6th International Conference on Computing and Informatics (ICCI24)

6 – 7 March 2024

Future University in Egypt
New Cairo, Egypt

Organized By

Faculty of Computers and Information Technology

Future University in Egypt

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Mr. Khaled Azazy
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Prof. Neveen I. Ghali
Vice Dean

ICCI24 Conference Program

*** All times are given in terms of Cairo, Egypt time zone (UTC/GMT +2 hour) ***

Day 1 – Wednesday, March 6, 2024

9:00 – 10:00	Registration	Location
10:00 –10:15	**Opening Session** Prof. Dr. Ebada Sarhan – Honorary Chair Prof. Dr. Awad Khalil – Conference Chair	FUE Theatre
10:15 – 10:45	**Keynote Speech - 1** Chair: **Prof. Dr. Awad Khalil** Co-Chair: **Prof. Dr. Neveen Ghali** Speaker1**: Prof. Dr. Aliaa Youssef** Professor and Dean - College of Computing and Information Technology, Arab Academy for Science Technology and Maritime Transport (AAST), Cairo, Egypt Topic: **Navigating the Moral Maze: Artificial Intelligence Ethics in a Changing World**	FUE Theatre
10:45 – 11:15	**Keynote Speech – 2 (Industrial track)** **Speaker 2: Eng. Maged Farag** - Creative and Managing Director at 5dVR Topic:**Metaverse Mythbusting: Surviving the Immersive Hype Cycle**	FUE Theatre
11:15 –11:30	**Coffee break**	**FUE Theatre**
11:30 – 13:10	**Session D1-1-T** On-site Presentations Track: Smart Environments **Chair: Prof. Gouda Ismail Co-Chair: Prof. Amal Mehanna**	FUE Theatre
	Session D1-1-A On-site Presentations Track: Smart Environment, Embedded Systems & Information Systems **Chair: Prof. Khaled Tawfik Co-Chair: Prof. Amira Sayed**	Hall A (FCIT)
	Session D1-1-B On-site Presentations Track: Data Science & Knowledge Discovery **Chair: Prof. Osama Fathi Co-Chair: Prof. Yasser Kamal**	Hall B (FCIT)
13:10 –14:00	**Coffee break**	**FUE Theatre & FCIT**
14:00 – 16:00	**Session D1-2-T** Webinar Presentations Track: Mix **Chair: Prof. Hesham Dahshan Co-Chair: Prof. Samah Zaki**	FUE Theatre
	Session D1-2-A On-site Presentations Track: Artificial intelligence and Data Visualization **Chair: Prof. Yasser Kamal Co-Chair: Prof. Heba Mohsen**	Hall A (FCIT)
	Session D1-2-B On-site Presentations Track: Cryptography, Cybersecurity and Forensics **Chair: Prof. Aml Farouk Co-Chair: Prof. Mohamed Attia**	Hall B (FCIT)

Day 2 – Thursday, March 7, 2024

9:00 – 10:00	Registration	Location
10:00 – 10:30	**Keynote Speech - 1** Chair: **Chair: Prof. Dr. Awad Khalil** Co-Chair: **Prof. Dr. Neveen Ghali** Speaker1**: Dr. Ahmed Abdel Hafez** Vice President for Cyber Security Affairs, National Telecommunication Regulatory Authority (NTRA), Egypt Topic: **National Cybersecurity Emerging Challenges & Safeguards**	FUE Theatre
10:30 – 11:00	**Keynote Speech – 2 (Industrial track)** **Speaker 2: Eng. Mohamed Gaweish** - AWS Technical Instructor and AWS Senior Speaker. Topic: **Beyond Traditional: Embracing Serverless Paradigms on AWS**	FUE Theatre
11:00 – 11:15	**Coffee Break**	**FUE Theatre**
11:15 – 13:00	**Session D2-1-T** On-site Presentations Track: Artificial Intelligence and Data Visualization **Chair: Prof. Ramadan Moawad Co-Chair: Prof. Heba Mohsen**	FUE Theatre
	Session D2-1-A On-site Presentations Track: Information Systems Management & E-Learning **Chair: Prof. Tarek Mahmoud Co-Chair: Prof. Amal Mehanna**	Hall A (FCIT)
	Session D2-1-B On-site Presentations Track: Information Systems & Bioinformatics **Chair: Prof. Fatma Omara Co-Chair: Prof. Mohamed Attia**	Hall B (FCIT)
13:15 – 14:00	**Coffee break**	**FUE Theatre & FCIT**
14:00 – 16:30	**Session D2-2-T** Webinar Presentations Track: Mix **Chair: Prof. Mahmoud Sami Co-Chair: Prof. Ahmed Yakoub**	FUE Theatre
	Session D2-2-A On-site Presentations Track: Image Processing and Pattern Recognition **Chair: Prof. Atef Ghalwash Co-Chair: Prof. Yasser Kamal**	Hall A (FCIT)
	Session D2-2-B On-site Presentations Track: Cryptography, Cybersecurity and Forensics – Software Engineering **Chair: Prof. Yehia Helmy Co-Chair: Prof. Amira Sayed**	Hall B (FCIT)
	Session D2-2-C On-site Presentations Track: Image Processing and Pattern Recognition – Software Engineering **Chair: Prof. Eman Shabaan Co-Chair: Prof. Samah Zaki**	Hall C (FCIT)

