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The **11th** IEEE International Conference
on Intelligent Computing and Information Systems

ICICIS 20 23

21st - 22nd November 2023
Triumph Hotel, New Cairo

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Themes of the Conference

1- Artificial Intelligence, Multimedia and Data Visualization.

2- Robotics and Embedded Systems.

3- Computer Networks, Forensics and Cyber Security.

4- Internet of Things, Smart Environments and Pervasive Computing.

5- Data Science and Knowledge Discovery.

6- Bioinformatics, Health Informatics and Biomedical Systems.

7- Software Engineering.

8- Applied Artificial Intelligence.

Scheduled Program (General Map)

Tuesday, November 21, 2023

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			
12:15-1:30	Keynote Speech II (KS II) - Monaco Hall A Prof. Tomoyuki Naito			
1:30-2:30	Lunch – Pavilion Restaurant			
2:30-2:50	Deloitte Speech - Monaco Hall A			
2:50-3:10	PWC Speech - Monaco Hall A			
3:10-3:30	Huawei Speech - Monaco Hall A			
3:30-4:10	WS1- Hall A Deloitte Workshop Session	CS 1- Hall B Data Science and Knowledge Discovery I		CS 15- Hall C Applied Artificial Intelligence I
4:10-4:40	Coffee Break – Iceland Hall			
4:40-6:10	CS 2 – Monaco Hall A Artificial Intelligence, Multimedia and Data Visualization I	CS 3 – Monaco Hall B Internet of Things, Smart Environments and Pervasive Computing I	CS 4 - Picasso 3 Hall D Bioinformatics, Health Informatics and Biomedical Systems	CS 5– Monaco Hall C Applied Artificial Intelligence II

KS: Keynote Speech
CS: Conference Session
WS: Workshops Session

Conference Venue:
Triumph Hotel New Cairo
Block 19 in front of Qatamyia Heights 5th Settlement, New Cairo City, 11361 Cairo, Egypt

Conference Website: http://icicis.cis.asu.edu.eg

Wednesday, November 22, 2023			
8:30-9:30	**Registration**		
9:30-10:15	**Keynote Speech III (KS III) - Monaco Hall** **Prof. K. Selçuk Candan**		
10:15-11:30	**CS 6 – Monaco Hall C** **Artificial Intelligence, Multimedia and Data Visualization II**	**CS 7 - Monaco Hall B** **Internet of Things, Smart Environments and Pervasive Computing**	**CS 8 - Picasso3 Hall D** **Robotics and Embedded Systems**	**WS2- Monaco Hall A** **PWC Workshop Session**
1:30-12:00	**Coffee Break – Iceland Hall**		
12:00-1:30	**CS 9 - Monaco Hall C** **Artificial Intelligence, Multimedia and Data Visualization III**	**CS 10 -Monaco Hall B** **Applied Artificial Intelligence III**	**WS3- Monaco Hall A** **Dell Technologies Workshop Session**	
1:30-2:30	**Lunch – Pavilion Restaurant**		
2:30-4:00	**CS 11 - Monaco Hall A** **Artificial Intelligence, Multimedia and Data Visualization IV** **&** **Software Engineering**	**CS 12- Monaco Hall B** **Applied Artificial Intelligence IV**	**CS 13 – Picasso3 Hall D** **Computer Networks, Forensics and Cyber Security**	**CS 14 -Monaco Hall C** **Data Science and Knowledge Discovery II**
4:00-4:30	**Coffee Break – Iceland Hall**		
4:30-5:00	**Closing Session – Monaco Hall A**		

KS: Keynote Speech
CS: Conference Session
WS: Workshops Session

ICICIS 2023 Session's Chairs

Tuesday, November 21, 2023

Time	Session	Chairs
11:30-12:15	*KS I* *Monaco Hall A*	- Prof. Mohammed F. Tolba, FCIS, Ain Shams University. - Prof. Mohamed El-Said Abdo Ghoniemy. FCIS, Ain Shams University. - Prof. Hala Mousher, FCIS, Ain Shams University.
12:15-1:30	*KS II* *Monaco Hall A*	- Prof. Ahmed Hamad, President of Al-Reyada University - Prof. Khaled Negm, ICT Minister Assistant for Digital Governance. - Prof. Nagwa Badr, FCIS, Ain Shams University. - Prof. Rasha Ismail, FCIS, Ain Shams University.
2:30-3:30	*Industries Speech* *Monaco Hall A*	- Prof. Tamer Mostafa, FCIS, Ain Shams University. - Mona Abdelazim, FCIS, Ain Shams University.
3:30-4:10	*CS 1* *Monaco Hall B*	- Prof. Omar Karam, Dean of the Faculty of Informatics and Computer Science, British University in Egypt. - Prof. Safaa Amin, FCIS, Ain Shams University. - Dr Eman Amin, FCIS, Ain Shams University.
	CS 15 *Monaco Hall C*	- Prof. Mohamed E. Khalifa, FCIS, Ain Shams University. - Dr. Sally Saad, FCIS, Ain Shams University. - Dr. Salsabil El-Regaily, FCIS, Ain Shams University.
4:40-6:10	*CS 2* *Monaco Hall A*	- Prof. Iman Saroit, Head of the Computer & Information Sector Committee. - Prof. Zaki Taha, FCIS, Ain Shams University. - Dr. Maryam Nabil, FCIS, Ain Shams University.
	CS 3 *Monaco Hall B*	- Prof. Nabila Hassan, Faculty of Computer & Information Technology, Ahram Canadian University. - Prof. Eman Shabban, FCIS, Ain Shams University. - Dr. Islam Hegazy, FCIS, Ain Shams University. - Dr. Yasmine Afify, FCIS, Ain Shams University.
	CS 4 *Picasso3 Hall D*	- Prof. khalid Hosny, Chairman of the Computer & Information Sector Committee. - Prof. Walaa Gad, FCIS, Ain Shams University. - Dr. Mahmoud Monir , FCIS, Ain Shams University.
	CS 5 *Picasso3 Hall D*	- Prof. Taymour Nazmy, FCIS, Ain Shams University. - Dr. Nivin Atef, FCIS, Ain Shams University. - Dr. Doaa Ezzat, FCIS, Ain Shams University.

