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# The 12<sup>th</sup> IEEE International Conference on Intelligent Computing and Information Systems

# ICICIS

## 2025

## Conference Program

**25 - 26 NOV 2025**

Triumph Luxury Hotel  
Cairo, Egypt



<https://icicis.cis.asu.edu.eg/>





**Under the Auspices of**



**His Excellency Prof. Mohamed Ayman Ashour**  
**Minister of Higher Education and Scientific Research**



**Prof. Mohamed Diaa Zain El-Abedeen**  
**President of Ain Shams University**



**Conference Chair**  
**Prof. Rasha Ismail**

**Dean of Faculty of Computer and Information Sciences**





## OVERVIEW

**ICICIS 2025** is a premium International Conference that covers areas related to theory, development, application, and evaluation of advancements in computing technology. This conference acts as an international forum for researchers and practitioners interested in the advances of artificial and computational intelligence as well as intelligent information systems. It is organized by Faculty of Computer and Information Sciences (FCIS), Ain Shams University, Cairo, Egypt.

Applied AI is the use of intelligent systems and techniques to solve real-world problems or achieve certain objectives in sectors such as management, industry, engineering, administration, and education. All accepted papers will be published in the conference proceeding which will be published in IEEE and abstracted/indexed in Scopus, Google Scholar, .... And many others A&I partners.

Conference Website: <https://icicis.cis.asu.edu.eg/>

## Themes of the Conference

- 1- Artificial Intelligence, Robotics, Multimedia and Data Visualization.
- 2- Data Science and Knowledge Discovery.
- 3- Cyber Security, Forensics and Computer Networks
- 4- Internet of Things, Smart Environments and Pervasive Computing.
- 5- Bioinformatics, Health Informatics and Biomedical Systems.
- 6- Software Engineering.
- 7- Applied Artificial Intelligence.



## Keynote Speakers



**Prof. Hassan Abdalla**

BSc MSc PhD CEng PFHEA FRSA  
Provost of the University of East London (UEL)  
UK Teaching Excellence Framework (TEF) Panel, UK



**Prof. Huan Liu**

Regents Professor and Ira A. Fulton Professor of Computer  
Science and Engineering, Arizona State University (ASU), USA



**Prof. Robert H. Sloan**

Professor of Computer Science at the University  
of Illinois Chicago (UIC), USA



**Prof. Shadi Albarqouni**

Professor for Computational Medical Imaging  
Research at the University of Bonn, Germany

# Sponsors



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## Conference Chairs



Conference Chair

**Prof. Rasha Ismail**

Dean of Faculty of Computer and  
Information Sciences



Vice Chair for the Applied Artificial Intelligence Track

**Prof. Hala M. Ebeid**

Vice Dean for Education & Students Affairs

Faculty of Computer and Information Sciences



Vice Chair for Publication

**Dr. Eman Amin**

Faculty of Computer and Information Sciences

Tuesday, November 25, 2025

# General Map

- 8:30 - 9:30 Registration
- 9:30 - 11:00 Opening Ceremony
- 11:00 - 11:30 Coffee Break - Iceland Hall ☕
- 11:30 - 12:15 Keynote Speech I (KS I) - Monaco Hall A 🎤 Prof. Hassan Abdalla
- 12:15 - 1:00 Keynote Speech II (KS II) - Monaco Hall A 🎤 Prof. Huan Liu
- 1:30 - 3:00 🌸 **Computing and Informatics Sector Committee Meeting\* - Hall B**

- 1:30 - 3:00 Monaco Hall A Deloitte Speech | WS1 - Monaco Hall A Deloitte Workshop Session

- 3:00 - 4:00 Lunch - Pavilion Restaurant 🍽️

- 4:00 - 5:30

CS 1 - Monaco Hall A  
Artificial Intelligence,  
Robotics, Multimedia  
& Data Visualization I

CS 2 - Monaco Hall B  
Data Science  
& Knowledge  
Discovery I

CS 3 - Monaco Hall C  
Cyber Security,  
Forensics and  
Computer NW I

CS 4 - Louvre 1  
Applied Artificial  
Intelligence I

- 5:30 - 6:00 Coffee Break - Iceland Hall ☕

- 6:00 - 7:30

CS 5 - Monaco Hall A  
AI, Robotics,  
Multimedia and  
Data Visualization II

CS 6 - Monaco Hall B  
Bioinformatics,  
Health Informatics  
& Biomedical  
Systems I

CS 7 - Monaco Hall C  
Bioinformatics,  
Health Informatics  
& Biomedical  
Systems II

CS 8 - Louvre 1  
Software  
Engineering

Wednesday, November 26, 2025

- 8:30 - 9:30 Registration
- 9:30 - 10:15 Keynote Speech III (KS III) - Monaco Hall A 🎤 Prof. Robert H. Sloan
- 10:15 - 11:00 Keynote Speech IV (KS IV) - Monaco Hall A 🎤 Prof. Shadi Albarqouni
- 11:00 - 12:30

CS 9 - Monaco Hall A  
AI, Robotics,  
Multimedia and  
Data Visualization III

CS 10 - Monaco Hall B  
IoT, Smart  
Environments and  
Pervasive Computing

WS2 - Monaco Hall C  
Ericson Workshop  
Session

CS 11 - Louvre 1  
Bioinformatics, Health  
Informatics and  
Biomedical Systems III

- 12:30 - 1:00 Coffee Break - Iceland Hall ☕

- 1:00 - 2:30

CS 12 - Monaco Hall A  
AI, Robotics,  
Multimedia and  
Data Visualization IV

CS 13 - Monaco Hall B  
Applied Artificial  
Intelligence II

WS3 - Monaco Hall C  
Noon  
Workshop Session

CS 14 - Louvre 1  
Data Science and  
Knowledge Discovery II

- 2:30 - 3:30 Lunch - Pavilion Restaurant 🍽️

- 3:30 - 5:00

CS 15 - Monaco Hall A  
AI, Robotics,  
Multimedia and  
Data Visualization V

CS 16 - Monaco Hall B  
Applied Artificial  
Intelligence III

CS 17 - Monaco Hall C  
Cyber Security,  
Forensics and  
Computer Networks II

CS 18 - Louvre 1  
AI, Robotics, Multimedia  
and Data Visualization VI

- 5:00 - 5:30 Coffee Break - Iceland Hall ☕

- 5:30 - 6:00 Closing Session - Monaco Hall A

\* This session is closed and limited to committee members only

KS: Keynote Speech

CS: Conference Session

WS: Workshops Session



# ICICIS 2025 Session's Chairs

*Tuesday, November 25, 2025*

● **11:30** ● **KS I - Monaco Hall A**

**12:15**

**Prof. Abdel-Badeeh M. Salem**

Faculty of Computer and Information Sciences, Ain Shams University.

**Prof. Mohamed E. Khalifa**

Presidency of the Computer Science and Information Technology Sector Committee,  
Supreme Council of Universities

**Prof. Nagwa Badr**

President of University of East London, European Universities in Egypt.

● **12:15** ● **KS II - Monaco Hall A**

**01:00**

**Prof. Ahmed Hamad**

President of Egypt University of Informatics

**Prof. Hala Zayed**

Secretary of the Computing and Informatics Sector Committee, Supreme Council of Universities.

**Prof. Khaled Negm**

ICT Minister Assistant for Digital Governance

● **01:30** ● **Industries Speech - Monaco Hall A**

**03:00**

**Prof. Zaki Taha**

Faculty of Computer and Information Sciences, Ain Shams University

**Prof. Taha Elarif**

Faculty of Computer and Information Sciences, Ain Shams University

**Dr. Mona Abdelazim**

Faculty of Computer and Information Sciences, Ain Shams University.

● **04:00** ● **CS 1 - Monaco Hall A**

**05:30**

**Prof. Omar Karam**

Dean of the Faculty of Informatics and Computer Science, British University in Egypt.

**Prof. Sherine Rady**

Vice Dean of Ain Shams University for Community and Environmental, Faculty of Computer  
& Information Sciences, Ain Shams University.

**Dr. Manal Tantawy**

Director of International Credit Hour Programs, Faculty of Computer and Information  
Sciences, Ain Shams University.

● **CS 2 - Monaco Hall B**

**Prof. Aliaa Youssif**

Dean of the Faculty of Computer and Information, ASST, Smart Village.

**Prof. Taymour Nazmy**

Faculty of Computer and Information Sciences, Ain Shams University.

**Prof. Walaa Gad**

Head of the Information Systems Dept., Faculty of Computer and  
Information Sciences, Ain Shams University.

# ICICIS 2025 Session's Chairs

*Tuesday, November 25, 2025*

- **CS 3 - Monaco Hall C**

**Prof. Amal Farouk**

Dean of the Faculty of Computers and Informatics, Zagazig University

**Prof. Eman Shabban**

Faculty of Computer and Information Sciences, Ain Shams University.

**Prof. Hossam Faheem**

Advisor to Ain Shams University President for Digital Transformation.

- **CS 4 - Louvre 1**

**Prof. Hala Mousher**

Vice Dean for Education & Students Affairs, Faculty of Computer and Information Sciences, Ain Shams University.

