelligence for Leaders and Decision-Makers	Eng. Fayyad Bayan

Day 2: 11 November	
Time	Session
9:00 to 9:30	Registration & Networking
9:30 to 10:00	Opening Ceremony: - Welcome Speech by Conference Chair - Introduction of Sponsors & Partners
10:00 to 11:00	Keynote Speech 1: Prof. Ali Shoker
11:00 to 11:15	Coffee Break
11:15 to 01:15	Parallel Sessions1 (Papers – Track 1, 2, 3, 4)
01:15 to 01:30	Alduhr Prayer (11:52)
01:30 to 02:15	Lunch & Networking
02:15 to 03:45	Panel Discussion 1 Moderator: Mr. Abdullh Aldosari Panellists: - Dr.Mazen Shawosh - Ahmed AlSaleh - Dr. Riyadh Alshammari
03:45 to 04:10	Al-Asr Prayer (2:54) + Coffee Break
04:10 to 05:30	Parallel Sessions 2 (Papers – Track 5, 6, 7, 8)

Day 3: 12 November	
Time	Session
9:00 to 9:30	Registration & Networking
9:30 to 10:30	Keynote Speech 2: Ms. Fadwa Saad AlBawardi
10:30 to 10:45	Coffee Break
10:45 to 12:15	Panel Discussion 2 Moderator: Prof. Ali Shoker Panellists: - Dr. Naved Ahmed. - Arwa Alhamed. - Dr. Ed Salim.
12:15 to 12:30	Alduhr Prayer (11:52)
12:30 to 1:30	Lunch & Networking
1:30 to 2:50	Parallel Sessions 3 (Papers – Track 9, 10, 11, 12)
2:50 to 3:30	Al-Asr Prayer (2:54) + Networking Coffee

Parallel Sessions

11 November				
Parallel Sessions 1 (Full paper 16) each session (30 minutes)				
	Track 1	Track 2	Track 3	Track 4
11:15-11:45	Marwa Mustafa, Firas Al-Doghman, Farookh Hussain, Mohamed Awadallah and Mohammed Ali. The Role of Explainable AI in Knowledge Graph-Based Drug Repurposing: Bridging Trust and Discovery	Nuo Chen, Han Yu, Bingqing Shen, Tieying Li and Hongming Cai. An AP-based Drone Swarm Clustering Framework for Efficient and Reliable Service Discovery	Kheira Cherad, Imen Benzarti, Abderrahmane Leshob and Hafedh Mili. From Scenario to Case Model: Generating CMMN Models from Natural Language with Large Language Models	Sumayah Alwadei, Albatoool Al-Sama, Fatimah Alkhunjuf, Awsaf Alharthi, Shahad Madkhli and Muzun Al Kulayb Aydi: An AI-Powered App to Teach Saudi Sign Language
11:45 – 12:15	Chong Sun, Hao Hu, Huili Zhang, Enqing Wu and Jiahao Yan LLM-Mv: An LLM-Enhanced Materialized View-Based Query Rewriting System	Min Zhu, Jianwei Song, Chenghang Liu, Jingjing Ai, Xirui Xiong and Hongming Cai Ship Design Report Generation Based on Large Language Models	Man-Lin Chu, Lucian Terhorst, Kadin Reed, Tom Ni, Weiwei Chen and Rongyu Lin LLM-Based Multi-Agent System for Simulating and Analyzing Marketing and Consumer Behavior	Fatma Masmoudi, Norah Al-Qahtani, Latifah Al-Tamimi, Munirah Al-Fehaid, Ghoud Al-Dosari and Mai Al-Dosari Exploratory Data Analysis and Computer Vision approach for traffic accidents in Saudi Arabia
12:15-12:45	Marwa Mustafa, Firas Al-Doghman, Farookh Hussain, Mohamed Awadallah and Mohammed Ali Explainable AI for Knowledge Graph-Based Drug Repurposing: Methods, Challenges, and Interpretability Frameworks	Wensi Jiang, Yu Zhang, Min Wang, Huadong Mo, Omar Hussain, Daoyi Dong and Wenjie Zhang Tracking Academic Topic Evolution from the Perspective of Author Interest Shifts	Syed Sohail Ahmed and Omar Alamro Internet of Things – Based Novel Approach to Integrate with Smart Irrigation System	Rasha Aljaafreh, Farookh Hussain and Firas Al-Doghman A Practical Machine Learning Framework for Enhanced Cyber Threat Detection in Digital Supply Chains: Simulation and Applied Evaluation
12:45 – 1:15	Guan-Hong Lai, Shang-Pin Ma and An-Yu Li LLM-Powered ChatOps Approach to Microservice Deployment Pipeline Automation and Monitoring	Zheru Dong, Wensi Jiang, Lili Dai, Omar Hussain and Yu Zhang Beyond Matching: An LLM-Based Diagnose of SDG Misalignment in University Curriculum	Mohanad Almallki, Abdullah Abualhamayl, Abdulmajeed Alyoubi, Yasir Alyoubi, Firas Al-Doghman and Farookh Khadeer Hussain A Blockchain-Based Framework for Evaluating User Identity Trustworthiness in Real Estate	Liviu-Andrei Enache, José A. Paredes and Arturo Araujo AI-Driven Business Intelligence for E-Commerce in Traditional Industries: A Case Study of Romania's Wine Sector

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Parallel Sessions 2 (paper 16) each session (20 minutes)

