



ICAISC 2025

The 2nd International Conference on
Advanced Innovations in Smart Cities

Day 1: 9-02-2025

Opening Ceromony of ICAISC 2025

Time: 10:00-11:10

Venue: Main Theater

Zoom Link

<https://us02web.zoom.us/j/84463032324?pwd=taNdG9kA1LnV5x8qs8xKuLOWJEdKPI.1>

Registration 9:00 10:00

Opening Ceromony 10:00 - 11:10 AM

No.	Topic	Time	Speaker
	Royal Anthem		
1	Holy Quran	10:00 - 10:05	
2	Speech of Conference Chairman	10:05 - 10:10	Dr. Tarik Himdi
3	Speech of Chairman of BOD of JIC	10:10 - 10:15	Dr. Saleh Malaika
4	Speech of Vice Chairman of Western Region IEEE Saudi Arabia	10:15 - 10: 20	Dr. Adnan Albar
5	Speech of chair of Technical Program Committee	10:20 - 10:25	Dr. Motafa Nofal
Keynote Speakers			
1	The Transformative Potential of Integrating AI in Healthcare Within the Framework of Smart Cities	10:25 - 10:40	Prof. Mona Alshaikh
2	Measuring What Matters: Challenges in Smart City Indices and Their Impact on Urban Well-Being	10:40 - 10:55	Dr. Samer Yamak
Cultural Program			
	Entertainment session	10:55 - 11:00	
Honoring the sponsors, Committees, and Participants			
		11:00 - 11:10	

Day 1: 9-2-2025 Session 1

ROOM 204-1: Interactive board

Zoom Link

<https://us02web.zoom.us/j/89921219231?pwd=aePnCdqfhakEKPR8AXXsqZriAURGs0.1>

Room Supervisor: Dr. Ahmad Hamad

IT: Hassan

11:15 - 12:35

Session Chair	Prof. Khalid Albahnasy		Track: AI	Time
Paper ID	Title	Authors		
22	HAI (Health AI)	Aleena Amjad, Janin Abdulhafeez, Ali Muna and Mohammad Ishaque		11:15 - 11:35
12	Baby Suffocation Prediction System	Rasha Atwah, Mashael Alharthi, Lamees Alharbi, Jana Bashnini and Nujoud Al-Sharif		11:35 - 11:55
20	Enhancing the Safety of Smart Cities by AI Firefighting Robot	Nisrin Alsaiani, Amnah Alshehri, Leen Abdulrazek, Amjad Alkhudaydi, Sarah Hadad and Saman Iftikhar		11:55 - 12:15
45	Overcoming Challenges of Deep fake, Ethical Implications regulation: A risk-based approach	Salma Elhag, Rasha Alharbi, Renad Alsulami and Aseel Alshamrani		12:15 - 12:35



ICAISC 2025

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Advanced Innovations in Smart Cities

Day 1: 9-2-2025 Session 1

ROOM 207-1: Interactive board

Zoom Link <https://us02web.zoom.us/j/83048898643?pwd=4YyjozsXaKrpasqCydGdg53YBHftEC.1>

Room Supervisor: Dr. Moataz Khalil

IT:Adel

11:15 - 12:35

Session Chair	Prof. Hassanin Albarhamtoshy		Track: AI	Time
Paper ID	Title	Authors		
6	A Simultaneous Confusion-Diffusion Structure for Fast Image Encryption Based on Plaintext-Related Mechanism and Dynamic Josephus Trajectory	Ahmed Kareem Shabeeb, Salah Albermany and Sadiq A. Mehdi		11:15 - 11:35
18	Intrusion Detection for Internet of Medical Things (IoMT) using Extreme Learning Machine	Asma Cherif		11:35 - 11:55
24	Analysis of Machine Learning Techniques for URL Phishing Detection: Protect Users	Adel Albishri and Mohamed Dessouky		11:55 - 12:15
28	A survey on protecting users against phishing attacks	Adel Albishri and Mohamed Dessouky		12:15 - 12:35

Day 1: 9-2-2025 Session 1

ROOM 213-1: Interactive board

Zoom Link <https://us02web.zoom.us/j/83491006891?pwd=fMcciE59iZKhQ7lvO4vjL4NLeZ3NvM.1>