**Prof. Safaa Amin**

Software Engineering Program Coordinator Artificial Intelligence Program Coordinator  
Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Sally Saad**

Faculty of Computer and Information Sciences, Ain Shams University.

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- **06:00 CS 5 - Monaco Hall A**

**07:30**

**Prof. Abeer Mahmoud**

Head of the Computer Science Dept., Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Islam Hegazy**

Dean, Scholar of Mathematical and Computational Science, University of Prince Edward Island.

**Dr. Hanan Hindy**

UEL Dual degree Coordinator, Faculty of Computer and Information Sciences, Ain Shams University.

- **CS 6 - Monaco Hall B**

**Dr. Maryam Nabil**

Faculty of Computer and Information Sciences, Ain Shams University

**Dr. Mahmoud Monir**

Cyber Security Program Coordinator, Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Salsabil El-Regaily**

Faculty of Computer and Information Sciences, Ain Shams University.

- **CS 7 - Monaco Hall C**

**Prof. Mohamed Aouf**

Head of Biomedical Engineering Dept., Higher Technological Institute

**Dr. Nivin Atef**

Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Donia Gamal**

Bioinformatics, Program Coordinator, Faculty of Computer and Information Sciences, Ain Shams University.

- **CS 8 - Louvre 1**

**Dr. Yasmine Afify**

Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Eman Amin**

Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Dina Fawzy**

Faculty of Computer and Information Sciences, Ain Shams University.



# ICICIS 2025 Session's Chairs

*Wednesday, November 26, 2025*

● 09:30 ● **KS III - Monaco Hall A**

10:15

**Prof. Mohamed El-Said Abdo Ghoniemy**

Faculty of Computer and Information Sciences, Ain Shams University

**Prof. Mohamed Hashem**

Faculty of Computer & Information Sciences, Ain Shams University.

**Prof. Mostafa Aref**

Faculty of Computer & Information Sciences, Ain Shams University.

● **KS IV - Monaco Hall A**

**Prof. El-Sayed M. El-Horbaty**

Faculty of Computer & Information Sciences, Ain Shams University.

**Prof. Sayed Fadel**

Faculty of Computer & Information Sciences, Ain Shams University.

**Prof. Rasha Ismail**

Dean of the Faculty of Computer and Information Sciences, Ain Shams University.

**Prof. Tamer Mostafa**

Dean of the Faculty of Computer Sciences, Galala University

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● 11:00 ● **CS 9 - Monaco Hall A**

12:30

**Prof. Hwida Sheeded**

Head of the Scientific Computing Dept., Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Dina Khatab**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Hanan Ahmed**

Faculty of Computer & Information Sciences, Ain Shams University.

● **CS 10 - Monaco Hall B**

**Prof. Ali El-Naem**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Heba Khaled**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Karim Emara**

Deputy Director of the Electronic and Knowledge Services Center, Supreme Council of Universities.

● **CS 11 - Louvre 1**

**Prof. Rania Elgohary**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Ghada Hamed**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Fatma Najib**

Faculty of Computer & Information Sciences, Ain Shams University.

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● 01:00 ● **CS 12 - Monaco Hall A**

02:30

**Prof. Mohammed A. M. Salem**

German University in Cairo.

**Dr. Ahmed Salah**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Mohamed Mabrouk**

Faculty of Computer & Information Sciences, Ain Shams University.

# ICICIS 2025 Session's Chairs

*Wednesday, November 26, 2025*

- **CS 13 - Monaco Hall B**

**Prof. Hassan Ramadan**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Mirvat Al-Qutt**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Doaa Mahmoud**

Faculty of Computer & Information Sciences, Ain Shams University.

- **CS 14 - Louvre 1**

**Dr. Huda Maghawry**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Dina Elsiad**

Artificial Intelligence Program Coordinator, Faculty of Computer and Information Sciences, Ain Shams University.

**Dr. Amira Aly**

Faculty of Computer & Information Sciences, Ain Shams University.

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- **03:30 CS 15 - Monaco Hall A**

**05:00**

**Dr. Wedad Hussein**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Naglaa Fathy**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Randa Abdelmonem**

Multimedia Program Coordinator, Faculty of Computer & Information Sciences, Ain Shams University.

- **CS 16 - Monaco Hall B**

**Dr. Shimaa Haridy**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Dalia Shoman**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Soaad Bakry**

Faculty of Computer & Information Sciences, Ain Shams University.

- **CS 17 - Monaco Hall C**

**Dr. ALShimaa AboAllian**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Mahmoud Fayez**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Hafez Seliem**

Faculty of Computer & Information Sciences, Ain Shams University.

- **CS 18 - Louvre 1**

**Prof. Taha Elarif**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Soha Nabil**

Faculty of Computer & Information Sciences, Ain Shams University.

**Dr. Esraa Abdelraouf**

Faculty of Computer & Information Sciences, Ain Shams University.

# Scheduled Program (Detailed Map)

**Tuesday, November 25, 2025**

- **8:30 - 9:30**      **Registration**
- **9:30 - 11:00**      **Opening Ceremony**
- **11:00 - 11:30**      **Coffee Break - Iceland Hall** ☕
- Keynote Speech I (KS I) - Monaco Hall A**  
*Session Chairs:*  
Prof. Abdel-Badeeh M. Salem, Prof. Essam Khalifa, Prof. Nagwa Badr
- **11:30 - 12:15**      **Speech 1: Quantum Computing and Artificial Intelligence  
The Disruptive Wave**  
Prof. Hassan Abdalla BSc MSc PhD CEng PFHEA FRSA,  
Provost of the University of East London (UEL), UK - Teaching Excellence Framework (TEF) Panel, UK.
- Keynote Speech II - Monaco Hall A**  
*Session Chairs:*  
Prof. Ahmed Hamad, Prof. Hala Zayed, Prof. Khaled Negm
- **12:15 - 1:00**      **Speech 2: Social Media Mining, GAI, and Next Frontiers**  
Prof. Huan Liu  
Regents Professor and Ira A. Fulton Professor of Computer Science and Engineering,  
Arizona State University (ASU), USA.
- Industries Speech - Monaco Hall A**  
*Session Chairs:*  
Prof. Zaki Taha, Prof. Taha Elarif, Dr. Mona Abdelazim
- **1:30 - 3:00**      **Monaco Hall A**      **WS1 - Monaco Hall A**  
**Deloitte Speech**      **Deloitte Workshop Session**  
**"Deloitte Innovation**      **"Exploring GenAI:**  
**Hub: Services, Impact**      **An Introduction to RAG"**  
**& Future Outlook"**      **Omar Sedeek**  
**Sarah Fouqueh**      **AI & Data Technical Lead and Fady Maher, AI**  
**Lead Talent Acquisition at**      **& Data Technical Lead at Deloitte Innovation Hub**  
**Deloitte Innovation Hub**
- **3:00 - 4:00**      **Lunch - Pavilion Restaurant** 🍽️
- **4:00 - 5:30**  

<b>CS 1 - Monaco Hall A</b> <b>Artificial Intelligence, Robotics, Multimedia &amp; Data Visualization I</b>	<b>CS 2 - Monaco Hall B</b> <b>Data Science &amp; Knowledge Discovery I</b>	<b>CS 3 - Monaco Hall C</b> <b>Cyber Security, Forensics and Computer NW I</b>	<b>CS 4 - Louvre 1</b> <b>Applied Artificial Intelligence I</b>
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- **5:30 - 6:00**      **Coffee Break - Iceland Hall** ☕
- **6:00 - 7:30**  

<b>CS 5 - Monaco Hall A</b> <b>AI, Robotics, Multimedia and Data Visualization II</b>	<b>CS 6 - Monaco Hall B</b> <b>Bioinformatics, Health Informatics &amp; Biomedical Systems I</b>	<b>CS 7 - Monaco Hall C</b> <b>Bioinformatics, Health Informatics &amp; Biomedical Systems II</b>	<b>CS 8 - Louvre 1</b> <b>Software Engineering</b>
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KS: Keynote Speech

CS: Conference Session

WS: Workshops Session



# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Monaco Hall A**

## **CS 1-Artificial Intelligence, Robotics, Multimedia and Data Visualization I**

**Session Chairs:** Prof. Omar Karam, Prof. Sherin Rady, Dr. Manal Tantawy

● **04:00 - 05:30** ●

### ● **ICICIS2025-14**

#### **From Text to Knowledge: A Hybrid Framework for Enhanced Semantic Analysis Using Language Models and Heuristics**

Ahmed H. Abase, Computer Science Department, Cairo University

Hesham A. Hassan, Computer Science Department, Cairo University

Fatma A. Omara, Computer Science Department, Cairo University

### ● **ICICIS2025-17**

#### **Deep Super-Resolution and Age Prediction for Brain MRI Using SRCNN:**

#### **A Lightweight Framework for High-Fidelity Reconstruction and Regression**

Mariam Abdelbaki, Egypt Japan University

Omnia Salman, Egypt Japan University

Hanin Eltabakh, Egypt Japan University

Sameh Sherif, Egypt Japan University

Rofida Esmail, Egypt Japan University

### ● **ICICIS2025-20**

#### **ARIMA Forecasting with LLM-Powered Multi-Agent Coordination for Omnichannel Retail KPIs**

Darian Reyes, Lero-Science Foundation Ireland Research Centre for Software, University of Galway, Galway, Ireland