Wednesday, November 22, 2023

Time	Session	Chairs
9:30-10:15	*KS III* *Monaco Hall A*	- Prof. Abdel-Badeeh M. Salem , FCIS, Ain Shams University. - Prof. Mostafa Aref, FCIS, Ain Shams University. - Dr. Hanan Hindy, FCIS, Ain Shams University.
10:15-11:30	*CS 6* *Monaco Hall C*	- Prof. Ibrahim El-Henawy, Faculty of Computer & Information Sciences, Ain Shams University. - Prof. Mohamed Hashem, FCIS, Ain Shams University. - Dr. Dina Khatab, FCIS, Ain Shams University.
	CS 7 *Monaco Hall B*	- Prof. Reda Elkoribi, Dean of the Faculty of Computers & Artificial Intelligence, Cairo University. - Dr. Kareem Emara, Director of Egyptian Universities Network (EUN). - Dr. Dina Fawzy, FCIS, Ain Shams University.
	CS 8 *Picasso3 Hall D*	- Prof. Ali El-Naem, FCIS, Ain Shams University. - Dr. Manal Tantawi, FCIS, Ain Shams University. - Dr. Randa Abdelmonem, FCIS, Ain Shams University.
12:00-1:30	*CS 9* *Monaco Hall C*	- Prof. El-Sayed M. El-Horbaty, FCIS, Ain Shams University. - Prof. Abeer Mahmoud, FCIS, Ain Shams University. - Dr. Mohamed Mabrouk, FCIS, Ain Shams University.
	CS 10 *Monaco Hall B*	- Prof. Said Fadel, FCIS, Ain Shams University. - Dr. Ahmed Salah, FCIS, Ain Shams University. - Dr. Shimaa Haridy, FCIS, Ain Shams University.
2:30-4:00	*CS 11* *Monaco Hall A*	- Prof. Mohamed Roushdy, FCIS, Ain Shams University. - Prof. Hwoida Sheeded, FCIS, Ain Shams University. - Dr. Dina Elsiad, FCIS, Ain Shams University.
	CS 12 *Monaco Hall B*	- Prof. Mohamed Aouf, Biomedical Engineering, Higher Technological Institute. - Dr. Naglaa Fathy, FCIS, Ain Shams University. - Dr. Ahmed Ezzat, FCIS, Ain Shams University.
	CS 13 *Picasso3 Hall D*	- Dr. Heba Khaled, FCIS, Ain Shams University. - Dr. ALShimaa AboAllian, FCIS, Ain Shams University. - Dr. Mahmoud Fayez, FCIS, Ain Shams University.
	CS 14 *Monaco Hall C*	- Prof. Hassan Ramadan, FCIS, Ain Shams University. - Dr. Wedad Hussein, FCIS, Ain Shams University. - Dr. Huda Maghwary, FCIS, Ain Shams University.

Scheduled Program (Detailed Map)

Tuesday, November 21, 2023

8:30-9:30	**Registration**
9:30-11:00	**Opening Ceremony**
11:00-11:30	**Coffee Break – Iceland Hall**

Keynote Speech I- Monaco Hall A **Session Chairs**: Prof. Mohamed Fahmy Tolba, Prof. Mohamed El-Said Abdo Ghoniemy, Prof. Hala Mousher
11:30-12:15	*Speech* **1***:* **The Impact of Metaverse and AI on Higher Education, Health & Climate Change** **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. Khaled Negm, Prof. Nagwa Badr, Prof. Rasha Ismail**
12:15-1:30	*Speech* **2: The Impact of the Rise of Generative AI and the Role of Global South** **Prof. Tomoyuki Naito, Vice President, Kobe Institute of Computing, Japan**
1:30-2:30	**Lunch – Pavilion Restaurant**

	Industries Speech - Monaco Hall A **Session Chairs: Prof. Tamer Mostafa, Dr. Mona Abdelazim**		
2:30-2:50	**Deloitte Speech - Monaco Hall A** **"General Introduction to the Deloitte Innovation Hub"** **Aman Dhindsa, DIH Operations Director**		
2:50-3:10	**PWC Speech - Monaco Hall A** **"Cybersecurity in AI"** **Hassan Mourad, Director, Cybersecurity Tower Lead at PwC ETIC**		
3:10-3:30	**Huawei Speech - Monaco Hall A**		
3:30-4:10	**WS1- Monaco Hall A** **Deloitte Workshop Session** **"Generative AI"** **Beslan Atabaev, Senior Manager AI& Data**	**CS 1- Monaco Hall B** **Data Science and Knowledge Discovery I**	**CS 15- Monaco Hall C** **Applied Artificial Intelligence I**
4:10-4:40	**Coffee Break – Iceland Hall**		
4:40-6:10	**CS 2 – Monaco Hall A** **Artificial Intelligence, Multimedia and Data Visualization I**	**CS 3 – Monaco Hall B** **Internet of Things, Smart Environments and Pervasive Computing I**	**CS 4 - Picasso3 Hall D** **Bioinformatics, Health Informatics and Biomedical Systems** **CS 5– Monaco Hall C** **Applied Artificial Intelligence II**

ICICIS 2023 Conference Sessions

Tuesday, November 21, 2023 - Monaco Hall A

3:30-4:10	**WS1: Deloitte Workshop Session** **"Generative AI"** **Beslan Atabaev, Senior Manager AI& Data**
4:10-4:40	**Coffee Break – Iceland Hall**

Tuesday, November 21, 2023 - Monaco Hall B

	CS 1- Data Science and Knowledge Discovery I Session Chairs: Prof. Omar Karam, Prof. Safaa Amin, Dr Eman Amin	
3:30-4:10	ICICIS2023-8	**Predicting Unsettled Debts in Imbalanced Data using Resampling Methods** Abdelmoniem I Helmy (Faculty of Graduate Studies for statistical Research, Cairo University); shaimaa Mohamed Elnaghy (Faculty of Graduate Studies for statistical Research, Cairo University); Nagy Ramadan (Faculty of Graduate Studies for statistical Research, Cairo University)
	ICICIS2023-9	**Predicting Students Academic Performance Using Machine Learning Techniques** Amal Sh Khamis (Cairo University); Abdelmoniem I Helmy (Cairo University); Ahmed Gadallah (Cairo University)
	ICICIS2023-33	**E-Bike Energy Needs Estimation based on Route Characteristics and Rider Behavior** Karim Mostafa Ouf (German University in Cairo); Hassan Soubra (ECE); Ahmed A Mazhr (German University in Cairo)
	ICICIS2023-55	**An Intelligent Decision Support System for Forecasting Financially Distressed Businesses** Ahmed Amer Abdul kareem (Faculty of Computer and Information Sciences, Ain Shams University); Zaki Taha Fayed (Faculty of Computer and Information Sciences, Ain Shams University); Sherine Rady (Faculty of Computer and Information Science- Ain shams university); Salsabil A. El-Regaily (Faculty of Computer and Information Sciences, Ain Shams University); Bashar M. Nema (Faculty of Sciences, Mustansiriyah University, Iraq)
4:10-4:40	**Coffee Break – Iceland Hall**	