Room Supervisor: Mr. Faisal Alshamiri

IT:Eng.Rafat

11:15 - 12:35

Session Chair	Dr. Mohammed Khamis + Dr. Saman Iftikhar		Track: ICT	Time
Paper ID	Title	Authors		
31	Performance and Implementation Comparison of Knuth-Morris-Pratt and Boyer-Moore String Search Algorithms	Taj Saleh, Fatma Corut Ergin, Malek Malkawi and Reda Alhajj		11:15 - 11:35
38	Remote Blood Sampling Collection	Maha Alyzedi, Noor Alnahdi, Ghydaa Alammash and Salma Elhag		11:35 - 11:55
40	Smart Attendance Management System in Student Housing: A Case Study at King Abdulaziz University	Rana Almadadi, Bashaer Alharbi, Rawan Alamri and Salma Elhag Elhag		11:55 - 12:15
57	Molecular Precision Diagnostic Medicine in Cancer	Mram Almaliki, Gady Alamri, Manal Alsadidi, Ghadi Alshaeri and Salma Elhag		12:15 - 12:35

12:30 -1:30 Prayer and Lunch Break

Day 1: 9-2-2025 Session 2

ROOM 216-1: Interactive board

Zoom Link <https://us02web.zoom.us/j/86715778424?pwd=aLv5SrBvCtjbCSqbl62uNXqzbitW6W.1>

Room Supervisor: Mr. Ali Faqih

IT:Adel

1:30 - 3:10

Session Chair	Prof. Hassanin Albarhamtoshy + Dr. Iftikhar Ahmed		Track: ICT	Time
Paper ID	Title	Authors		
15	Using Machine Learning Techniques to Moderate CO2 Emission in KSA Future Smart Cities	Hossam Meshref, Arwa Alsharbari, Shahd Altalhi, Samaher Alsharif, Ghalia Alharthi and Razan Althubiti		01:30 - 01:50
16	Smart Visual Pollution Detection System	Rothana Alsolami, Rasha Atwah, Ranad Alajlani and Sara Alhajjalli		01:50 - 02:10
44	Privacy in Smart Digital Healthcare During Hajj and Umrah: Challenges and Recommendations	Ahmed Alhazmi		02:10 - 02:30
49	Enhancing Traffic Safety by Strategically Placing Roadside Units for Connected Vehicles: Intercity Roads	Ahmed T. M. Halawani		02:30 - 02:50
19	Protecting privacy and securing smart home network based on Zero Trust Network approach	Maryam Abdulaziz M. Alghamdi and Rahmat Budiarto		02:50 - 03:10
160	Digital Twin Environment with Reinforcement Learning based on Traffic Control	Haythem Alhumud, Ahmed Almohammed Ghadir Aljubara, Ashwaq Alghaffly and Ahlam Alanzi		03:10 - 03:30



ICAISC 2025

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Day 1: 9-2-2025 Session 2

ROOM 204-1: Interactive board

Zoom Link

<https://us02web.zoom.us/j/89921219231?pwd=aePnCdqfhakEKPR8AXXsqZriAURGs0.1>

Room Supervisor: Mr. Faisal Alshamiri

IT: Hassan

1:30 - 3:30

Session Chair		Prof. Hossam Meshref + Dr. Ehab Abubakr		Track: ICT and AI	Time
Paper ID	Title	Authors			
180	AI-Powered Zero Trust Architecture for Securing Cognitive City Networks	Mohammed Ishaque, Hanouf Albatati and Mostafa Nofal			01:30 - 01:50
50	Enhancing the autonomy of soft robots in Minimal Invasive Surgeries through computer - vision	Hams Alsirhani and Salma Elhag			01:50 - 02:10
42	Vital Threat Detection and Monitoring Using Smartwatch and Machine Learning	Salma Elhag, Amal Alghamdi, Amal Alahmari and Abeer Alharbi			02:10 - 02:30
46	Blockchain Technology Implementation in Telemedicine—A Case Study on Sehaty Platform in Saudi Arabia.	Roaya Alkunaidri, Lina Alakwaa, Shahad Alhothli and Salma Elhag			02:30 - 02:50
82	Design of Innovative Stand-alone Hybrid Renewable Generation System Harnessing Air Conditioning Wastes	Ayah Onaybisi, Deema Alqarni and Rahaf Alzahrani			02:50 - 03:10
85	Enhancing Landmark Detection Models Through Multimodal Fusion of Visual Data and Image Captioning	Sura Raya, Imad Afyouni and Zaher Al Aghbari			3:10 - 3:30

