



Western Saudi Arabia Section

ICAISC 2025

The 2nd International Conference on Advanced Innovations in Smart Cities

Day 3: 11-02-2025

ROOM 204-1: Interactive board

Zoom Link													
https://us02web.zoom.us/j/84844151583?pwd=iHzQ6FXTi0soudXCy2xNXeUfpAdqvl.1													
Room Supervisor					Dr.Ahmad Hamad					IT:Hassan			
Registration	Session 1				Break	Session 2				Closing Session	Prizes		
08:30	9:00				10:20	10:30				12:00	12:30		
09:00	10:20				10:30	11:50				12:30	01:00		
Session Chair	Prof. Khalid Albahnasy			AI	Time	Session Chair	Dr. Haneen Bawayan + Dr. Ehab Abubakr			AI	Time	Theater	Theater
Paper ID	Title			Authors	Paper ID	Title			Authors				
178	Classification of Diabetes Using Ensemble and Individual Machine Learning Algorithms			Helmi Imaduddin, Widi Widayat and Fiddin Yusufida A'la	9:00 - 9:20	213	Social Media Multi-Emotion Detection			Soha Ibrahim, Bahy Mohammed, Mohammed Ahmed and Khaled Elbahnasy	10:30 - 10:50		
184	Review on Artificial Intelligence Techniques For Recognizing Arabic Sign Language			Taghreed Al-Jarboi and Wael Yafooz	9:20 - 9:40	47	Deep Reinforcement Learning for Travel Sequence Recommendations: A Dubai Case Study			Razan Al Bayouk, Zaher Al Aghbari and Imad Afyouni	10:50=11:10		
185	Anomaly Detection in Industrial Machinery Using Machine Learning and Deep Learning Techniques with Vibration Data for Predictive Maintenance			Md Ismail Hossain, Shahinuzzaman Sanim, S. M. Kamruzzaman, Md. Shaoran Sayem, Mahfuja Yesmin and Abu Shufian	9:40 - 10:00	26	Innovative Eye-Tracking and Blink Detection System for Empowering Disabled Users through Assistive Technology			Reem Bafrah, Manar Alghamdi, Rola Alaryani and Rania Elmanfaloty	11:10 - 11:30		
211	Selfish-free Influential Nodes Detection in Mobile Social Networks			Doaa Abdelmohsen, Tamer Abdelkader, Mohamed Hamdy and Khaled Elbahnasy	10:00 - 10:20	214	AI-Driven Multi-Crop Disease Detection and Classification Using Deep Learning			Hanan Faisal, Ali Muna and Khaled Elbahnasy	11:30 - 11:50		

ROOM 207-1: Interactive board

Zoom Link													
https://us02web.zoom.us/j/85195143481?pwd=6wnTY1J2ShWZaT38wmqhw8tlbdCYam.1													
Room Supervisor					Mr. Faisal Alshamiri					IT:Adel			
Registration	Session 1				Break	Session 2				Closing Session	Prizes		
08:30	9:00				10:20	10:30				12:00	12:30		
09:00	10:20				10:30	11:50				12:30	01:00		
Session Chair	Dr. Mohammed Khamis			ICT	Time	Session Chair	Dr. Mohammed Khamis			ICT	Time	Theater	Theater
Paper ID	Title			Authors	Paper ID	Title			Authors				
169	Sustainable Energy Generation Trends - Insights from Python Analysis			Hasanur Zaman Anonto, Md Ismail Hossain, Al Shahriar Zishan, Md Akteruzzaman, Md Ashikul Islam and Abu Shufian	9:00 - 9:20	145	Blockchain-Driven Smart Cities: Review of Key Applications and Emerging Trends			Kesara Wimal, Gary Cullen and John Donovan	10:30 - 10:50		
177	A Comprehensive Study of Microservices Architecture in Comparison with SOA and Monolithic Models			Chowdhury Abida Anjum Era, Syada Tasmia Alvi, Md. Sohel Rana and Sadia Jannat Mitu	9:20 - 9:40	130	Predictive Modeling of Battery Second-Life Performance Using Support Vector Regression and Voltage Features			Md Ismail Hossain, Nasif Hannan, Hridoy Das, Md. Ashiqur Rahman Akash, Md Saqid Ashraf and Abu Shufian	10:50=11:10		
182	Dual Band LoRa/GPS Dipole Antenna with Harmonic Suppression Capability			Shipun Anuar Hamzah, Mohd Noh Dalimin, Khairun Nidzam Ramli, Fauziahanim Che Seman, Wahyu Mulyo Utomo, Bilal A Khawaja, Shahilah Nordin, Muladi Muladi and Muhammad Sani Yahya	9:40 - 10:00	70	Optimized Hardware Implementation of FOC for BLDCs in UAVs Using a 2-DOF PI (Blended PI-IP) Controller and PSO			Abd Alati Ahmed, Steven Liu and Gerry Vincent Geyer	11:10 - 11:30		
190	Semiconductor Manufacturing Industry: Assessment, Challenges, and Future Trends			Khalid Tantawi, Yasmin Musa, Maged Mikhail, Jeffrey Ma, Dalal Alharthi, Larry Flatt and Lyn Potter	10:00 - 10:20	216	Secure Pilgrims Assistance System using an Augmented Reality			Amnah Alsulami	11:30 - 11:50		