Tuesday, November 21, 2023 - Monaco Hall C

CS 15 – Applied Artificial Intelligence I **Session Chairs: Prof. Essam Khalifa, Dr. Sally Saad, Dr. Salsabil El-Regaily**		
3:30-4:10	ICICIS2023-89	**Grab and Go: Leveraging Computer Vision for Intelligent Shopping** George Awad (FCIS, Ain Shams University); Sandra Yacoub (FCIS, Ain Shams University); Jan Bernaba (FCIS, Ain Shams University); Joseph Fawzy (FCIS, Ain Shams University); Mahmoud AbdelGalil (FCIS, Ain Shams University); Omar Mohamed (FCIS, Ain Shams University); Nada Khaled FCIS, Ain Shams University); Hanan Hindy (FCIS, Ain Shams University)
	ICICIS2023-91	**Improved Ingredients-based Recipe Recommendation Software using Machine Learning** Mariam Ashraf (FCIS, Ain Shams University); Mariam Mahmoud (FCIS, Ain Shams University); Khadija Khaled (FCIS, Ain Shams University); Khadija Tarek (FCIS, Ain Shams University); Rana Emad (FCIS, Ain Shams University); Noran Amr (FCIS, Ain Shams University); Naglaa Fathy (FCIS, Ain Shams University)
	ICICIS2023-95	**Chartlytics: Chart Image Classification and Data Extraction** Yasmin Fadel Hassan (FCIS, Ain Shams University); Lama Mohamed El-Malatawy (FCIS, Ain Shams University); Norhan Khaled Mohamed (FCIS, Ain Shams University); Rowym Mohamed Ammar (FCIS, Ain Shams University); Rana Rabie Al-Awady (FCIS, Ain Shams University); Farah Ehab Abdel (FCIS, Ain Shams University); Mirna AL-Shetairy (FCIS, Ain Shams University); Salsabil A. El-Regaily (FCIS, Ain Shams University)
	ICICIS2023-125	**End-to-End Quiz-Style Question Generation for Educational Purposes** Sally Saad (FCIS, Ain Shams University); Asmaa Bahai Kassem (FCIS, Ain Shams University); Mohammed Ashraf (FCIS, Ain Shams University) ; Mostafa Ashraf (FCIS, Ain Shams University); Mostafa Ayman (FCIS, Ain Shams University); Mostafa Labib (FCIS, Ain Shams University); Mostafa Hesham (FCIS, Ain Shams University); Aisha Soliman (FCIS, Ain Shams University)
4:10-4:40	**Coffee Break – Iceland Hall**	

	CS 2 - Artificial Intelligence, Multimedia and Data Visualization I Session Chairs: Prof. Iman Saroit, Prof. Zaki Taha, Dr. Maryam Nabil	
4:40-6:10	ICICIS2023-3	**Machine Learning Approach for Negation Handling in Sentiment Analysis** Abdelmoniem I Helmy (Cairo University); Aliaa A Atef (Cairo University); Nesrine Ali (Cairo University); Nagy Ramadan (Cairo University)
	ICICIS2023-4	**Traditional and Deep Learning Techniques in Image Steganography: Recent Advances** Hesham Fathy AbdelRazik (Faculty of Computer and Information Sciences - Ain Shams University); Ahmed S ELSayed (Faculty of Computer & Information Sciences, Ain Shams University); Sally Saad Faculty of Computer & Information Sciences, Ain Shams University); Abeer Mahmoud (Faculty of Computer & Information Sciences, Ain Shams University)
	ICICIS2023-7	**Auto-encoders for Detection and Counting of Live/Dead Cells** Omar K. Melouk (German University in Cairo); Ramez M Elmasry (German University in Cairo); Mohammed Abdel-Megeed Salem (German University in Cairo); Anke Klingner (German University in Cairo)
	ICICIS2023-11	**BERT-Based Model for Reading Comprehension Question Answering** Abdelrahman A. Mosaed (Faculty of Computer and Information Sciences, Ain Shams University); Hanan Hindy (Faculty of Computer and Information Sciences, Ain Shams University); Mostafa Aref (Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt)
	ICICIS2023-20	**Predictive Maintenance by Machine Learning Methods** Sara Amer (Faculty of Engineering, Ain Shams University); Hoda Korashy (Faculty of Engineering, Ain Shams University); Marvy Badr Monir Mansour (British University in Egypt)
	ICICIS2023-22	**Text-to-Image synthesis using Generative Adversarial Networks** Mostafa Samy Ibrahem (Faculty of Computers and Information Sciences, Ain Shams University); Maryam Al Berry (Faculty of Computers and Information Sciences, Ain Shams University); Sayed Bahgat (Faculty of Computer & Information Sciences, Ain Shams University); Mohamed F. Tolba (Faculty of Computer & Information Sciences, Ain Shams University

Tuesday, November 21, 2023 - Monaco Hall B

<table>
<tr><td colspan="3">CS 3 - Internet of Things, Smart Environments and Pervasive Computing I
Session Chairs: Prof. Nabila Hassan, Prof. Eman Shabban, Dr. Islam Hegazy, Dr. Yasmine Afify</td></tr>
<tr><td rowspan="6">4:40-6:10</td><td>ICICIS2023-2</td><td>A Three-layer Convolution Neural Network Approach for Intrusion Detection in IoT
Geo Francis Edakulathur (KAHE, Coimbatore, India); Sheeja S (KAHE, Coimbatore, India); Jismy Joseph (Carmel College, Mala,, India)</td></tr>
<tr><td>ICICIS2023-16</td><td>A Smart and Eco-friendly Personal Heating and Cooling system
Reem Khaled Abbas (German University in Cairo); Hassan Soubra (Ecole Centrale d'e´lectronique. Lyon, France, ECE)</td></tr>
<tr><td>ICICIS2023-19</td><td>RT DL Tasks Distribution for Sensitive Data Protection and Resource Optimization
Farah Zeidan (German University in Cairo); Mostafa ElHayani (Technische Universität München); Hassan Soubra (Ecole Centrale d'e´lectronique. Lyon, France, ECE)</td></tr>
<tr><td>ICICIS2023-44</td><td>ML-Based Intrusion Detection Systems in IoT Networks: A Survey
Dina Abdelhameed (EELU)</td></tr>
<tr><td>ICICIS2023-59</td><td>ML Driven Priority-Based Constrained Routing for Pollution Management in ITS
Aly Hegazy (German University in Cairo); Hassan Soubra (ECE); Youssef Aboulyousr (German University in Cairo)</td></tr>
<tr><td>ICICIS2023-60</td><td>Quantifying Real-time Pollution Impact of Vehicle Rerouting on Initial Pollution Levels
Laila Hammouda (German University in Cairo); Youssef Aboulyousr (German University in Cairo); Hassan Soubra (Ecole Centrale d'e´lectronique. Lyon, France, ECE)</td></tr>
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Tuesday, November 21, 2023 - Picasso3 Hall D