Day 1: 9-2-2025

ROOM 207-1: Interactive board

Zoom Link

<https://us02web.zoom.us/j/83048898643?pwd=4YyjozsXaKrpasqCydGdg53YBHftEC.1>

Room Supervisor:

Session Chair				Track: ICT	Time
Paper ID	Title	Authors			



Day 2: 10-02-2025

ROOM 204-1: Interactive board

Zoom Link https://us02web.zoom.us/j/84844151583?pwd=iHzQ6FXTi0soudXCy2xNXeUfpAdqvl.1													
Room Supervisor													
Mr. Faisal Alshamiri				IT:Hassan									
Registration	Session 1			Break	Session 2			Keynote Speakers	Payer and lunch Break	Session 3			
08:30	9:00			10:20	10:30			12:00	12:30	01:30			
09:00	10:20			10:30	11:50			12:30	01:30	02:50			
Session Chair	Dr. Ehab Abubakr	AI	Time	Session Chair	Dr. Nadine Akkari + Dr.Masheal Khayyat	AI	Time	Venue: Theater Dr. Abdullah Alshamir From Connectivity to Intelligence SG Open RAN and AI for Smart Cities Dr. Hani Houssein Establishing Trust in Smart Cities: Advancing Security and Privacy in IoT, AI, and Distributed Energy Systems through Cryptographic Innovations	Payer and lunch Break	Session Chair	Dr. Mohammad Khamis + Dr. Eman Salem Alashwali	AI	Time
Paper ID	Title	Authors	Paper ID	Title	Authors	Paper ID	Title			Authors	Time		
198	Hausa Handwriting Character Recognition Using CNN and Tesseract	Muhammad Khamis Dauda, Umar Musa and Hassanin Al-Barhamtoshy	9:00 - 9:20	99	An AI Analytical Model for Human's Posture Analysis: Posture Correction with MediaPipe	Hassanin Al-Barhamtoshy, Khaled Alharbi and Atef Rashad	10:30 - 10:50			144	Machine Learning Applications in Predictive Fetal Health Assessment and Early Intervention	Sowrov Komar Shib, Durjoy Roy Dipto, Tanvir Rahman, Jannatul Umma Asia, Anjuman Ara and Abu Shufian	01:30 - 01:50
71	A Hybrid Ensemble Deep Learning Approach for Detecting Polymorphic Malware	Nasser Alsharif	9:20 - 9:40	102	Face Recognition Security Against Deepfakes by Using Multimodal Detection: A Survey	Fatimah Alqattan, Rahma Absubaleq, Norah Albuzyah, Fatimah Alnasser and Haythem Alhumud	10:50 - 11:10			148	Stacked LSTM-GRU with Double Attention model for Arabic Aspect-Based Sentiment Analysis	Athere Alghamdi, Mounira Taleb and Nada Almani	01:50 - 02:10
97	S-shaped versus V-shaped Transfer Functions for Salp Swarm Algorithm in Sentiment Analysis Feature Selection Problem	Dinar Ajeng Kristiyanti and Akhmad Hairul Umam	9:40 - 10:00	120	Interpretable Arabic Hate Speech Detection using Large Language Model	Majed Alwateer, Ibrahim Gad, Malik Almaliki, Hasan Hashim, Ghada Elmarhomy, Mahmoud Elmarhomy and Elsayed Atlam	11:10 - 11:30			170	Forecasting Prices of Strategic Food Products: Time Series Models in the Context of Post-Crisis Market Disruption	Ahmed Harbaoui	02:10 - 02:30
98	Data Generation in Healthcare using Constraint Satisfaction Parameters (CSP)	Hassanin Al-Barhamtoshy and Tarik Himdi	10:00 - 10:20	140	No Bag Left Behind	Ahmad Melebari, Yousef Alyamani, Abdullah Alharbi, Nasser Abishiri, Haitham Sindi, Bakheet Aljedaani and Tarik Alaif	11:30 - 11:50	172	Enhancing Solar Panel Efficiency through Advanced Dust Detection: A Comparative Study of VGG16, VGG19, and Inception V3 Convolutional Neural Networks	Sashyini Islam, Md Towfiq Uz Zaman, Hasanur Zaman Anonto, Tanay Banik, Md Ismail Hossain and Abu Shufian	02:30 02:50		