	Track 5	Track 6	Track 7	Track 8
04:10 - 04:30	Abdullah Baihan A new secure imaging continuum computing system for diagnosis of diseases in healthcare organizations	Wael Jefry, Farookh Hussain and Firas Al-Doghman Enhancing BERT-LA: Robustness Analysis with Augmented Data for English-Arabic Sentiment Classification	Safar Albaqami, Maziar Nekovee and Imran Khan IoT Cybersecurity Risk Perception and Response Strategies Among Tech Startups in Saudi Arabia: A Data-Driven Study	Niddal Imam and Mohammed Busaleh Security-by-Design in DevSecOps: Evaluating Docker Hardening Against a Real-World Vulnerability
04:30 – 04:50	Abdullah Abualhamayl, Mohaned Almalki, Firas Al-Doghman, Abdulmajeed Abdumuti A Alyoubi and Farookh Hussain Blockchain Framework for Shared Real Estate Ownership Certification Using Fractional NFTs	Zeming Chen, Ziqi Liu, Jianwei Song, Kun Jiang, Pan Hu and Hongming Cai Lightweight Computing Framework for Ship CAD Models in Large-Scale Collaborative Design Scenarios	Zheng Xu and Yinsheng Li A User-Centered System for Reliable Cross-Border Trade Fraud Detection	Nasser Aldosari and Farookh Hussain LoRA-Enhanced LLM Fine-Tuning with Legal Dataset Generation for Multi-Component Financial Extraction: Zero-Shot vs Few-Shot Evaluation Framework for Gulf States HR Benefits Calculation
04:50- 05:10	Zhuangzhuang Li and Hua Luo The Impact of Demand-side and Supply-Side Policies on the Diffusion of Electric Vehicles: An Evolutionary Game Model Based on Q-Learning and a Two-Layer Small-World Network	Abdulmajeed Alyoubi, Abdullah Abualhamayl, Mohanad Almalki, Yasir Alyoubi, Firas Al-Doghman and Farookh Khadeer Hussain A Blockchain-Based Reputation Borrowing Model to Address the Cold Start Problem for New Users in Real Estate	Mohammed Alghafis and Sulaiman Altami Digital Twins for Historic Mosque: A Digital Transformation Strategy for Heritage Preservation	Ahmed E. Mansour Atwa Predicting Cart Abandonment Using Machine Learning
05:10 – 05:30	Ahmad Alelaimat, Fairouz Hussein and Ali Aljaafreh Explainable Execution of Socio-Technical Processes	Jiangqing Wang, Enqing Wu, Chong Sun, Fan Yin, Ruiyu Chen and Hao Hu JRTRL: A Joint Recommendation Method for Indexes and Materialized Views Based on Transfer Reinforcement Learning	Chong Sun, Ruiyu Chen, Meng Xia, Jin Xie, Enqing Wu and Ziheng Han MOCHA:Memory-Optimized Learned Index Based on Chameleon	Mahnaz Reza Hosseini, Naeem Janjua, Ahmad Mohsin and Saeed Ur Rahman Generating Test Cases with Large Language Model: Frameworks and Challenges

12 November
Parallel Sessions 1 (paper 13) each session (20 minutes)

	Track 9	Track 10	Track 11	Track 12
01:30-01:50	Tamara Abdulmunim Abduljabbar Blockchain Technologies and Their Applications in E-Business Ecosystems	Bedour Almudaiheem and Nada Alshamrani The Role of AI driven MIS in Enhancing Strategic Management and Operational Efficiency in the Healthcare Industry	Naif Alotaibi, Madhushi Bandara and Morteza Saberi Automated Opportunity Recommendation through Decision Tree-Based Pattern Recognition and Rule-Driven Inference	Muhammad Jamil Evolutionary algorithm behavior to optimize the IOT scheduling problem
01:50 – 02:10	Adil Hammadi, Zeeshan Ahmad and Jamshaid Ashraf Digital Twin-Enabled Condition Monitoring System for Excavator Bucket: A Case Study	Aljwharah Alsamaani, Riyadh Almakki and Waeal J.Obidallah Real-Time Child Detection Using YOLO Architectures for Enhanced Safety Applications	Abdullah Bin Sawad, Mohammed Althubyani, Sultan Alharbi, Abdulrhman Alorini, Naif Alotaibi, Bhuva Narayan, Shanshan Lin, Mukesh Prasad, A. Baki Kocaballi and Wael Jefry Advancing Prediabetes Care with Personalised Conversational Agents	Adel Alluhayb, Saeed Ur Rehman and Naeem Janjua Cyber Hygiene Awareness and Practices among Saudi Micro and Small Enterprises
02:10 - 02:30	Ahmed Abaker Decentralized Supply Chain Management: A Blockchain Framework for Transparency and Traceability	Mohamad Alrfaay and Aref Kurdali Opportunistic Networking as a Solution for Efficient Data Dissemination in Short-Duration Events: A Conference Case Study	Redouane Blal, Abdrerrahmane Leshob, Hamed Mili, Omar Hussain and Pierre Hadaya Deriving Software Services and Goals they Achieve from Business Process Models	Md Kamruzzaman, Ripon Kumar Chakraborty, Pankaj Sharma, Hamed Aboutorab and Mohammad Nuruzzaman Impact of Centrelink recipients in loan eligibility prediction using ML model
02:30 – 02:50	Saeed Alshahrani Artificial Intelligence for Tourism Analytics: Predicting Travel Intentions from YouTube and Influencer Dynamics: Case Study of Riyadh			