Sessions Schedule

*** All times are given in terms of Cairo, Egypt time zone (UTC/GMT +2 hour) ***

Day 1 – Wednesday, March 6, 2024

Track: Smart Environments

Session D1-1-T: On-site

Chair:	**Prof. Gouda Ismail**	**Co-Chair:**	**Prof. Amal Mehanna**
Time:	**11:30 – 13:10**	**Location:**	**FUE Theatre**

Time	Paper	Remarks
11:30 – 11:50	**Paper Id: 47** Quantum Red Fox Optimisation Algorithm for Supply Chain Forecasting in Timber Industry **Rytis Maskeliunas** - Vytautas Magnum University Akademija rytis.maskeliunas@ktu.lt	
11:50 – 12:10	**Paper Id: 46** Leveraging entangled quantum states to develop consensus mechanisms in blockchain networks for smart forestry applications **Robertas Damasevicius** - Vytautas Magnum University Akademija robertas.damasevicius@vdu.lt	
12:10 – 12:30	**Paper Id: 74** A Novel Inception Deep Learning model for Mobile AI Stroke Prediction system: AI Research and Industry Perspectives for Connected Health **Bassant M. Elbagoury** - Faculty of Computer Science and Engineering - King Salman International University bassant.mohamed@ksiu.edu.eg	
12:30 – 12:50	**Paper Id: 15** Support Chatbot based on ChatGPT for Customer Relationship Management in Educational Institutions **Islam Samih Mohamed** - dept. Business Information Systems Faculty of Commerce and Business Administration - Helwan University islam.samih21@commerce.helwan.edu.eg	
12:50 – 13:10	**Paper Id: 14** Improve the efficiency of network traffic in IoT using dimensionality reduction **Ibrahim Ali Mohamed** - Department of Computer Science, Faculty of Computers and Artificial Intelligence Cairo University i.ali@fci-cu.edu.eg	

Day 1 – Wednesday, March 6, 2024

Track: Smart Environments, Embedded Systems & Information Systems

Session D1-1-A: On-site

Chair:	Prof. Khaled Tawfik	Co-Chair:	Prof. Amira Sayed
Time:	11:30 – 13:10	Location:	Hall A (FCIT)

Time	Paper	Remarks
11:30 – 11:50	**Paper Id: 63** TL-IDS: A Transfer Learning Technique for Botnet Detection in IoT **Salma Abdelhamid** - Computer Science Department Faculty of Computers and Information Technology Future University in Egypt salma.abdelhamed@fue.edu.eg	
11:50 – 12:10	**Paper Id: 72** A Comprehensive Investigation for Quantifying and Assessing the Advantages of Blockchain Adoption in Banking Industry Amira Hassan Abed - Faculty of Computers and Information Technology - Future University in Egypt mirahassan61286@gmail.com	
12:10 – 12:30	**Paper Id: 11** Real time Integration GPS with gyro-compassing using two cascaded EKF with free RTOS **Ahmed A. Badawy** - Guidance department Military Technical College Ahmedbadawy2208@gmail.com	Embedded System
12:30 – 12:50	**Paper Id: 87** From Vision to Precision: The Dynamic Transformation of Object Detection in Autonomous Systems **Nesma Alabyad -** Future University In Egypt 20200220@fue.edu.eg	
12:50 – 13:10	**Paper Id: 88** Sustainable Urban Resource Management An Analytical Framework **Yasser Kamal Ali** - Future University in Egypt, Faculty of Computers and Information Technology Yasser.aboumandour@fue.edu.eg	Information Systems

Day 1 – Wednesday, March 6, 2024

Track: Data Science & Knowledge Discovery

Session D1-1-B: On-site

Chair:	**Prof. Osama Fathi**	**Co-Chair:**	**Prof. Mohamed Attia**
Time:	**11:30 – 13:10**	**Location:**	**Hall B (FCIT)**

Time	Paper	Remarks
11:30 – 11:50	**Paper Id: 53** Sentiment Analysis for Arabic Product Reviews using LLMs and Knowledge **Graphs Abdelrahman Lotfy** - School of Information Technology and Computer Science (ITCS), Nile University ab.lotfy@nu.edu.eg	
11:50 – 12:10	**Paper Id: 49** Time series prediction analysis of Long Short Term Memory Models **Mutasem Jarrah** - Information Technology Department King Abdulaziz University mmjarrah@kau.edu.sa	
12:10 – 12:30	**Paper Id: 54** Weather Prediction Platform using Data Mining **Haya k. Elsonbaty** - Artificial Intelligence Science Faculty of Computer Science and Engineering - New Mansoura University haya221101067@nmu.edu.eg	
12:30 – 12:50	**Paper Id: 57** Sentiment Analysis on Arabic Companies Reviews **Aya E. Fouda** - School of Computer Science, Nile University a.elneanaei@nu.edu.eg	
12:50 – 13:10	**Paper Id: 31** Using Machine Learning Techniques to Maximize Profitability in the Hospitality Industry **Mohammed S. Shallan -** Faculty of Commerce and Business Administration Helwan University mohammed.saeed21@commerce.h elwan.edu.eg	