Pierangelo Rosati, Lero-Science Foundation Ireland Research Centre for Software, University of Galway, Galway, Ireland

### ● **ICICIS2025-23**

#### **A Novel Hybrid Deep Learning Network for Multi-Modal Emotion Recognition**

Mariam A. Elmohsen, Electrical Engineering Department, Faculty of Engineering at Shoubra, Benha University

Aya Osama Abdelaziz, Electrical Engineering Department, Faculty of Engineering at Shoubra, Benha University

May Salama, Electrical Engineering Department, Faculty of Engineering at Shoubra, Benha University

Sahar A. El Rahman, Electrical Engineering Department, Faculty of Engineering at Shoubra, Benha University

### ● **ICICIS2025-27**

#### **Multi-Modal Spoken-Arabic Dataset Collection for Emotion Recognition**

Mariam Aslan, Faculty of Media Engineering and Technology, German University in Cairo

Basmala Hesham, Faculty of Media Engineering and Technology, German University in Cairo

Mohammed A. M. Salem, Faculty of Media Engineering and Technology, German University in Cairo

Nada Sharaf, Faculty of Media Engineering and Technology, German University in Cairo

### ● **ICICIS2025-37**

#### **Towards Accurate Water Quality Prediction Using Attention-Guided Deep Imputation Models**

Marwah A. Helaly, Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

Sherine Rady, Information Systems, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Mabrouk, Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

Mostafa M. Aref, Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

Ahmed T. El Awady, Department of Environmental Engineering Sciences, Institute of Environmental Studies and Research, Ain Shams University

● **5:30 - 6:00**      **Coffee Break - Iceland Hall** ☕

# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Monaco Hall B**

## **CS 2 - Data Science and Knowledge Discovery I**

### **Session Chairs:**

Prof. Aliaa Youssif, Prof. Taymour Nazmy, Prof. Walaa Gad

● **04:00 - 05:30** ●

● **ICICIS2025-97**

### **Hybrid Embedding-Based Approaches for Fake Profile Detection**

Carol Hanney Ishak, Department of Computer Science and Engineering, German University in Cairo

Aya Salama Abdelhady, Department of Computer Science and Engineering, German University in Cairo

● **ICICIS2025-104**

### **Enhancing Multiclass Arabic Fake News Detection via Semantic Balancing and Transformer Models**

Esraa Karam Ashraf, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Wedad Hussein, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Sherine Rady, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Tarek F. Gharib, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

● **ICICIS2025-115**

### **The Effect of Embedding Techniques in Enhancing Abstractive Arabic Summarization**

Karim Morsi, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Fatma Najib, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Wedad Hussein, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Rasha Ismail, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

● **ICICIS2025-136**

### **Similarity-Based Trajectory Prediction in Location-Based Social Network**

Eman M. Bahgat, Information Systems Department, FCIS, Ain Shams University

Alshaimaa Abo-Allian, Information Systems Department, FCIS, Ain Shams University

Sherine Rady, Information Systems Department, FCIS, Ain Shams University

Tarek F. Gharib, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

● **ICICIS2025-138**

### **ALFedPrompt: Efficient Prompt-Tuning for Privacy-Preserving Sentiment Analysis in Federated Learning**

Hesham Ayman, Faculty of Computer and Information Science Ain Shams University

Shaimaa Haridy, Faculty of Computer and Information Science Ain Shams University

Yasmine M. Afify, Faculty of Computer and Information Science Ain Shams University

Walaa Gad, Faculty of Computer and Information Science Ain Shams University

● **05:30 - 06:00 Coffee Break - Iceland Hall ☕**

# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Monaco Hall C**

## **CS 3 - Cyber Security, Forensics and Computer NW I**

### **Session Chairs:**

Prof. Amal Farouk, Prof. Eman Shabban, Prof. Hossam Faheem

#### ● 04:00 - 05:30 ●

##### ● ICICIS2025-18

#### **A New Framework for Enhancing Anti-Drone Detection Performance**

Ghada Dahy, Department of Information Technology, Faculty of Computers and Artificial Intelligence Cairo University

Hossam A. AbdElwahab, Department of Information Technology, Faculty of Computers and Information Technology Suez University

Hesham N. Elmahdy, Department of Information Technology, Faculty of Computers and Artificial Intelligence Cairo University

Rania A. Salama, Department of Information Technology, Faculty of Computers and Information Technology Suez University

##### ● ICICIS2025-19

#### **Improving the Localization Accuracy in Internet of Drones Networks**

Eslam A.Abdelfattah, Department of Information Technology, Faculty of Computers and Information, Suez University

Hesham N.Elmahdy, Department of Information Technology, Faculty of Computers and Artificial Intelligence, Cairo University

Ghada Dahy, Department of Information Technology, Faculty of Computers and Artificial Intelligence, Cairo University

Fayza A.Nada, Department of Information Technology, Faculty of Computers and Information, Suez University

##### ● ICICIS2025-22

#### **Enhancing Behavioral Insider Threat Detection with AI**

Ragab S. Bakhit, Information Systems Dept, Faculty of Computer and Information Sciences, Ain Shams University

Alshaimaa Abo-Allian, Information Systems Dept, Faculty of Computer and Information Sciences, Ain Shams University

Nagwa L. Badr, Information Systems Dept, Faculty of Computer and Information Sciences, Ain Shams University

##### ● ICICIS2025-36

#### **An Improved Load-Balancing Technique for Cloud Computing Environment**

Dina Tarek Mohamed, Faculty of Computing and Artificial Intelligence, Cairo University

Islam Mahmoud Mohie, Faculty of Computing and Artificial Intelligence, Cairo University

Khaled M. Badran, Department of Computer Engineering, Military Technical College

##### ● ICICIS2025-56

#### **Security Vulnerabilities in Unmanned Aerial Vehicle Systems: A Case Study of ArduPilot**

Abdullah Al-Boghdady, Faculty of Computing and Artificial Intelligence, Cairo University

Mohammad El-Ramly, Faculty of Computing and Artificial Intelligence, Cairo University and University of London Branch in the European Universities in Egypt

Basheer Youssef, Faculty of Computing and Artificial Intelligence, Cairo University

Khaled Wassif, Faculty of Computing and Artificial Intelligence, Cairo University

#### ● 5:30 - 6:00 Coffee Break - Iceland Hall ☕

# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Louvre 1**

## CS 4 - Applied Artificial Intelligence I

### Session Chairs:

Prof. Hala Mousher, Prof. Safaa Amin, Dr. Sally Saad

● 04:00 - 05:30 ●

### ● ICICIS2025-40

#### DataForge: An AI-Driven Data Warehouse Schema Generator

Abdelrahman Abdelrahman, FCIS, Ain Shams University

Abdelrahman Elbahrawy, FCIS, Ain Shams University

Ahmed Sobieh, FCIS, Ain Shams University

Alaa ElSaid, FCIS, Ain Shams University

Arwa Elsharawy, FCIS, Ain Shams University

Ahmed Ali, FCIS, Ain Shams University

Yasmine Shaaban, FCIS, Ain Shams University

Yasmine Afify, FCIS, Ain Shams University

### ● ICICIS2025-42

#### Smart Web Application Firewall (SWAF)

Alshaimaa Abo-Allan, FCIS, Ain Shams University

Hossam Ibrahim, FCIS, Ain Shams University

Nawaf Senan, FCIS, Ain Shams University

### ● ICICIS2025-59

#### Decentralized Path Planning for Multi-Robot Systems Using GNNs on HBE-Robocar

Mohamed Mohamed, FCIS, Ain Shams University

Randa M. Abdelmoneem, FCIS, Ain Shams University

### ● ICICIS2025-69

#### Aquaguard: A Modular AI System for Detecting Drowning, Rip Currents, and Sharks Using Drone Surveillance

Hanine Al Sayed, FCIS, Ain Shams University

Rahma Shabaan, FCIS, Ain Shams University

Esraa Ahmed, Ain Shams University

Mohamed Emad, FCIS, Ain Shams University

Mostafa Saad, FCIS, Ain Shams University

Mohamed Essam, FCIS, Ain Shams University

Ahmed Salah El Din, FCIS, Ain Shams University

### ● ICICIS2025-73

#### Sleep Apnea Detection using Electrocardiography (ECG) Signals

Manal Tantawi, FCIS, Ain Shams University

Radwa Hossieny, FCIS, Ain Shams University

Afraim Shokralla, FCIS, Ain Shams University

Rima Fattah Attallah, FCIS, Ain Shams University

Fatma Abdelfattah, FCIS, Ain Shams University

Hager Ossman, FCIS, Ain Shams University

Abdulrhman Abu-AlHagag, FCIS, Ain Shams University

Malak Roshdy, FCIS, Ain Shams University

### ● ICICIS2025-79

#### Mufakkir: RAG-based Arabic Educational Chatbot for University Students

Dina Khattab, FCIS, Ain Shams University

Mohamed Khaled Tawfik, FCIS, Ain Shams University

Farah Safwat Ezz Elregal, FCIS, Ain Shams University

Sohier Khaled Mohamed, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Osama Ali, FCIS, Ain Shams University