<table>
<tr><td colspan="3">CS 4- Bioinformatics, Health Informatics and Biomedical Systems
Session Chairs: Prof. khalid Hosny, Prof. Walaa Gad, Dr. Mahmoud Monir</td></tr>
<tr><td rowspan="2">4:40-6:10</td><td>ICICIS2023-61</td><td>Mobile Application for Heart Diseases Diagnosis based on the PPG Signals and Deep Learning
Mahmoud Mohamed Bassiouni (Egyptian E-Learning University)</td></tr>
<tr><td>ICICIS2023-101</td><td>AI-Based Detection of Myocardial Infarction through Electrocardiogram Signals: A Review
Yasmine Shabaan Mohamed (Faculty of Computer and Information Sciences, Ain Shams University); Naglaa Fathy (Faculty of Computers and Information Sciences, Ain Shams University); Tamer Abdelkader</td></tr>
</table>

		(Faculty of Computer and Information Sciences, Ain Shams University); Rasha Ismail (Faculty of Computer and Information Sciences, Ain Shams University)
4:40-6:10	ICICIS2023-106	**A novel deep-learning approach for detecting neurons of the primary visual cortex and orientation selectivity** Abdalrahman Roshdi (Faculty of Computers and Artificial Intelligence, Cairo University); Abdelrahman Hassan (Faculty of Computers and Artificial Intelligence, Cairo University); Ebrahim Mohamed (Faculty of Computers and Artificial Intelligence, Cairo University); Mahmoud Ramadan (Faculty of Computers and Artificial Intelligence, Cairo University); Ziyad Saied (Cairo University); Ahmed Al-Sadek (October University for Modern Sciences and Arts); Hanaa Bayomi (Faculty of Computers and Artificial Intelligence, Cairo University)
	ICICIS2023-119	**A Combined ELM and CNN Model Architecture for Accurate Viral Family DNA Classification** Ahmed El-Tohamy (Faculty of Computer & Information Sciences, Ain Shams University); Huda Amin Maghawry (Faculty of Computer & Information Sciences, Ain Shams University; Nagwa Badr (Faculty of Computer & Information Sciences, Ain Shams University)
	ICICIS2023-176	**Deep Learning Models for Skin Cancer Detection: A review** Mayar Ashraf (Faculty of Computer And Information Science, Ain Shams University); Nagwa Badr (Faculty of Computer & Information Sciences, Ain Shams University); Yasmine M Afify (Faculty of Computer & Information Sciences, Ain Shams University); Nivin Atef (Faculty of Computer & Information Sciences, Ain Shams University)
	ICICIS2023-184	**Performance Evaluation of Ensemble Deep Learning Algorithms for Prediction of Pandemic Disease** Saeed Sharif (University of East London, London); Abin Zorto (University of East London, London); Ibukun David Aluko (University of East London, London)

Tuesday, November 21, 2023 - Monaco Hall C

	CS 5 – Applied Artificial Intelligence II Session Chairs: Prof. Taymour Nazmy, Dr. Nivin Atef, Dr. Doaa Ezzat	
4:40-6:10	ICICIS2I023-85	**Multi-Class Eye Disease Classification Using Deep Learning** Mariam Ayman (FCIS, Ain Shams University); Rawan Elsayed (FCIS, Ain Shams University); Reem Walid (FCIS, Ain Shams University); Mustafa Adel(FCIS, Ain Shams University); Taha Mohamed (FCIS, Ain Shams University); Mariam Hamza(FCIS, Ain Shams University); Eman M Hamdi(FCIS, Ain Shams University); Yasmine M Afify (FCIS, Ain Shams University)

4:40-6:10	ICICIS2023-146	**CalorieMe: An Improved Image-based Calorie Estimator Model** Bavlly Magid (FCIS, Ain Shams University); Mazen Mohamed (FCIS, Ain Shams University); Mazen Khaled (FCIS, Ain Shams University); Mohamed Ahmed (FCIS, Ain Shams University); Muhammad Sabry (FCIS, Ain Shams University); Waleed Mohamed Mohamed (FCIS, Ain Shams University); Yomna A. Kawashti (FCIS, Ain Shams University); Hanan Hindy (FCIS, Ain Shams University)
	ICICIS2023-108	**AI-Safe Transportation: Real-Time Incident Detection and Alerting System in Smart Cities** Walaa Gad (FCIS, Ain Shams University); Ziad Alagroudy (FCIS, Ain Shams University); Abdelrahman Mohamed (FCIS, Ain Shams University; Ziad Harfosh (FCIS, Ain Shams University; Ziad Hassan (FCIS, Ain Shams University); Salma Al-Sayed (FCIS, Ain Shams University); Radwa Reda Hossieny (FCIS, Ain shams University)
	ICICIS2023-156	**Security And Fire Detection System Using Deep Learning Techniques** Ahmed Nouh (FCIS, Ain Shams University); Ahmed Tarek (FCIS, Ain Shams University); Ahmed Khaled (FCIS, Ain Shams University); Khaled Ahmed (FCIS, Ain Shams University); Nada Magdy (FCIS, Ain Shams University); Radwa Reda Hossieny (FCIS, Ain shams University); Hala M. Ebied (FCIS, Ain Shams University)
	ICICIS2023-172	**Automating the Parking Process: A Study on Motion Planning Techniques for Autonomous Vehicles** Salma Mohamed El Shennawy (Ain Shams University); Samuel Nagui (Faculty of Computer & Information Sciences, Ain Shams University); Omar Mohamed (aculty of Computer & Information Sciences, Ain Shams University); Sara Montasser (Faculty of Computer & Information Sciences, Ain Shams University); Mohamed Magdy (Faculty of Computer & Information Sciences, Ain Shams University); Ramy Elganzory (DSF Operations Head - Valeo Egypt); Tamer Abdelkader (Faculty of Computer & Information Sciences, Ain Shams University); Mohamed Radwan (Software Architect Driving Systems and Functions (DSF-CDV) - Comfort Driving Assistance (CDA) - Valeo Egypt)
	ICICIS2023-175	**Deepfake Detection Using Efficient Net and XceptionNet** Omr Amgad (FCIS, Ain Shams University); Basma Yasser (FCIS, Ain Shams University); Nourhan Ahmed (FCIS, Ain Shams University); Mohamed Salah (FCIS, Ain Shams University); Jumana Hani (FCIS, Ain Shams University); Habiba Amr (FCIS, Ain Shams University); Salma El-Gayar (FCIS, Ain Shams University; Hala M. Ebied (FCIS, Ain Shams University)