ROOM 207-1: Interactive board

Zoom Link https://us02web.zoom.us/j/85195143481?pwd=6wnTY1J2ShWZaT38wmqhw8tbdCYam.1													
Room Supervisor													
Mr. Ali Faqih				IT:Adel									
Registration	Session 1			Break	Session 2			Keynote Speakers	Payer and lunch Break	Session 3			
08:30	9:00			10:20	10:30			12:00	12:30	01:30			
09:00	10:20			10:30	11:50			12:30	01:30	02:50			
Session Chair	Prof. Khalid Albahnasy	AI	Time	Session Chair	Prof. Khalid Albahnasy	ICT	Time	Venue: Theater Dr. Abdullah Alshamir From Connectivity to Intelligence SG Open RAN and AI for Smart Cities Dr. Hani Houssein Establishing Trust in Smart Cities: Advancing Security and Privacy in IoT, AI, and Distributed Energy Systems through Cryptographic Innovations	Payer and lunch Break	Session Chair	Dr. Zainab Rabea	ICT	Time
Paper ID	Title	Authors	Paper ID	Title	Authors	Paper ID	Title			Authors	Time		
65	Enhancing Skin Cancer Detection: An Integrated Approach Using Deep Learning and Metaheuristic Algorithms	Safia Mohamed, Zaher Al Aghbari and Ahmed M. Khedr	9:00 - 9:20	104	Predicting the Lifespan of Lithium-Ion Batteries: Integrating Initial Data with Machine Learning Approaches	Md Ismail Hossain, Md Towfiq Uz Zaman, Tanfuzuzaman Riyad, Hassanur Zaman Anonto, Hridov Das and Abu Shufian	10:30 - 10:50			123	90 GHz Power Amplifier in 150nm GaAs Process	Jun Yan Lee, Duo Wu, Xuanrui Guo, Jian Ding Tan, Khairun Nisa Minhad and Mohammad Arif Sobhan Bhuiyan	01:30 - 01:50
67	Accurate and Interpretable Maize Disease Classification using Deep Transfer Learning and XAI	Alaa Elsayad, Faisal Al Qahtani, Faisal Alajeei, Saad F Al-Dosari and Saad M Al-Dosari	9:20 - 9:40	107	Collaborative Learning Integration for Enhanced Photovoltaic System Power Forecasting: A Novel Ensemble Approach	Kehinde Ridwan Kamil, Umar F. Khan, Ray Sheriff, Xutao Deng and Hafeez Ullah Amin	10:50 - 11:10			174	Quick Park: Integrated Sensor-Based Smart Parking System with Chatbot for Enhanced Urban Mobility and Traffic Management	Hanouf Albatati, Sheeren Meer, Mashael Aljohani, Faris Alharbi and Reema Albeise	01:50 - 02:10
91	YOLOv7 for Real-Time Monitoring of Heat Loss Regions in Building Envelopes using UAV-Infrared Thermography	Ali Waqas and Mohamad T. Araji	9:40 - 10:00	111	Object Identification Using Active Acoustic Sensing	Shigeki Yamazaki and Mitsuharu Matsumoto	11:10 - 11:30			133	Evaluating the Effectiveness and Accuracy of Multi-Table Potentials (MTPs) in Active Learning for Simulation and Prediction	Ezekiel Nwokolo	02:10 - 02:30
14	Innovating Accreditation: A Smart Education Management System Powered by Generative Pre-trained Transformer	Gilang Aulia Muhammad, Bassma Saleh Alsulami and Khalid Omar Thabit	10:00 - 10:20	112	A Sustainable Approach to Energy Management: Multisectoral Collaboration for Second-Life Electric Vehicle Batteries	Ella Kristiningrum, Rahmat Nurcahyo, Sik Sumedi, Fena Dwitriyanti and Muhamad Asvial	11:30 - 11:50	142	Assessment of Mechanical and Antimicrobial Properties of Die-Cast Al Scrap-Cu Alloy for Contact Surface Application	Maruf Kolawole, Jacob Aweda, Sefiu Bello, Kamoru Oladoso and Zainab Saheed	02:30 02:50		