Paula Emad Edward, FCIS, Ain Shams University

Maryam Elsawaf FCIS, Ain Shams University

● 5:30 - 6:00

Coffee Break - Iceland Hall





# ICICIS 2025 Conference Sessions

*Tuesday, November 25, 2025 - Monaco Hall A*

## CS 5-Artificial Intelligence, Robotics, Multimedia and Data Visualization II

### Session Chairs:

Prof. Abeer Mahmoud, Dr. Islam Hegazy, Dr. Hanan Hindy

● 06:00 - 07:30 ●

#### ● ICICIS2025-38

##### **ChargeTime Predictor: A Data-Driven Approach for Estimating Smartphone Charging Session Duration**

Yusuf Awad, Faculty of Computer and Information Sciences, Ain Shams University

Islam Hegazy, Faculty of Computer and Information Sciences, Ain Shams University

El-Sayed M. El-Horbaty, Faculty of Computer and Information Sciences, Ain Shams University

#### ● ICICIS2025-46

##### **Depression Detection in Speech Using Generative Models**

Lojaine Amr Elghandour, Faculty of Media Engineering and Technology, German University in Cairo

Adel Eltoweiry, Faculty of Media Engineering and Technology, German University in Cairo

Mohammed A.M. Salem, Faculty of Media Engineering and Technology, German University in Cairo

Nada Sharaf, Faculty of Media Engineering and Technology, German University in Cairo

#### ● ICICIS2025-54

##### **Accuracy Enhancement of Arabic Handwritten Signature Verification: A Case Study of MobileNet-V2**

Abdualbaset Goweder, Computer Science Department, Libyan Academy Tripoli, Libya

Eisha Rzage, Computer Science Department, Libyan Academy Tripoli, Libya

Anas Ismail, Faculty of Business Informatics, Egyptian University of Informatics

#### ● ICICIS2025-57

##### **Real-Time Cognitive Emotion Mapping for Human- Avatar Interaction in VR**

Seif Ehab El Sheikh, Media Engineering Technology, German University in Cairo

Hossam Sanad, Media Engineering Technology, German University in Cairo

Nada Hamed Sharaf, Media Engineering Technology, German International University

Mohammed A.-M. Salem, Media Engineering Technology, German University in Cairo

#### ● ICICIS2025-58

##### **Detection of Large Language Model-Generated Text: A Comprehensive Review**

Doaa Mostafa, Department of Computer Science, Faculty of Computer and Information Science, Ain Shams University

Sally Ismail, Department of Computer Science, Faculty of Computer and Information Science, Ain Shams University

Mostafa Araf, Department of Computer Science, Faculty of Computer and Information Science, Ain Shams University

#### ● ICICIS2025-61

##### **Machine Learning Models for Predicting Deformation in RC Slabs Shielded by Auxetic Sandwich Panels Under Impact**

Aya Elhazayen, Civil Engineering, The British University in Egypt

Zahy Y. Elgendy, Mechatronics & Robotics Engineering, The British University in Egypt

Bahy Y. Elgendy, Civil Engineering, The British University in Egypt

# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Monaco Hall B**

## **CS 6 - Bioinformatics, Health Informatics and Biomedical Systems I**

### **Session Chairs:**

Dr. Maryam Nabil, Dr. Mahmoud Monir, Dr. Salsabil El-Regaily

● **06:00 - 07:30** ●

### ● **ICICIS2025-13**

#### **Deep Neural Network-Based Classification of Glaucoma Severity from Humphrey Visual Field Data**

Salsabil El-Regaily, Basic Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Tasneem Abdalgadir, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Thanaa Mohamed, Ophthalmology Department, Faculty of Medicine, Ain Shams University

Mohamed Hamza, Ophthalmology Department, Faculty of Medicine, Ain Shams University

El-Sayed El-Horbaty, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-34**

#### **Leveraging Deep Learning for Early Detection and Prevention of Cardiovascular and Stroke: A Comprehensive Review**

Abdelrahman Alaa Sadik, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Mabrouk Morsey, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Taymoor Nazmy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

El-Sayed M. El-Horbaty, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-43**

#### **Detecting Autism in Children through Facial Image Analysis Using Transfer Learning**

Mohammed Alaa, FCIS, Ain Shams University

Mennatullah Hassanin, FCIS, Ain Shams University

Osama Usry, FCIS, Ain Shams University

Manar Ashraf, FCIS, Ain Shams University

Ahmed Abdelhamed, FCIS, Ain Shams University

Ibrahim Ahmed, FCIS, Ain Shams University

Eslam Ayman, FCIS, Ain Shams University

Mirna Al-Shetairy, FCIS, Ain Shams University

Tamer Abdelkader, Faculty of computer Science and engineering, Galala University

### ● **ICICIS2025-45**

#### **DaViT-Tiny: Breast Cancer Classification Using Dual Attention Vision Transformers with Composite Optimization**

Ghada Hamed, Faculty of Computers and Information Sciences, Ain Shams University

Ahmed El-Motaz Ahmed, Faculty of Computers and Information Sciences, Ain Shams University

Safaa El-Sayed Amin, Faculty of Computers and Information Sciences, Ain Shams University

Mohammed Abd El-Rahman Marey, Faculty of Computers and Information Sciences, Ain Shams University

### ● **ICICIS2025-48**

#### **Enhancing Depression Detection Accuracy via Decision Tree and Salp Swarm-Based Feature Optimization**

Alwan Atta, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Dina El Sayad, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Doaa Ezzat, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Safaa Amin, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Mahmoud El Gamal, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

# ICICIS 2025 Conference Sessions

**Tuesday, November 25, 2025 - Monaco Hall B**

## **CS 6 – Bioinformatics, Health Informatics and Biomedical Systems I**

### ● **ICICIS2025-70**

#### **Integration of Multi-omics data in Cancer Research: Challenges, Computational Approaches and Applications**

Amany Mostafa, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Mahmoud Mounir, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Walaa Gad, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-102**

#### **An Efficient Deep Learning Framework for Retinal Diseases Diagnosis and Treatment Guidance based on Explainable AI**

Yasmine Mohammed, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Eman Amin, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Rasha Ismail, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

## **CS 7 – Bioinformatics, Health Informatics and Biomedical Systems II**

### ***Session Chairs:***

Prof. Mohamed Aouf, Dr. Nivin Atef, Dr. Donia Gamal

### ● **06:00 - 07:30** ●

### ● **ICICIS2025-49**

#### **Leveraging Sentiment Analysis and Particle Swarm Optimization for Accurate Mental Disorders' Detection**

Alwan Atta, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Dina El Sayad, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Doaa Ezzat, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Safaa Amin, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

Mahmoud El Gamal, Scientific Computing Department, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-107**

#### **Evaluating Multimodal Large Language Models for Clinical Diagnosis of Oral Lesions: A Biomedical Informatics Perspective**

Fatma E.A. Hassanein, Oral Medicine, Periodontology, and Oral Diagnosis, Faculty of Dentistry, King Salman International University

Jylan El-Guindy, Prosthodontics Dentistry, Faculty of Dentistry, King Salman International University

Yousra Ahmed, Prosthodontics Dentistry, Faculty of Dentistry, King Salman International University

### ● **ICICIS2025-110**

#### **Towards Explainable Multi-Modal Fusion Strategies for ASD Detection: A Review**

Nada S. El-Askary, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University

Mohamed Gawish, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University

Mohamed Mabrouk Morsey, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University

Abeer M. Mahmoud, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University

Mostafa Aref, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University

Taha Ibrahim El-Arif, Faculty of Computer and Information Sciences, Computer Science Department, Ain Shams University;

### ● **ICICIS2025-111**

#### **Edge Powered System for Latency-Sensitive Remote Health Informatics**

Ragaa Shehab, Faculty of Computer Studies, Arab Open University

# ICICIS 2025 Conference Sessions

## CS 7 – Bioinformatics, Health Informatics and Biomedical Systems II

### ● ICICIS2025-120

#### Integrating Environmental Toxins into Biomedical Knowledge Graphs for Disease Prediction Using Graph Neural Networks

Rofida Gamal Agmy, Information Systems Department, Assiut University

Tayseer Hassan A. Soliman, Information Systems Department, Assiut University

Aliaa Gamal Agmy, MBCh Independent General Practitioner Formerly, Faculty of Medicine, Assiut University

Heba Atia Yassa, Department of Forensic Medicine and Clinical Toxicology Assiut University

Marwa Hussein Abdelreheim, Information Systems Department, Assiut University

### ● ICICIS2025-122

#### AI-Driven Approaches for Geriatric Neurodegenerative Diseases Prediction and Detection: A Comprehensive Study

Maram Hatem, Bioinformatics Department, Faculty of Computer and Information Science Ain Shams University