ICICIS 2023 Conference Sessions

Wednesday, November 22, 2023

8:30-9:30	Registration			
Keynote Speech III - Monaco Hall A				
Session Chairs: Prof. Abdel-Badeeh M. Salem, Prof. Mostafa Aref, Dr. Hanan Hindy				
9:30-10:15	*Speech* 3*:* Smart Data Services for Sensemaking in Human-Centered Dynamic Systems Professor of Computer Science and Engineering, Arizona State University (ASU). Director of ASU's Assured and Scalable Data Engineering.			
10:15-11:30	**CS 6 – Monaco Hall C Artificial Intelligence, Multimedia and Data Visualization II**	**CS 7 - Monaco Hall B Internet of Things, Smart Environments and Pervasive Computing**	**CS 8 - Picasso3 Hall D Robotics and Embedded Systems**	**WS2- Monaco Hall A PWC Workshop Session Loay Amin - Applied AI Manager at PwC ETIC Maha Badr - Applied AI Senior Associate at PwC ETIC**
11:30-12:00	**Coffee Break – Iceland Hall**			
12:00-1:30	**CS 9 - Monaco Hall C Artificial Intelligence, Multimedia and Data Visualization III**	**CS 10 -Monaco Hall B Applied Artificial Intelligence III**	**WS3- Monaco Hall A Dell Technologies Workshop Session**	
1:30-2:30	**Lunch – Pavilion Restaurant**			
2:30-4:00	**CS 11 - Monaco Hall A Artificial Intelligence, Multimedia and Data Visualization IV & Software Engineering**	**CS 12 -Monaco Hall B Applied Artificial Intelligence IV**	**CS 13 – Picasso3 Hall D Computer Networks, Forensics and Cyber Security**	**CS 14 -Monaco Hall C Data Science and Knowledge Discovery II**
4:00-4:30	**Closing Session – Hall A**			

KS: Keynote Speech
CS: Conference Session   WS: Workshops Session

CS 6 - Artificial Intelligence, Multimedia and Data Visualization Ⅱ **Session Chairs: Prof. Ibrahim El-Henawy, Prof. Mohamed Hashem, Dr. Dina Khatab**		
10:15-11:30	ICICIS2023-31	**Outlier Exposure-Based Anomalous Sound Detection Using Deep Learning** Doha A Abdelhady (The German University in Cairo); Youssef Abdelrahman (German University in Cairo); Hisham Othman (German University in Cairo)
	ICICIS2023-32	**Time Stretching and Pitch Shifting for Anomalous Sound Detection in Fan Sound Signal using MobileNetV2** Noussa M Hanafy (German University in Cairo); Hisham Othman (German University in Cairo)
	ICICIS2023-49	**Hybrid Deep Learning-Based Approach For Enhanced Multi-Label Emotion Classification** Ebtesam H Mohamed (Faculty of Computers and Artificial Intelligence, Cairo University); Osama Ismael; (Faculty of Computers and Artificial Intelligence, Cairo University); Hatem El Kadi; (Faculty of Computers and Artificial Intelligence, Cairo University)
	ICICIS2023-57	**On Development of Computer Aided System for Detecting Brain Neurological Disorders** Nada Sherif El Askary (Faculty of Computer and Information Sciences, Ain Shams University); Mohamed Mabrouk (Faculty of Computer and Information Sciences, Ain Shams University); Abeer Mahmoud (Faculty of Computer and Information Sciences, Ain Shams University); Taha EL-Arif (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-62	**Federated Learning for Resource Management in Edge Computing** Yahya Essam (German University in Cairo); Youssef Abdelrahman (German University in Cairo); Mohamed Abd El Ghany (German University in Cairo); Mohammed Abdel-Megeed Salem (German University in Cairo)
11:30-12:00	**Coffee Break -Iceland Hall**	

Wednesday, November 22, 2023 – Monaco Hall B

		CS 7: Internet of Things, Smart Environments and Pervasive Computing II
		Session Chairs: Prof. Reda Elkoribi, Dr. Kareem Emara, Dr. Dina Fawzy
10:15-11:30	ICICIS2023-74	**A Review on Cyber-Physical-Social Systems** Ahmed Abed (Faculty of Computer and Information Sciences, Ain Shams University); Tamer Abdelkader (Faculty of Computer and Information Sciences, Ain Shams University); Mohammed Hashem (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-98	**Evaluation of Centralized, Distributed and Federated Learning for IoT Intrusion Detection Systems** Omar S Elnakib (Faculty of Computers and Information Sciences, Ain Shams University); Eman shaaban ((Faculty of Computers and Information Sciences, Ain Shams University); Mohamed Mahmoud (Electrical and Computer Engineering, Tennessee Technological University, United States US); Karim Emara (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-155	**Using NLP for Functional Size Measurement of IoT Devices** Salma Hossam Salem (German University in Cairo); Hassan Soubra (Ecole Centrale d'e´lectronique. Lyon, France, ECE)
	ICICIS2023-160	**Advances in Machine Learning-driven Quality Control within ERP Systems: A Comprehensive Survey** Shaymaa Ahmed Qaddoori Aldoori (Faculty of Computer and Information Sciences, Ain Shams University); Mohamed Mabrouk (Faculty of Computer and Information Sciences, Ain Shams University); Abeer M.Mahmoud (Faculty of Computer and Information Sciences, Ain Shams University)
11:30-12:00	**Coffee Break – Iceland Hall**	

Wednesday, November 22, 2023 – Picasso3 Hall D

		CS 8 - Robotics and Embedded Systems
		Session Chairs: Prof. Ali El-Naem, Dr. Manal Tantawi, Dr. Randa Abdelmonem
10:15-11:30	ICICIS2023-34	**Human-Swarm Interaction Methods' Effect on Human Psychophysiology** Ingy A Fam (GUC); Hassan Soubra (ECE); Noura Mohammed (GUC)
	ICICIS2023-69	**Quantum Gate Count Analysis** Omar Samy Ghoniem (German University in Cairo); Hatem Elsayed (Digital Built Environment group OTH Regensburg Regensburg, Germany); Hassan Soubra (ECE-Ecole Centrale d'Electronique Lyon, France)