ROOM 213-1: Interactive board

Zoom Link https://us02web.zoom.us/j/81518056563?pwd=K2qbWx9DB0IMZVakrb6iqHQEMzKwHu.1													
Room Supervisor													
Dr. Moataz Khalil				IT:Eng.Rafat									
Registration	Session 1			Break	Session 2			Keynote Speakers	Payer and lunch Break	Session 3			
08:30	9:00			10:20	10:30			12:00	12:30	01:30			
09:00	10:20			10:30	11:50			12:30	01:30	02:50			
Session Chair	Dr. Nadine Akkari + Arwa Allinjawi	ICT	Time	Session Chair	Dr. Mohammed Khamis	IOT	Time	Venue: Theater Dr. Abdullah Alshamir From Connectivity to Intelligence SG Open RAN and AI for Smart Cities Dr. Hani Houssein Establishing Trust in Smart Cities: Advancing Security and Privacy in IoT, AI, and Distributed Energy Systems through Cryptographic Innovations	Payer and lunch Break	Session Chair	Prof. Khalid Albahnasy	Cybersecurity	Time
Paper ID	Title	Authors	Paper ID	Title	Authors	Paper ID	Title			Authors	Time		
147	Precision Farming with Autonomous Drones: Real-time Data and Efficient Fertilization Techniques	Md.Maidul Islam Shehab, Md. Rafsan Jany, Shahin Alam, Ansh Sarker, Md. Shajib Hossen and Abu Shufian	9:00 - 9:20	25	WPDS - Smart Wireless Water Pollution Detection System using IoT for Better Monitoring of Water Quality	Saman Ifkhar and Rana Khaled	10:30 - 10:50			95	Deep Learning for Cyber Security Deephoax Detection	Sy Yuliani Yakub, Rivo Juicer Wowor, David Agustriawan, Irma Wati, Dinar Ajeng Kristiyanti, P.M. Winarno, Rosilah, Roshayu Mohammad and Randy Zahran Razzao	01:30 - 01:50
204	Analysis of Sentiment and Sarcasm in Arabic YouTube Comments Utilizing AraBERT	Ibrahim Al-Sharif and Hassanin Al-Barhamtoshy	9:20 - 9:40	48	Warehouse Management and Tracking System for University Assets Using IoT Technology to Optimize Operations and Reduce Randomness	Salma Elhag, Bashair Al-Joudi, Alaa Alrfeai and Ekram Alharzi	10:50 - 11:10			124	A Federated Learning Approach to Strengthen IoT-Based Intrusion Detection Against Low-Rate DDoS Attacks	Ifkhar Ahmad	01:50 - 02:10
157	Improving the Quality of Services and Increasing Customer Satisfaction in the Hotel	Mais Alkhalaf, Raghad Alhashmi, Rahaf Alshareef, Rahaf Alharbi and Salma Elhaj	9:40 - 10:00	59	Comparative Analysis of Communication Protocols in Blockchain-IoT Systems for Optimizing IoT Data Flow Efficiency	Manar Alnaghes and Hong Shen	11:10 - 11:30			183	Comparative Analysis of Large Language Models in Solidity Smart Contract Vulnerability Detection: Review	Amjad Almaghthawi and Wael Yafooz	02:10 - 02:30
168	Autonomous Parking Valet System: Path Planning and Control in Complex Environments	Md Ismail Hossain, Marin-Ul Alam, Minul Khan Rahat, Md Asfaqur Rahman, Abu Shufian and Md. Saniet Rahman Zehan	10:00 - 10:20	74	IoT-Enabled Smart Air Traffic Control for Drones in Urban Areas: AI-Driven Route Optimization and Energy Management	Khondaker Ifi Hasan Turjo, Mustakim Ahmed, Kazi Redwan, Md. Faruk Abdullah Al Sohan, Afroza Nahar and Mohammad Sakib Mahmood	11:30 - 11:50	139	Quantum Cryptography and Post-Quantum Security: Safeguarding Cryptographic Protocols Against Quantum Threats	Bushra Al-Anesi, Mohammed Ishaq and Mohammed Khamis	02:30 02:50		