Shaimaa Haridy, Information System Department, Faculty of Computer and Information Science Ain Shams University

Naglaa Fathy, Information System Department, Faculty of Computer and Information Science Ain Shams University

Walaa Gad, Information System Department, Faculty of Computer and Information Science Ain Shams University

### ● ICICIS2025-123

#### Spiking Neural Network for Visual Attention in Brain Tumor Segmentation

Mostafa Ahmed, German University in Cairo

Shady Nagy, Institute for Neural Computation, Ruhr University Bochum

Mohammed Salem, German University in Cairo

**Tuesday, November 25, 2025 - Louvre 1**

## CS 8 – Software Engineering

### *Session Chairs:*

Dr. Yasmine Afify, Dr. Eman Amin, Dr. Dina Fawzy

### ● 06:00 - 07:30 ●

### ● ICICIS2025-55

#### Lightweight Developer-Friendly Explanations for Software Defect Prediction

Nour Elhuda Ashraf, Cairo University

Lamia Abo Zaid, Cairo University

Mohammad El-Ramly, Cairo University

Marvy Badr, BUE

### ● ICICIS2025-83

#### Automated X-Ray Chest Report Generation

Ahmed Fahmy, The British University in Egypt

Manar El Meshad, The British University in Egypt

### ● ICICIS2025-109

#### State of the Art in Automated Agile User Story Prioritization - Methods, Challenges, and Research Gaps

Mariam Elmasry, Cairo University

Dr. Lamia Abo Zaid, Faculty of Computers and Artificial Intelligence, Cairo University

Prof. Hesham Hassan

### ● ICICIS2025-112

#### SPARQ: Sidecar Pooling for Serverless Cold Start Mitigation

Noha Waly, Cairo University



# Scheduled Program (Detailed Map)

**Wednesday, November 26, 2025**

- **8:30 - 9:30**      **Registration**

**Keynote Speech III - Monaco Hall A**

**Session Chairs:**

Prof. Mohamed El-Said Abdo, Prof. Mohamed Hashem, Prof. Mostafa Aref

- **9:30 - 10:15**      **Speech 3: Cybersecurity and Privacy at the Crossroads of Economics, Public Policy, and Law**

Prof. Robert H. Sloan

Professor of Computer Science at the University of Illinois Chicago (UIC), USA.

**Keynote Speech IV - Monaco Hall A**

**Session Chairs:**

Prof. El-Sayed M. El-Horbaty, Prof. Sayed Fadel, Prof. Rasha Ismail, Prof. Tamer Mostafa

- **10:15 - 11:00**      **Speech 4: Leveraging Collective Intelligence for Inclusive Global Healthcare**

Prof. Shadi Albarqouni

Professor for Computational Medical Imaging Research at the University of Bonn, Germany

- **11:00 - 12:30**

**CS 9 - Monaco Hall A**  
AI, Robotics,  
Multimedia and  
Data Visualization III

**CS 10- Monaco Hall B**  
IOT, Smart  
Environments and  
Pervasive Computing

**WS2- Monaco Hall C**  
Ericson Workshop  
Session

**CS 11 - Louvre 1**  
Bioinformatics, Health  
Informatics and  
Biomedical Systems III

- **12:30 - 1:00**      **Coffee Break - Iceland Hall** ☕

- **1:00 - 2:30**

**CS 12- Monaco Hall A**  
AI, Robotics,  
Multimedia and  
Data Visualization IV

**CS 13- Monaco Hall B**  
Applied Artificial  
Intelligence II

**WS3- Monaco Hall C**  
Noon Workshop Session  
'System Design in  
motion: How noon  
handles tens of Millions  
of requests'  
Kareem Hany, Backend Engineer

**CS 14- Louvre 1**  
Data Science and  
Knowledge  
Discovery II

- **2:30 - 3:30**      **Lunch - Pavilion Restaurant** 🍽️

- **3:30 - 5:00**

**CS 15- Monaco Hall A**  
AI, Robotics,  
Multimedia and  
Data Visualization V

**CS 16- Monaco Hall B**  
Applied Artificial  
Intelligence III

**CS 17- Monaco Hall C**  
Cyber Security,  
Forensics and  
Computer Networks II

**CS 18- Louvre 1**  
AI, Robotics, Multimedia  
and Data Visualization VI

- **5:00 - 5:30**      **Coffee Break - Iceland Hall** ☕

- **5:30 - 6:00**      **Closing Session - Monaco Hall A**

KS: Keynote Speech

CS: Conference Session

WS: Workshops Session

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall A**

## **CS 9 - Artificial Intelligence, Multimedia and Data Visualization III**

**Session Chairs:** Prof. Hwoida Sheeded, Dr. Dina Khatib, Dr. Hanan Ahmed

● **11:00 - 12:30** ●

● **ICICIS2025-65**

### **Benchmarking YOLO Variants for Underwater Pollution Detection**

Mohamed Tawfik, Department of Scientific Computing, Faculty of Computer and Information Sciences, Ain Shams University

Soha Shabaka, National Institute of Oceanography and Fisheries NIOF-Egypt

Wael Badawy, Department of Data Science, School of Artificial Intelligence, Egyptian Russian University

● **ICICIS2025-67**

### **Performance Evaluation of YOLO Models for Sign Language Detection: A Comparative Study**

Mohamed Tawfik, Department of Scientific Computing, Faculty of Computer and Information Sciences, Ain Shams University

Wael Badawy, Department of Data Science, School of Artificial Intelligence, Egyptian Russian University

● **ICICIS2025-80**

### **Next-Generation MCDM: How AI is Revolutionizing the Decision Support Process**

Mai Hesham Ahmed, Computer Science Department, Faculty of Computer and Information, Sadat Academy for Management Sciences

Prof. Magdy Aboul-Ela, Computer Science Department, Faculty of Computer and Information, Sadat Academy for Management Sciences

Dr. Randa Elwakil, Computer Science Department, Faculty of Computer and Information, Sadat Academy for Management Sciences

Dr. Basem M. Ibrahim, Faculty of Computer Science and Information Technology, Agriculture Research Center

● **ICICIS2025-86**

### **An Enhanced Explainable Machine Learning Approach for Livestock Diseases Classification Using Neutrosophic Set-Based Feature Selection**

Aya Adel, Faculty of Computers and Artificial Intelligence, Cairo University

Eman Ahmed, Faculty of Computers and Artificial Intelligence, Cairo University

Nour Eldeen Khalifa, Faculty of Computers and Artificial Intelligence, Cairo University

● **ICICIS2025-87**

### **Toward Energy-Aware AI: Optimization Strategies and Practitioner Guidelines**

Razan Bayoumi, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Hanan Hindy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Taymoor Nazmy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Abdel-Badeeh M. Salem, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-99**

### **Reviving Fine Details in Historical Photographs Using A-ESRGAN: An AI Framework for Digital Heritage**

Yvonne C. Jegede, Faculty of Computing, Georgia Southern University, Statesboro, USA

Temitope D. Jegede, Faculty of Computing, Georgia Southern University, Statesboro, USA

Atef Mohamed (Shalan), Faculty of Computing, Georgia Southern University, Statesboro, USA

● **ICICIS2025-103**

### **Diagnosis of Diseases in Color Fundus Images Using Deep Learning Algorithms with Explainable Visualization**

Mohamed Aouf, Higher Technological Institute

Mohamed Eid, Higher Technological Institute

Naglaa Samara, Higher Technological Institute

Ghada Gameel Higher Technological Institute

● **12:30 - 1:00**

**Coffee Break - Iceland Hall**



# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall B**

## **CS 10: Internet of Things, Smart Environments and Pervasive Computing I**

**Session Chairs:** Prof. Ali El-Naem, Dr. Heba Khaled, Dr. Kareem Emara

● **11:00 - 12:30 ●**

● **ICICIS2025-10**

**Network Monitoring for Wireless Sensor Network Using Vertex-Cover Models**

Yomna A. Abdou, Information Technology Department, Assiut International Technological University

Mohamed Abdelraheem, Electrical Engineering and Computing Science Department, Rochester Institute of Technology, Dubai, UAE

Amr Abdelhafez, Department of Computing, Southeast Technological University, Carlow, Ireland

● **ICICIS2025-25**

**Scheduling Model for IoT in Hybrid Fog-Cloud Computing**

Mahmoud S. Hamid, Department of Electronic Engineering, Military Technical Collage, Egyptian Armed Forces

Moahmed Ghetas, Faculty of Computer Science and Engineering, Galala University

● **ICICIS2025-124**

**Enhancing Short-Term Electricity Consumption Forecasting with Deep Learning Models**

Mahmoud Ahmed Mohamed, Systems and Computers Engineering, Department, Al-Azhar University

Nagdy Mahmoud Nagdy, Systems and Computers Engineering, Department, Al-Azhar University

Karim Emara, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-134**

**Batched and Hybrid Homomorphic Encryption Performance for Real-time Privacy-Preserving Machine Learning**

Walaa Saad Mahmoud, Faculty of Media Engineering and Technology, German University in Cairo