	ICICIS2023-141	**Ballbot Simulation System: Modelling, Verification, ad Gym Environment Development** Abdelrahman Nashat (Assiut University); Abdelrahman Morsi (Assiut University); Mustafa Abdelrahman (School of Engineering University of Hull, United Kingdom); Mohamed M. M. Hassan (Assiut University)
	ICICIS2023-161	**Improving Visual Path Odometry for Smart Autonomous E-Bikes** Basil W Mohamed (German University in Cairo); Hassan Soubra (ECE); Ahmed A Mazhr (German University in Cairo)
	ICICIS2023-185	**SHAMS 2.0: Sustainable Humanoid Assisting Modular System for Medical Field** Ahmed Darweesh (Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt); Fatma Elwasify (Faculty of computer and Information Sciences ,Ain Shams University); Moataz Mohammed (Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt); Eman Mahmoud(Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt); Yahia Zakaria (Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt); Mona Abdelazim (Faculty of Computer & Information Sciences, Ain shams University); Nagwa Badr (Faculty of Computer & Information Sciences, Ain Shams University)
11:30-12:00		**Coffee Break – Iceland Hall**

Wednesday, November 22, 2023 – Monaco Hall A

10:15-11:30	**WS2: PWC Workshop Session** **Building Your First Cloud Based AI Application** **Loay Amin - Applied AI Manager at PwC ETIC** **Maha Badr - Applied AI Senior Associate at PwC ETIC**
11:30-12:00	**Coffee Break – Iceland Hall**

Wednesday, November 22, 2023 – Monaco Hall C

CS 9 - Artificial Intelligence, Multimedia and Data Visualization III **Session Chairs: Prof. El-Sayed M. El-Horbaty, Prof. Abeer Mahmoud,** **Dr. Mohamed Mabrouk**		
12:00-1:30	ICICIS2023-103	**Effectiveness of Feature Selection in Text Summarization** AlShimaa M Ibrahim (Faculty of Computer & Information Sciences, Ain Shams University); Marco Alfonse (Faculty of Computer & Information Sciences, Ain Shams University); Mostafa Araf (Faculty of Computer & Information Sciences, Ain Shams University)
	ICICIS2023-122	**Transformer-Based Word Sense Disambiguation: Advancements, Impact, and Future Directions** Ghada M. Farouk (Faculty of Computer and Information Sciences; Ain Shams University); Sally Saad (Faculty of Computer and Information Sciences; Ain Shams University); Mostafa Aref (Faculty of Computer and Information Sciences, Ain Shams University)

12:00-1:30	ICICIS2023-123	**Detection and Discrimination of Arabic Phonemes Using Long Short-Term Memory (LSTM) Model** Rahma M. Tolba (Faculty of Computer and Information Sciences, Ain Shams University); Hamzah A. Alsayadi (Ibb University, Yemen); Taha Elarif (Faculty of Computer and Information Sciences, Ain Shams University); Zaki Taha (Faculty of Computer and Information Sciences, Ain Shams University); NourEldin Osama Saad (School of Computer Science, Canadian International Collage)
	ICICIS20231-129	**Advancing Egyptian Arabic Speech Emotion Recognition: Insights from 2D Representations and Model Evaluations** Rola R Soliman (German University in Cairo); Sarah K Safwat (German University in Cairo); Mohammed Abdel-Megeed Salem (German University in Cairo)
	ICICIS2023-136	**Data Augmentation Impact on Deep learning Performance for Stress Detection** Eman M Hamdi (Faculty of Computer and Information Science-Ain shams university); Sherine Rady (Faculty of Computer and Information Sciences, Ain Shams University); Mohamed Mabrouk (Faculty of Computer and Information Sciences, Ain Shams University); Mostafa Aref (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-150	**A Proposed Model for Loan Approval Prediction Using Explainable Artificial Intelligence** Omar Mohib Ayad (Arab Academy for Science Technology and Maritime Transport); Abd-El.Fattah Hegazy (Arab Academy for Science Technology and Maritime Transport); Ahmed Dahroug (Arab Academy for Science Technology and Maritime Transport)
1:30-2:30	**Lunch – Pavilion Restaurant**	

Wednesday, November 22, 2023 – Monaco Hall B

CS 10- Applied Artificial Intelligence III		
Session Chairs: Prof. Said Fadel, Dr. Ahmed Salah, Dr. Shimaa Haridy		
12:00-1:30	ICICIS2023-26	**Identifying Fake Products Using Blockchain Technology in Supply Chain System** Michael Medhat; Mario Mamdouh; Michael Farid; Philip Wagih; Kermina Ashraf; Alshaimaa Abo-alian (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-72	**Backslash map: An Automated Vulnerability Scanner** Marina Nasser; Bishoy Sobhy; Lidya Hany; Alshaimaa Abo-alian (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-82	**Towards a User-Friendly Web Application Firewall** Fatima S Omar (FCIS, Ain Shams University); Mohamed Ahmed (FCIS, Ain Shams University) ; Mahmoud Abdel-Hamid (FCIS, Ain Shams University); Dalia Ahmed (FCIS, Ain Shams University); Yehia Badawi (FCIS, Ain Shams University); Nada Farhan; Omar S Elnakib(FCIS, Ain Shams University); Hanan Hindy ((FCIS, Ain Shams University)

12:00-1:30	ICICIS2023-115	**Steganography Platform** Adham Ali (FCIS, Ain Shams University); Ahmed Tawfik (FCIS, Ain Shams University); Badr Mohamed Ashraf (FCIS, Ain Shams University); Eslam Esam (FCIS, Ain Shams University); Omar AbdulRahman (FCIS, Ain Shams University); Shehab Ihab (FCIS, Ain Shams University); (FCIS, Ain Shams University); Razan Bayoumi (FCIS, Ain Shams University); Sally Saad (FCIS, Ain Shams University)
	ICICIS2023-148	**Early Detection of Retinitis Pigmentosa** Adham ElGazoly (FCIS, Ain Shams University); Ali Hassan (FCIS, Ain Shams University); Hasnaa Mohmed (FCIS, Ain Shams University); Karma Yasser (FCIS, Ain Shams University); Omar Hamed (Faculty of Computers and Information Sciences- Ain Shams University); Yousra Al Amir (Faculty of Computers and Information Sciences- Ain Shams University); Ahmed El-Tohamy (FCIS, Ain Shams University); Maryam Al Berry (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-151	**Smile.AI: A deep learning based Digital Smile Design** Gannatollah Khaled (FCIS, Ain Shams University); Riham Gamal (FCIS, Ain Shams University); Sara Nabil (FCIS, Ain Shams University); Khloud Abdelbadei (FCIS, Ain Shams University); Taghreed Mohamed (FCIS, Ain Shams University); Amr Said (FCIS, Ain Shams University); Mohammad Essam Mohammad (FCIS,Ain Shams University); Maryam Al Berry (FCIS, Ain Shams University)
1:30-2:30	**Lunch – Pavilion Restaurant**	