ROOM 213-1: Interactive board

Zoom Link													
https://us02web.zoom.us/j/81518056563?pwd=K2qbwX9DB0IMZVakrb6igHQEMzKwHu.1													
Room Supervisor					Mr. Ali Faqih					IT:Eng.Rafat			
Registration	Session 1				Break	Session 2				Closing Session	Prizes		
08:30	9:00				10:20	10:30				12:00	12:30		
09:00	10:20				10:30	11:50				12:30	01:00		
Session Chair	Dr. Haneen Bawayan + Dr. Ehab Abubakr			IOT	Time	Session Chair	Dr. Nadine Akkari			Cybersecurity	Time	Theater	Theater
Paper ID	Title			Authors	Paper ID	Title			Authors				
77	Advanced IoT-Enabled Forest Management System for Wildfire Detection and Ecosystem Protection: A Case Study in the Sundarbans			Afroza Nahar, Md. Faruk Abdullah Al Sohan, Kazi Redwan and Mustakim Ahmed	9:00 - 9:20	17	Taafi - A Private and Secure Communication Application			Fahad Arshad, Abdullah Hassan, Mohannad Abu Shaker, Saud Aljohar and Bushra Al-Anesi	10:30 - 10:50		
113	A Bibliometric Analysis of Internet of Things (IoT) Research Trends on Electric Cars			Ajun Tri Setyoko, Rahmat Nurcahyo, Muhammad Suryanegara, Sik Sumaedi and Khairi Hindriyandhito	9:20 - 9:40	205	A Method for Assessing the Performance of Cryptographic Pseudorandom Number Generators Utilizing Artificial Neural Networks			Mohammed Aljohani and Hassanin Al-Barhamtoshy	10:50=11:10		
108	IoT-Enhanced Paper-Based Testing Model for the TOEFL Institutional Testing Program			Haris Haris, Basuki Wibawa, Moch Sukardjo, Daryanto Daryanto and Mahdiyah Mahdiyah	9:40 - 10:00	154	Energy Recovery and Power Management in EVs Using Supercapacitors and Regenerative Braking			Sowrov Komar Shib, Durjoy Roy Dipto, Md Tanvir Rahman, Md Ashikul Islam, Md Mahafuzul Islam and Abu Shufian	11:10 - 11:30		
212	Enabling Moving Services in Enterprise Computing			Mohamed Hamdy, Ahmed Samy, Mohamed Dahab and Khaled Elbahnasy	10:00 - 10:20	215	Generative AI in Computer Science Education: Insights from Topic Modeling and Text Network Analysis			May Alashwal	11:30 - 11:50		



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Zoom Link												
https://us02web.zoom.us/j/81510801954?pwd=sl_eQ0kba8IESRwNwBLE3crLyoRb0p1												
Room Supervisor					Mrs.Hayam Hasan					IT:Eng.Omar		
Registration	Session 1				Break	Session 2				Closing Session	Prizes	
08:30	9:00				10:20	10:30				12:00	12:30	
09:00	10:20				10:30	11:50				12:30	01:00	
	Session Chair	Dr. Zainab Rabea		Smart Cities	Time	Session Chair	Prof. Khalid Albahnasy		Smart Cities	Time	Theater	Theater
	Paper ID	Title		Authors		Paper ID	Title		Authors			
	119	Exploring AI Applications for Optimal Business Location Selection in Smart Cities: A Literature Review		Hala Alhazzaa, Farah Aljarboa, Jana Albelaihed, Joori Alqahtani, Reem Alhazzani, Sumayh Aljameel and Deemah Alqahtani	9:00 - 9:20	127	Toward AI-Driven Solutions for Smart Cities in KSA		Marwan Aljijakli and Nadine Akkari	10:30 - 10:50		
	134	YOLO Meets FedAVG: A Privacy-Preserving Approach to AV Object Detection		Nusaybah M.Alahdal, Felwa Abukhodair, Leila Haj Meftah and Asma Cherif	9:20 - 9:40	146	Metaverse Design Trends Shaping Smart Cities through Sentiment and Influencer Dynamics		Eman Alkhalifah	10:50=11:10		
	166	Reinforcement Learning for Intrusion Detection: Recent Advances and Datasets		Dalal Fathi, Afraa Attiah, Abeer Hakeem and Asmaa Cherif	9:40 - 10:00	156	A Framework for Overcoming Data Accessibility Challenges in Urban Microgrids for Smart Cities		Shievam Kashyap, Christoph Schaffer, Wieland Schwinger, Georg Hartner, Marc Kurz and Oliver Hoedl	11:10 - 11:30		
	151	A High-Performance 5G/6G Framework for Smart Cities Supporting Multi-Level Artificial Intelligence		Jeffrey Wallace, Miroslav Vukovic, Toni Karimovic and William Edwards	10:00 - 10:20	179	Zero-Trust Architecture for Smart City Healthcare Systems		Shahd Alsofyani, Mohammed Ishaque and Mostafa Nofal	11:30 - 11:50		

ROOM 217-1: Interactive board

Zoom Link												
https://us02web.zoom.us/j/83857913777?pwd=aaLjqK4mah9Lu4sUHWiojcfQIEuax.1												
Room Supervisor												
Registration	Session 1					Session 2				Closing Session	Prizes	
08:30	9:00					10:30				12:00	12:30	
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	Session Chair					Session Chair					Theater	Theater
	Paper ID	Title		Authors		Paper ID	Title		Authors			