Mohammed Abdel-Megeed Salem, Faculty of Media Engineering and Technology, German University in Cairo

Abdel-Rahman Hedar, Department of Computer Science, Faculty of Computers and Information Assiut University

● **ICICIS2025-149**

**Developing Graph-Based Models for Mobile Network Management in IoT**

Amr Adel Kamal Abdel Wahab, Information Technology Department, Assiut International Technological University

Mohamed Abdelraheem, Electrical Engineering and Computing Science Department, Rochester Institute of Technology, Dubai, UAE

Mamdouh Farouk, Computer Science Department, Assiut University

Abdel-Rahman Hedar, Computer Science Department, Assiut University

● **ICICIS2025-151**

**The Evolution of Metaverse for Smart Psychotherapy System**

Ahmed Z. Abed, Faculty of Computer and Information Sciences, Ain Shams University

Tamer Abdelkader, Faculty of Computer Science and Engineering, Galala University

Mohamed Hashem, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-8**

**Study of Brain Image Segmentation Techniques: Bridging Classical Methods and Quantum Innovations**

Salma Mostafa A. Helmy, Software Engineering Department FCIS, Ain Shams University

Salsabil A. El-Regaily, Basic Science Department, FCIS, Ain Shams University

Abeer M. Mahmoud, Computer Science Department FCIS, Ain Shams University

El-Sayed M. El-Horbaty, Computer Science Department FCIS, Ain Shams University

● **12:30 - 1:00**      **Coffee Break - Iceland Hall** ☕



# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall C**

● 11:00 - 12:30

**WS2: Ericson Workshop Session**

● 12:30 - 1:00 **Coffee Break - Iceland Hall** ☞

**Wednesday, November 26, 2025 - Louvre 1**

**CS 11 - Bioinformatics, Health Informatics and Biomedical Systems III**

Session Chairs: Prof. Rania Elgohary, Dr. Ghada Hamed, Dr. Fatma Najib

● 11:00 - 12:30

● ICICIS2025-125

**Machine Learning Approaches for Detecting Lung Cancer: A Review**

Zeina Rayan, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Islam Hegazy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Roushdy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Abdel-Badeeh M. Salem, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

● ICICIS2025-131

**Survey on Deep Learning methods in Drug Repurposing**

Ahmed Abo Elsoud, Faculty of Computer and Information Sciences, Ain Shams University

Mahmoud Mounir, Faculty of Computer and Information Sciences, Ain Shams University

Walaa Gad, Faculty of Computer and Information Sciences, Ain Shams University

Nagwa Badr, Faculty of Computer and Information Sciences, Ain Shams University

● ICICIS2025-132

**Cost-Sensitive Learning for HER2-Positive Breast Cancer Diagnosis Using Clinical Data: A Resource-Conscious Framework for Low-Resource Settings**

Hoda Waquih, Department of Computer Sciences, Sadat Academy for Management Sciences

● ICICIS2025-172

**Drug-Drug Interaction Prediction using CNN and Drugs Molecular Descriptors**

Nourhan Mohamd Helmy, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Huda Amin Maghawry, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Nagwa Badr, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

● ICICIS2025-182

**Multi-Similarity Molecular Fingerprint Screening Approach based on Morgan Fingerprints for the Discovery of Novel 5 $\alpha$ -Reductase Inhibitors**

Ahmed Bahaa Shalaby, Department of Bioinformatics, Faculty of Computer and Information Sciences, Ain Shams University

Huda Amin Maghawry, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Nagwa Badr, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

● ICICIS2025-184

**A Comprehensive Review on Machine Learning Approaches for Detecting Knee Osteoporosis**

Nadeen Tarek Moussa, Information Systems Department, FCIS, Ain Shams University

Eman Amin, Information Systems Department, FCIS, Ain Shams University

Walaa Gad, Information Systems Department, FCIS, Ain Shams University

● 12:30 - 1:00 **Coffee Break - Iceland Hall** ☞



# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall A**

## **CS 12 - Artificial Intelligence, Multimedia and Data Visualization IV**

**Session Chairs:** Prof. Mohammed A. M. Salem, Dr. Ahmed Salah, Dr. Mohamed Mabrouk

● **1:00 - 2:30**

### ● **ICICIS2025-114**

#### **DistillLLM-Med: A Lightweight Medical Language Model through Knowledge Distillation**

Mohamed Abo El-Enen, Faculty of Computer and Information Sciences, Ain Shams University

Sally Saad, Faculty of Computer and Information Sciences, Ain Shams University

Taymoor Nazmy, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-119**

#### **Fake Profile Detection Using Fine-Tuned Embedding Models**

Mark Mounir, Faculty of Media Engineering and Technology (MET), German University in Cairo

Aya Abd El Hady, Faculty of Media Engineering and Technology (MET), German University in Cairo

### ● **ICICIS2025-128**

#### **A Review on Image Forgery Detection using Deep Learning Techniques**

Mohamed Abdelmaksoud, Faculty of Computers and Artificial Intelligence, Cairo University

Basheer Youssef, Faculty of Computers and Artificial Intelligence, Cairo University

Khaled Wassif, Faculty of Computers and Artificial Intelligence, Cairo University

Reda A. El-Khoribi, Faculty of Computers and Artificial Intelligence, Cairo University

### ● **ICICIS2025-129**

#### **Classification of Stress Topics in Mental Health Texts Using Deep Learning**

Eman Hamdi, Computer Science Department, Faculty of Computer and Information Science

Mohamed Mabrouk, Computer Science Department, Faculty of Computer and Information Science

Sherine Rady, Information systems Department, Faculty of Computer and Information Science

Mostafa Aref, Computer Science Department, Faculty of Computer and Information Science

### ● **ICICIS2025-130**

#### **Deep Learning-Based COVID-19 Forecasting in Egypt Using Behavioral and Epidemiological Features Across Multiple Time Horizons**

Aya Mahmoud Ahmed, Department of Computer Science, Faculty of Computers and Artificial Intelligence, Cairo University

Khaled Tawfik Wassif, Department of Computer Science, Faculty of Computers and Artificial Intelligence, Cairo University

Hanaa Bayomi Mobarz, Department of Computer Science, Faculty of Computers and Artificial Intelligence, Cairo University

### ● **ICICIS2025-133**

#### **SummARai: A Transformer-Based System for Hybrid Summarization of Large-Scale Arabic Documents**

Rowan Madeeh Mohamed, Department of Computer Sciences, Faculty of Computing and Artificial Intelligence, Cairo University

Abdelrahman Gomaa Fathy, Department of Computer Sciences, Faculty of Computing and Artificial Intelligence, Cairo University

Abdelrahman Mohamed Ezzat Akeel, Department of Computer Sciences, Faculty of Computing and Artificial Intelligence, Cairo University

Fatma El-zahraa Ashraf Serry Akeel, Department of Computer Sciences, Faculty of Computing and Artificial Intelligence, Cairo University

Momen Mostafa Mabrouk Elsayed Akeel, Department of Computer Sciences, Faculty of Computing and Artificial Intelligence, Cairo University

Mohammad El-Ramly, Faculty of Computing and Artificial Intelligence, Cairo University, University of London Branch in the European Universities in Egypt

● **2:30 - 3:30**

**Lunch - Pavilion Restaurant** 

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall B**

## CS 13- Applied Artificial Intelligence II

**Session Chairs:** Prof. Hassan Ramadan, Dr. Mirvat Al-Qutt, Dr. Doaa Mahmoud

● **1:00 - 2:30**

### ● ICICIS2025-85

#### **Milo: An AI-based Arabic-Enabled Multi-Modal Advanced Driver Assistant System**

Nour Ahmed Sadek, Scientific Computing Department, FCIS, Ain Shams University

Nourhan Salah Mohamed, Scientific Computing Department, FCIS, Ain Shams University

Mohamed Essam, Scientific Computing Department, FCIS, Ain Shams University

Nour Sami Mahmoud, Scientific Computing Department, FCIS, Ain Shams University

Habiba Naser Saieed, Scientific Computing Department, FCIS, Ain Shams University

Jana Ashraf Nabout, Scientific Computing Department, FCIS, Ain Shams University

Hazem Youssef, Scientific Computing Department, FCIS, Ain Shams University

Dina Khattab, Scientific Computing Department, FCIS, Ain Shams University

### ● ICICIS2025-89

#### **LexaQuery: Automated Query Generation**

Nour Madkor, Faculty of Computer and Information Sciences, Ain Shams University

Rana El Nezamy, Faculty of Computer and Information Sciences, Ain Shams University

Rawan Abdou, Faculty of Computer and Information Sciences, Ain Shams University

Salma Yasser, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Essam, Faculty of Computer and Information Sciences, Ain Shams University

Salsabil El-Regaily, Faculty of Computer and Information Sciences, Ain Shams University