Wednesday, November 22, 2023 – Monaco Hall A

12:00-12:40	**WS3: Dell Technology Workshop Session**
1:30-2:30	**Lunch – Pavilion Restaurant**

Wednesday, November 22, 2023 – Monaco Hall A

CS 11 - Artificial Intelligence, Multimedia and Data Visualization IV **Software Engineering** **Session Chairs: Prof. Mohamed Roushdy, Prof. Hwoida Sheeded, Dr. Dina Elsiad**		
	ICICIS2023-66	**Hyperparameter optimized CNN and CNN-LSTM for Predicting the Remaining Useful Life of Lithium-Ion Batteries** Alireza Rastegarpanah (University of Birmingham, UK); Cesar A Contreras (University of Birmingham, UK); Rustam Stolkin (University of Birmingham, UK)
	ICICIS2023-67	**Harnessing CNN-DNC and CNN-LSTM-DNC Architectures for Enhanced Lithium-Ion Remaining Useful Life Prediction** Alireza Rastegarpanah (University of Birmingham, UK); Cesar A Contreras (University of Birmingham, UK); Rustam Stolkin (University of Birmingham, UK)

2:30-4:00 **2:30-4:00**	ICICIS2023-73	**A Transfer Learning Approach for Face Liveness Detection** Mahmoud Mohamed Omara (Faculty of Computer and Information Science, Ain Shams University); Mahmoud F. Khalil (Faculty of Computer and Information Sciences, Ain Shams University); Heba Khaled (Faculty of Computer and Information Sciences, Ain Shams University); Said Ghoniemy (Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-159	**A Survey on Content-aware Image Retargeting Techniques for Visually Impaired Assistance** Dina Sherif El-Torky (Faculty of Computer and Information Sciences, Ain Shams University); Maryam Al Berry (Faculty of Computer and Information Sciences, Ain Shams University); Salsabil A. El-Regaily (Faculty of Computer and Information Sciences, Ain Shams University); Zaki Taha Faculty of Computer and Information Sciences, Ain Shams University)
	ICICIS2023-121	**Utilizing Transfer Learning in the Udacity Simulator to Train a Self-Driving Car for Steering Angle Prediction** Mohamed Alsherif (Helwan University); Hassan A Metered (Helwan University Faculty of Engineering); Mohamed Daowd (Helwan University); Abdel Halim Bassiuny (Heliopolis University)
	ICICIS2023-25	**Design Pattern Recommendation Using Doc2vec** Nada Shorim (Misr International University); Mohammad El-Ramly (Faculty of Computers & Artificial Intelligence; Cairo University); Hanaa Mobarz (Faculty of Computers & Artificial Intelligence; Cairo University)
	ICICIS2023-29	**Investigating the Relation between Code Comments and Issue Resolution Time in Java Repositories** Ahmed Ashraf Hamza (Faculty of Computers & Artificial Intelligence, Cairo University); Mohammad El-Ramly (Faculty of Computers & Artificial Intelligence, Cairo University); Manar ElKady (Faculty of Computers & Artificial Intelligence, Cairo University)
4:00-4:30		**Closing Session**

Wednesday, November 22, 2023 – Monaco Hall B

CS 12- Applied Artificial Intelligence IV **Session Chairs: Prof. Mohamed Aouf, Dr. Naglaa Fathy, Dr. Ahmed Ezzat**		
	ICICIS2023-23	**Recognizing Hand Movements Using EEG-Signal Classification** Mohamed Mahmoud Abdelhamid (FCIS, Ain Shams University); Mohamed Tharwat Al-Metwally (FCIS, Ain Shams University); Eslam Saeed Fouly (FCIS, Ain Shams University); Amr Wael Abdelmawgod(FCIS, Ain Shams University); Abdelrahman Mohamed Hossien(FCIS, Ain Shams University); Aya Nasser(FCIS, Ain Shams University); Howida Shedeed ((FCIS, Ain Shams University)
	ICICIS2023-90	**Deep Fake Detection System using Deep Learning**

2:30-4:00		Omar Ahmed (FCIS, Ain Shams University); Abdullah Metwally (FCIS, Ain Shams University); Amer Abdulelmagid (FCIS, Ain Shams University); Sameh Fekry (FCIS, Ain Shams University); Abdelrahman Abdelwahid; Radwa Reda Hossieny; Dina Khattab (FCIS, Ain Shams University)
	ICICIS2023-109	**Dental Disease Detection based on CNN for Panoramic Dental Radiographs** Manar El Bagoury (FCIS, Ain Shams University); Omar Ahmed (FCIS, Ain Shams University); Tassneem Hamdy (FCIS, Ain Shams University); Hebatullah Amr (FCIS, Ain Shams University); Marwan Akram (FCIS, Ain Shams University); Mirna Al-Shetairy (FCIS, Ain Shams University); Samah Samah S Mehanny (Faculty of Dentistry Cairo, Cairo University); Gihan Omar (Faculty of Dentistry Cairo, Cairo University); Rana Mohamed (Faculty of Oral and dental medicine, Future University); Walaa Gad (FCIS, Ain Shams University)
	ICICIS2023-116	**Speech Emotion Recognition: Enhancing Human-Computer Interaction** Samar Aly (FCIS, Ain Shams University); Marwan Salah (FCIS; Ain Shams University); Alaa Adel (FCIS, Ain Shams University); AbdelAziz Gamal (FCIS, Ain Shams University); AbdelRahman Alaa (FCIS, Ain Shams University); AbdelRahman Amr (FCIS, Ain Shams University); Sally Saad (FCIS, Ain Shams University)
	ICICIS2023-166	**Analysis of Deep Learning Models for Voice Pathology Detection** Adham Ahmed (FCIS, Ain Shams University); Abdullah Osamaa (FCIS, Ain Shams University); Ahmed Khaled (FCIS, Ain Shams University); Manal Gerges Zaky (FCIS, Ain Shams University); Ahmed Osama Maher (FCIS, Ain Shams University); Sara Mohammed Saad (FCIS, Ain Shams University); Mohammad Essam Mohammad (FCIS, Ain Shams University); Rezk Mohammed (FCIS, Ain Shams University); Hala M. Ebied (FCIS, , Ain Shams University)
	ICICIS2023-173	**Analysis of Bones Abnormality Detection and Segmentation** Mennatallah Ismail (FCIS, Ain Shams University); Maram Hatem (FCIS, Ain Shams University); Yasmine Mohamed Algzar FCIS, Ain shams university); Mayar Mohsen (FCIS, Ain Shams University); Sara Ibrahim (FCIS, Ain Shams University); Maram Hatem Mahmoud Eldabaa (FCIS, Ain Shams University); Nadine Gamal (FCIS, Ain Shams University); Esraa Hamdi Abbas (FCIS, Ain Shams University); Hala M. Ebied (FCIS, Ain Shams University)
4:00-4:30	**Coffee Break – Iceland Hall**	
4:30-5:00	**Closing Session – Monaco Hall A**	

