



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



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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



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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	

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Zoom Link

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Room Supervisor:

Session Chair				Track: ICT	Time
Paper ID	Title	Authors			