### ● ICICIS2025-91

#### **A Deep Learning and NLP-Based Platform for Computer Science Development**

Mustafa Hussein, FCIS, Ain Shams University

Waleed Mohamed, FCIS, Ain Shams University

Abdalla Mohsen, FCIS, Ain Shams University

Mennatullah Ibrahim, FCIS, Ain Shams University

Kerolos Samaan, FCIS, Ain Shams University

Hajer Essam, FCIS, Ain Shams University

Radwa Reda, FCIS, Ain Shams University

Sally Saad, FCIS, Ain Shams University

### ● ICICIS2025-100

#### **Adaptive Study Plan Generator Using Machine Learning Techniques**

Fadi Magdi, Software Engineering Department, FCIS, Ain Shams University

Karim Fouad, Software Engineering Department, FCIS, Ain Shams University

Ahmed Tarek, Software Engineering Department, FCIS, Ain Shams University

Ahmed Sameh, Software Engineering Department, FCIS, Ain Shams University

Aly Yehia, Software Engineering Department, FCIS, Ain Shams University

Mohamed Magdy, Computer Science Department, FCIS, Ain Shams University

Naglaa Fathy, Information Science Department, FCIS, Ain Shams University

### ● ICICIS2025-108

#### **Detecting Alzheimer's Disease Through Speech Patterns**

Salma Rashwan, Computer Science Department, FCIS, Ain Shams University

Zeinab Mahmoud, Computer Science Department, FCIS, Ain Shams University

Salma Mohamed, Computer Science Department, FCIS, Ain Shams University

Smaher Salim, Computer Science Department, FCIS, Ain Shams University

Marwa Ehab, Computer Science Department, FCIS, Ain Shams University

Khira Ebe, Computer Science Department, FCIS, Ain Shams University

Omar S. EL-Assiouti, Computer Science Department, FCIS, Ain Shams University

Hanan Hindy, Computer Science Department, FCIS, Ain Shams University

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall B**

## CS 13- Applied Artificial Intelligence II

**Session Chairs:** Prof. Hassan Ramadan, Dr. Mirvat Al-Qutt, Dr. Doaa Mahmoud

● **1:00 - 2:30**

● **ICICIS2025-146**

**UniVenture: Fusing AI-Powered Learning and AR Gaming for Next-Gen Campus Engagement**

Kirollos Berty, Faculty of Engineering, Ain Shams University

Hania Abdelkhalek, Faculty of Engineering, Ain Shams University

Hamza Sayed, Faculty of Engineering, Ain Shams University

Mohammad Ashraf, Faculty of Engineering, Ain Shams University

Maryam Al Berry, Faculty of Engineering, Ain Shams University

● **2:30 - 3:30**

**Lunch - Pavilion Restaurant** ☺

**Wednesday, November 26, 2025 - Monaco Hall C**

● **1:00 - 2:30**

**WS3: Noon Workshop Session**

**'System Design in motion: How noon handles tens of Millions of requests'**

Kareem Hany, Backend Engineer

● **2:30 - 3:30**

**Lunch - Pavilion Restaurant** ☺

**Wednesday, November 26, 2025 - Louvre 1**

## CS 14 - Data Science and Knowledge Discovery II

**Session Chairs:** Dr. Huda Maghwary, Dr. Dina Elsiad, Dr. Amira Aly

● **1:00 - 2:30**

● **ICICIS2025-141**

**Ablation-Guided Litterfall Forecasting with Tree-Based Ensemble Models**

Nourhan K. ElBahnasy, Faculty of Computer and Information Sciences, Ain Shams University

Fatma M. Najib, Faculty of Computer and Information Sciences, Ain Shams University

Wedad Hussein, Faculty of Computer and Information Sciences, Ain Shams University

Walaa Gad, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-142**

**An Efficient Hybrid Decision Tree-Black Hole Algorithm for High-Utility K-Anonymity**

Saad A. Abdelhameed, Planning Techniques Center, Institute of National Planning

Alshaimaa Abo-Allan, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Tamer Abdelkader, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

Nagwa L. Badr, Information Systems Department, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-178**

**Photovoltaic Fault Detection with Deep Learning: Trends, Challenges, and Gaps**

Amira Fekry, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Yasmine M. Afify, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Nivin A. Helal, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Walaa Gad, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Louvre 1**

## CS 14 - Data Science and Knowledge Discovery II

**Session Chairs:** Dr. Huda Maghawry, Dr. Dina Elsiad, Dr. Amira Aly

● **1:00 - 2:30**

● **ICICIS2025-194**

### **A Survey on Fake Image Detection Methodologies: Trends and Techniques**

Islam Abbas, Department of Digital Arts and Design, Egypt University of Informatics

Nivin A. Hela, Department of Information Systems, Ain Shams University

Walaal Gad, Department of Information Systems, Ain Shams University

Ahmed Hamad, Department of Computer Systems, Ain Shams University

● **ICICIS2025-98**

### **The Evolution of Pattern Mining: From Frequent to High-Utility to High-Efficiency Patterns**

Mohamed Ashraf, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Eman Maghawry, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Tamer Abdelkader, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

Rasha M. Ismail, Information Systems Department, Faculty of Computer and Information Science, Ain Shams University

● **2:30 - 3:30**

**Lunch - Pavilion Restaurant** 🍴🍽️

**Wednesday, November 26, 2025 - Monaco Hall A**

## CS 15-Artificial Intelligence, Robotics, Multimedia and Data Visualization V

**Session Chairs:** Dr. Wedad Hussien, Dr. Naglaa Fathy, Dr. Randa Abdelmonem

● **3:30 - 5:00**

● **ICICIS2025-135**

### **Adaptive Dynamic RGB Filtering in Immersive Metaverse Environments to Enhance Red-Green Color Differentiation for Color Blindness Children**

Ibrahim F. Ibrahim, Department of Computer Science, FCIS, Ain Shams University

Mohammed M. Morsey, Department of Computer Science, FCIS, Ain Shams University

Abeer M. Mahmoud, Department of Computer Science, FCIS, Ain Shams University

El-Sayed M. El-Horbaty, Department of Computer Science, FCIS, Ain Shams University

● **ICICIS2025-140**

### **Benchmarking State-of-the-Art Math Word Problem Solvers on Arabic Data**

Marwa Salah-Eldin Salem, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Mabrouk Morsey, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Salsabil Amin El-Regaily, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Mostafa Aref, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-144**

### **A Semantic Ontology for Modeling COVID-19 Data in Egyptian Hospitals: Structure, Scope, and Use Cases**

Mohamed Ali, Computer Science Department, Faculty of Computer and Information Science, Ain Shams University

Zaki Taha, Computer Science Department, Faculty of Computer and Information Science, Ain Shams University

Mohamed Mabrouk, Computer Science Department, Faculty of Computer and Information Science, Ain Shams University



# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall A**

## CS 15-Artificial Intelligence, Robotics, Multimedia and Data Visualization V

Session Chairs: Dr. Wedad Hussien, Dr. Naglaa Fathy, Dr. Randa Abdelmonem

● **3:30 - 5:00**

● **ICICIS2025-145**

**Bridging Vision and Arabic: A Deep Learning Survey of Arabic Image Captioning Techniques**

Mohamed Magdi Mohamed, Department of Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

Mohamed Mabrouk Morsey, Department of Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

Mostafa Aref, Department of Computer Science, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-148**

**Stock Price Behavior in Developed and Developing Techniques Markets: A Comparative Analysis**

Abdulrahman Elwakil, Faculty of Computer and Information Sciences, Ain Shams University

Mirvat Al-Qutt Elwakil, Faculty of Computer and Information Sciences, Ain Shams University

Said Ghoniemy Elwakil, Faculty of Computer and Information Sciences, Ain Shams University

● **ICICIS2025-156**

**Enhancing Image-based Object Detection for Autonomous Driving Using Deep Learning Technique**

Yomna Hatem Mohamed, Faculty of Computer and Information Sciences, Ain Shams University

Sherine Rady, Faculty of Computer and Information Sciences, Ain Shams University

Rasha Ismail, Faculty of Computer and Information Sciences, Ain Shams University

● **5:00 - 5:30**

**Coffee Break - Iceland Hall** ☎

● **5:30 - 6:00**

**Closing Session - Monaco Hall A**

**Wednesday, November 26, 2025 - Monaco Hall B**

## CS 16 - Applied Artificial Intelligence III

Session Chairs: Dr. Shima Haridy, Dr. Dalia Shoman, Dr. Soaad Bakry

● **3:30 - 5:00**

● **ICICIS2025-155**

**A Unified Framework for AR Indoor Navigation and Conversational Information Retrieval in Smart Campus Environments**

Ahmed Magdy, Department of Computer Science, FCIS, Ain Shams University

Ahmed Mohamed, Department of Computer Science, FCIS, Ain Shams University

Amr Boghdady, Department of Computer Science, FCIS, Ain Shams University

Basily Achraf, Department of Computer Science, FCIS, Ain Shams University

Hassan Mohamed, Department of Computer Science, FCIS, Ain Shams University

Ziad Abd-El-Hamid, Department of Computer Science, FCIS, Ain Shams University

Samar Ali, Department of Computer Science, FCIS, Ain Shams University

Islam Hegazy, Department of Computer Science, FCIS, Ain Shams University

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall B**

## **CS 16 - Applied Artificial Intelligence III**

**Session Chairs:** Dr. Shima Haridy, Dr. Dalia Shoman, Dr. Soaad Bakry

### ● **3:30 - 5:00**

#### ● **ICICIS2025-158**

##### **Wish a Pic: An AI-Powered Platform for Automated Visual Content Generation**

Omar Ayman Abdallah, Information Systems Department FCIS, Ain Shams University

Moataz Mohamed Abdelmonem, Information Systems Department FCIS, Ain Shams University