Wednesday, November 22, 2023 – Picasso3 Hall D

CS 13 - Computer Networks, Forensics and Cyber Security		
Session Chairs: Dr. Heba Khaled, Dr. ALShimaa AboAllian, Dr. Mahmoud Fayez		
2:30-4:00	ICICIS2023-10	**Android Cloud Antivirus Based on Static Analysis** Sara Shehata (Faculty of Computer & Information Sciences, Ain Shams university); Sara Shehata (Faculty of Computer & Information Sciences, Ain Shams university); Islam Hegazy (Faculty of Computer & Information Sciences, Ain Shams university); El-Sayed M. El-Horbaty (Faculty of Computer & Information Sciences, Ain Shams university)
	ICICIS2023-14	**Towards Universal Metrics for Hardware Cybersecurity Assessment** Ahmed Y Abdalmagid (German University in Cairo); Samar Shukry (German University in Cairo); Hassan Soubra (ECE-Ecole Centrale d'Electronique Lyon, France)
	ICICIS2023-42	**An Intrusion Detection System for Smart Autonomous E-Bikes** Roba Maged (German University in Cairo); Hassan Soubra (ECE);Ahmed Ali (German University in Cairo); Ahmed A Mazhr (German University in Cairo); Mohamed Sabry (Universidad Carlos III de Madrid); Islam Sabry (German University in Cairo)
	ICICIS2023-118	**Social Bot Detection based on Language-independent Stylometric Analysis using dual-channel multi-dimensional CNN** Sameh M Attya (Military technical college); Ahmed Mattar (Military technical college); Khaled Badran (Military technical college)
	ICICIS2021-144	**Edge Computing and Distributed Ledger Technology for The Industrial IoT** Mohamed A Abo-Soliman (Faculty of Computer & Information Sciences, Ain Shams university); Eman shaaban (Faculty of Computer & Information Sciences, Ain Shams university); Mirvat M Al-Qutt (Faculty of Computer & Information Sciences, Ain Shams university); Karim Emara (Faculty of Computer & Information Sciences, Ain Shams university)
	ICICIS2021-149	**A Review on Privacy and Anonymity in Blockchain Security** Doaa Abdelmohsen (Faculty of Computer and Information Sciences, Ain Shams University); Tamer Abdelkader (Faculty of Computer and Information Sciences, Ain Shams University); Mohammed Hashem (Faculty of Computer and Information Sciences, Ain Shams University)
4:00-4:30	**Coffee Break – Iceland Hall**	
4:30-5:00	**Closing Session – Monaco Hall A**	

Wednesday, November 22, 2023 – Monaco Hall C

CS 14 - Data Science and Knowledge Discovery II	
	Session Chairs: Prof. Hassan Ramadan , Dr. Wedad Hussein, Dr. Huda Maghwary	
2:30-4:00	ICICIS2023-132	**A Comparative Study on Point-of-Interest Recommendation Techniques in Location-Based Social Network** Eman Bahgat (Faculty of Computer and Information sciences, Ain shams university); Alshaimaa Abo-alian (Faculty of computer and information sciences, Ain shams university); Sherine Rady (Faculty of Computer and Information Sciences, Ain shams university); Tarek Gharib (Faculty of Computer and Information Sciences, Ain shams university)
	ICICIS2023-147	**Optimizing Multi-Media Database Performance: A Comprehensive Review of Fragmentation Methods and Dynamic Access Patterns** Shymaa Hosny (Faculty of Archaeology, Ain Shams University); Nagwa Badr (Faculty of Computer & Information Sciences, Ain Shams University); Ahmed Ezzat Abdelraof (Faculty of Computer And Information Sciences, Ain Shams University); Mohamed Ibrahim (Faculty of Archaeology, Ain Shams University)
	ICICIS2023-162	**Retinal Fundus Diseases Detection and Identification Using CNN** Hazem Yousef (Faculty of Computer & Information Sciences, Ain Shams university); Hadeer El-Saadawy (Faculty of Computers and Information Sciences, Ain shams University); Maryam N. Al-Berry (Faculty of Computers and Information Sciences. Ain shams University); Mohammed F.Tolba (Faculty of Computers and Information Sciences, Ain shams University)
	ICICIS2023-171	**Multilingual Model Fine-tuning for Sentiment Analysis** Mohamed Lotfy Elrefai (Faculty of Computer & Information Sciences, Ain Shams University); Mahmoud Khalil (Faculty of Computer & Information Sciences, Ain Shams University); Hazem Abbas (Faculty of Computer & Information Sciences, Ain Shams University)
	ICICIS 2023-183	**Analysis of Students Performance in Flipped Classroom-based Vocational Education Using Data Mining Tools** Youssra Ousama Kamal Eldeen (Egyptian-German College of Technology, Misr International Technological University); Mohamed MT Abdelraheem (Electrical Engineering Department, Assiut University); Taysir Hassan A. Soliman (Faculty of Computers and Information, Assiut University)
	ICICIS 2023-187	**Deep Learning for Extracting Human Movement Patterns from Spatio-Temporal Data** Mahmoud Ezzat Abdelmobdy (Faculty of Computer and Information Sciences, Ain Shams University); Tamer Abdelkader (FCIS, Ain Shams University); Nagwa Badr (Faculty of Computer & Information Sciences, Ain Shams University)
4:00-4:30	**Coffee Break – Iceland Hall**	
4:30-5:00	**Closing Session – Monaco Hall A**	