ROOM 216-1: Interactive board

Zoom Link https://us02web.zoom.us/j/81510801954?pwd=sLeQ0Kba8tESRwNwbLE3rLvgibObn.1													
Room Supervisor													
Mr. Faisal Alshamiri				IT:Eng.Omar									
Registration	Session 1			Break	Session 2			Keynote Speakers	Payer and lunch Break	Session 3			
08:30	9:00			10:20	10:30			12:00	12:30	01:30			
09:00	10:00			10:30	11:30			12:30	01:30	03:00			
Session Chair	Dr. Zainab Rabea	Smart Cities	Time	Session Chair	Dr. Zainab Rabea	Smart Cities	Time	Zoom Link: Venue: Theater Dr. Abdullah Alshamir From Connectivity to Intelligence SG Open RAN and AI for Smart Cities Dr. Hani Houssein Establishing Trust in Smart Cities: Advancing Security and Privacy in IoT, AI, and Distributed Energy Systems through Cryptographic Innovations	Payer and lunch Break	Session Chair	Mrs.HanooF Batati	Smart Cities	Time
Paper ID	Title	Authors	Paper ID	Title	Authors	Paper ID	Title			Authors	Time		
55	Enhancing Urban Logistics through IoT-integrated NFC-based Smart Post Boxes for Resilient Cities	Jan Procházka, Alena Kubáčová and Martin Fiala	9:00 - 9:20	87	Optimal Design of Electric Vehicle Battery Swap Charging Station for Smart Cities in Saudi Arabia	Yassir Alhazmi, Yasser Turkistani, Mohammed Alotaibi, Abdulaziz Al-Otaibi, Suhayb Al-Harbi, Abdulmalik Almaliki and Nawaf Al-Otaibi	10:30 - 10:50						
73	CityShield: An IoT-Driven and AI-Based Threat Detection System for Smart City Operations	Md. Asif Sarker Emon, Md. Faruk Abdullah Al Sohan, Md. Maruf Hossain Munna, Mustakim Ahmed and Kazi Redwan	9:20 - 9:40	90	Novel AI-Genetics Algorithm for Renewable Bioenergy Generation in City Centers	Adham Elmalky and Mohamed Araji	10:50 - 11:10						
75	IntelliGuard: An AI-Powered Threat Detection System for Smart Home Operations	Syeda Shakira Akter, Md. Maruf Hossain Munna, Kazi Redwan, Mustakim Ahmed and Md. Faruk Abdullah Al Sohan	9:40 - 10:00	115	A Comprehensive Human Factors Approach to Pedestrian Accidents Analysis in Urban Environments	Omar Alharasees, Haitham A. Al Hasanat and Rana Al-Matameh	11:10 - 11:30						
209	Interactive AI for Advancing and Generating Women's Traditional Fashion in Saudi Arabia	Hassanin Al-Barhamtoshy, Rania Deabas and Fardus Baalamash	10:00 - 10:20	53	A systemic review of Healthcare Challenges due to Ethical Implications: A PRISMA Analysis	Aftab Ara and Anisha Thomas	11:30 - 11:50						



IEEE
Western Saudi Arabia Section

ICAISC 2025
The 2nd International Conference on
Advanced Innovations in Smart Cities

Day 2: 10-02-2025

ROOM 217-1: Interactive board

Zoom Link <https://us02web.zoom.us/j/83857913777?pwd=aaLqK4mah9Lu4sUHWjojcfQlEuax.1>

Room Supervisor

Registration	Session 1				Session 2				Keynote Speakers	Payer and lunch Break	Session 3							
08:30	9:00				10:30				12:00	12:30	01:30							
09:00	10:30				12:00				12:30	01:30	03:00							
Session Chair	Title			Authors	Session Chair	Title			Authors	Session Chair	Title			Authors				
Paper ID					Paper ID					Paper ID								
									Zoom Link: Virtual Theater Dr. Abdulrah Almuqbil From Connectivity to Intelligence 5G Open RAN and AI for Smart Cities Dr. Hani Housain Establishing Trust in Smart Cities: Advancing Security and Privacy in IoT, AI, and Distributed Energy Systems through Cryptographic Innovations	Payer and lunch Break								



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 Saizid 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		



Western Saudi Arabia Section

ICAISC 2025

The 2nd International Conference on Advanced Innovations in Smart Cities

Day 3: 11-02-2025

ROOM 216-1: Interactive board

Zoom Link											
https://us02web.zoom.us/j/81510801954?pwd=sl_eQ0kba8IESRwNwBLE3ordVoiR0p1											
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
Paper ID	Title			Authors		Paper ID	Title			Authors	
119	Exploring AI Applications for Optimal Business Location Selection in Smart Cities: A Literature Review			Hala Alhazaa, 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
										Theater	Theater

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
09:00										12:30	01:00
Session Chair					Session Chair						
Paper ID	Title			Authors		Paper ID	Title			Authors	
										Theater	Theater