Nouran Tarek Abdelazim, Information Systems Department FCIS, Ain Shams University

Mohamed Ayman Mohamed, Information Systems Department FCIS, Ain Shams University

Hager Ahmed Hassan Alfakharany, Information Systems Department FCIS, Ain Shams University

Abdallah Mohamed Shaban, Information Systems Department FCIS, Ain Shams University

Engy Abdallah Mohamed, Information Systems Department FCIS, Ain Shams University

Mona A.Azim, Information Systems Department FCIS, Ain Shams University

#### ● **ICICIS2025-168**

##### **Smart Child Monitoring System with Real-Time Danger Detection using Artificial Intelligence**

Rowane Ahmed, Scientific Computing Department FCIS, Ain Shams University

Clara Kamel, Scientific Computing Department FCIS, Ain Shams University

Marie Osama, Scientific Computing Department FCIS, Ain Shams University

Mehrati Sameh, Scientific Computing Department FCIS, Ain Shams University

Merna Tarek, Scientific Computing Department FCIS, Ain Shams University

Kareem Ali, Scientific Computing Department FCIS, Ain Shams University

Radwa Reda Hossieny, Scientific Computing Department FCIS, Ain Shams University

Doaa Ezzat, Scientific Computing Department FCIS, Ain Shams University

#### ● **ICICIS2025-169**

##### **Artificial Intelligence Powered System for Real-Time Food Quality Analysis**

Mayar Mostafa, Scientific Computing Department, FCIS, Ain Shams University

Sara Sameh, Scientific Computing Department, FCIS, Ain Shams University

Yomna Omar, Scientific Computing Department, FCIS, Ain Shams University

Nadia Ayman, Scientific Computing Department, FCIS, Ain Shams University

Shams Hany, Scientific Computing Department, FCIS, Ain Shams University

Yasmeen Yasser, Scientific Computing Department, FCIS, Ain Shams University

Radwa Hossieny, Scientific Computing Department, FCIS, Ain Shams University

Safaa Amin, Scientific Computing Department, FCIS, Ain Shams University

#### ● **ICICIS2025-171**

##### **Arabic Books Search Engine using NLP techniques**

Yousef Nasser Mohamed, Scientific Computing Department, FCIS, Ain Shams University

Mohamed Ahmed Elsayed, Scientific Computing Department, FCIS, Ain Shams University

Mohamed Sayed Zakaria, Scientific Computing Department, FCIS, Ain Shams University

Mahmoud Mohammed Mostafa, Scientific Computing Department, FCIS, Ain Shams University

Kerolos Ashraf Fouad, Scientific Computing Department, FCIS, Ain Shams University

Abd Elrahman Mohamed Ahmed, Scientific Computing Department, FCIS, Ain Shams University

Howida Shdeed, Scientific Computing Department, FCIS, Ain Shams University

Nouran El-Sayed, Scientific Computing Department, FCIS, Ain Shams University

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Monaco Hall B**

## CS 16 - Applied Artificial Intelligence III

*Session Chairs:* Dr. Shima Haridy, Dr. Dalia Shoman, Dr. Soaad Bakry

● **3:30 - 5:00**

● **ICICIS2025-188**

**MediHub: Multi-Modal AI for Clinical Decision Support**

Yomna Gabry, Department of Artificial Intelligence, Ain Shams University

Lojain Shaalan, Department of Artificial Intelligence, Ain Shams University

Walaal Gad, Department of Artificial Intelligence, Ain Shams University

● **5:00 - 5:30**

**Coffee Break - Iceland Hall** ☕

● **5:30 - 6:00**

**Closing Session - Monaco Hall A**

**Wednesday, November 26, 2025 - Monaco Hall C**

## CS 17 - Cyber Security, Forensics and Computer Networks II

*Session Chairs:* Dr. Al Shima AboAllian, Dr. Mahmoud Faye, Dr. Hafez Selim

● **3:30 - 5:00**

● **ICICIS2025-60**

**Navigating Blockchain's Promise and Pitfalls: Comprehensive Insights into Architecture, Scalability, and Future**

Salma Montaser Abdelhafez, Egyptian E-learning University Assuit

Kamal S. Hamza, Egyptian E-learning University Assuit

Hesham Ahmed Hassan, Faculty of computing and Artificial Intelligence, Cairo University

● **ICICIS2025-62**

**Trustworthy AI for Modbus/TCP Intrusion Detection in Industrial Control Systems**

Mohamed Tawfik, Department of Scientific Computing, Faculty of Computer and Information Sciences, Ain Shams University

Wael Badawy, Department of Data Science, School of Artificial Intelligence, Egyptian Russian University

● **ICICIS2025-66**

**AI-Based Detection of Zero-Day Exploits: A Framework**

Wael Badawy, Department of Data Science, School of Artificial Intelligence, Egyptian Russian University

● **ICICIS2025-175**

**Integrating EDF-PI Scheduling with TDMA-CAN for Reliable Fault-Tolerant Real-Time Embedded Systems**

Temitope Damilola Elijah, College of Engineering and Computing, Georgia Southern University, Statesboro, Georgia

Nafeel Alam Walee, College of Engineering and Computing, Georgia Southern University, Statesboro, Georgia

Atef Mohamed (Shalan), College of Engineering and Computing, Georgia Southern University, Statesboro, Georgia

● **ICICIS2025-193**

**An Efficient Intrusion Detection for IoT Networks: A SHAP-driven Machine Learning Approach**

Rana El-Nashar, Computer Engineering Department, Faculty of Engineering, AASTMT

Gouda I. Salama, Computers and AI Department, Military Technical College

Ashraf Tammam, Computer Engineering Department, Faculty of Engineering, AASTMT

● **5:00 - 5:30**

**Coffee Break - Iceland Hall** ☕

● **5:30 - 6:00**

**Closing Session - Monaco Hall A**

# ICICIS 2025 Conference Sessions

**Wednesday, November 26, 2025 - Louvre 1**

## **CS 18 – Artificial Intelligence, Robotics, Multimedia and Data Visualization VI**

*Session Chairs:* Prof. Taha Elarif, Dr. Soha Nabil, Dr. Esraa Abdelraouf

● **3:30 - 5:00**

### ● **ICICIS2025-163**

#### **Perceiver IO for Weakly Supervised Multimodal Violence Detection in Surveillance Video**

Noorhan K.Fawzy, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Sally S.Ismail, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

Moatafa M.Aref, Computer Science Department, Faculty of Computer and Information Sciences, Ain Shams University

### ● **ICICIS2025-180**

#### **Strategic Information Systems for Data-Driven Business Intelligence**

Akshay Manoj Bhanushali, University of Washington Seattle, United States (USA).

### ● **ICICIS2025-181**

#### **Artificial Intelligence Applications in Battery Management Systems for Electric Vehicles**

Hany S. E. Mansour, Electrical Engineering Department, Suez Canal University

Leila A. M. Saad, Electrical Engineering Department, Suez Canal University

M. Abdel-Aziz, Faculty of Computer and Information, Sciences, Ain Shams University

Eyad S. Oda, Electrical Engineering Department, Suez Canal University

Salah A. Abdelmaksud, Electrical Engineering Department, Suez Canal University

### ● **ICICIS2025-190**

#### **Systematic Review of Swin Transformer Architectures for Medical Image Classification**

Mahmoud Adel Nour, Center for Informatics Science (CIS) School of Information Technology and Computer Science, Nile University

Ahmed F. Elnokrashy, Center for Informatics Science (CIS), School of Information Technology and Computer Science, Nile University-Department of Electrical Engineering, Benha university

Mai S. Mabrouk, Center for Informatics Science (CIS), School of Information Technology and Computer Science, Nile University

### ● **ICICIS2025-192**

#### **Medical Image Segmentation Using Transformer Encoders and Prompt-Based Learning: A Systematic Review of Adaptation Strategies, Performance, and Challenges**

Mina A. Awad, Center for Informatics Science (CIS) School of Information Technology and Computer Science, Nile University

Mai S. Mabrouk, Center for Informatics Science (CIS), School of Information Technology and Computer Science, Nile University

Ahmed F. Elnokrashy, Center for Informatics Science (CIS), School of Information Technology and Computer Science, Nile University-Department of Electrical Engineering, Benha university

Science, Nile University-Department of Electrical Engineering, Benha university

● **5:00 - 5:30**

**Coffee Break - Iceland Hall** ☕

● **5:30 - 6:00**

**Closing Session - Monaco Hall A**