Day 1 – Wednesday, March 6, 2024

Track: Mix

Session D1-2-T: Webinar

Chair:	**Prof. Hesham Dahshan**	**Co-Chair:**	**Prof. Samah Zaki**
Time:	**14:00 – 16:00**	**Location:**	**FUE Theatre**

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 40** Word Spotting in Historical Arabic Documents Using Deep Learning **Somayh Al-Amoudi** - Information Technology - King Abdulaziz University somayh.a.a@gmail.com	
14:20 – 14:40	**Paper Id :41** An End-to-End Deployment Workflow for AI Enabled Agriculture Applications at the Edge **Doruk Sonmez** - Computer Engineering Department Gazi University Graduate School of Natural and Applied Sciences doruk898@gmail.com	
14:40 – 15:00	**Paper Id: 43** A Case Study for Language-Free Keyword Extraction with Statistical and Graph-Based Features **Hüma Kılıç** - Computer Engineering Department Faculty of Technology, Gazi University acetin@gazi.edu.tr	
15:00 – 15:20	**Paper Id: 17** Systematic Review of Machine Learning Approaches in Forecasting Economic Growth and Enhancing Decent Work Opportunities: A Comprehensive Analysis **MIRA TAMER SHAKER** - Management Information System, Faculty of Commerce & Business Administration Future University in Egypt mira.shaker@fue.edu.eg	
15:20 – 15:40	**Paper Id: 42** Artificial Intelligence Based Employee Attrition Analysis and Prediction Aydin Cetin - Havelsan Inc.Command Control and Defence technologies acetin@gazi.edu.tr	
15:40 – 16:00	**Paper Id: 52** Database Security: Current Challenges and Effective Protection Strategies **Ahmed Naguib -** Faculty of Information Technology and Computer Science Nile University a.naguib2283@nu.edu.eg	

Day 1 – Wednesday, March 6, 2024

Track: Artificial Intelligence and Data Visualization

Session D1-2-A: On-site

Chair:	**Prof. Yasser Kamal**	**Co-Chair:**	**Prof. Heba Mohsen**
Time:	**14:00 – 16:00**	**Location:**	**Hall A**

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 2** Leveraging EEG Signals and Machine Learning for Schizophrenia Classification **Sara El-Metwally** - Computer Science Department - Mansoura University sarah_almetwally4@mans.edu.eg	
14:20 – 14:40	**Paper Id: 5** The Classification Of Cattle Behaviors Using Deep Learning **Mahmoud Daker** - Faculty of Computer Science October University for Modern Sciences and Arts (MSA) mahmoud.hossam2@msa.edu.eg	
14:40 – 15:00	**Paper Id: 85** MemorySona: Illuminating Cognitive Health with Deep Learning – A Mobile Medical App for Alzheimer's Patients **Samah A. Z. Hassan** - Information System Department - Suez University s.hassan@suezuni.edu.eg	
15:00 – 15:20	**Paper Id: 26** (Voick): Enhancing Accessibility in Audiobooks through Voice Cloning Technology **Mahmoud Ahmed Mahmoud** - Faculty of Computer Science - October University for Modern Sciences and Arts (MSA) mahmoud.ahmed50@msa.edu.eg	
15:20 – 15:40	**Paper Id: 12** Efficient Computational Cost Reduction in KNN through Maximum Entropy Clustering **Ammar Mohamed** - School of Computing and Digital Technology - ESLSCA University Egypt ammar@cu.edu.eg	
15:40 – 16:00	**Paper Id: 34** Data Augmentation for Sentiment Analysis Enhancement: A Comparative Study **Farida Yasse**r - School of Computing and Digital Technology - ESLSCA University Egypt Farida.youssef21d@eslsca.edu.eg	

Day 1 – Wednesday, March 6, 2024

Track: Cryptography, Cybersecurity and Forensics

Session D1-2-B: On-site

Chair:	**Prof. Aml Farouk**	**Co-Chair:**	**Prof. Amira Sayed**
Time:	**14:00 – 15:40**	**Location:**	**Hall B**

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 3** Harnessing the Power of AI for Effective Cybersecurity Defense **Samar M.Nour** - Department of Computer and Systems Engineering. Faculty of Engineering - Badr University samar.nour@buc.edu.eg	
14:20 – 14:40	**Paper Id: 8** Multi-Class Threat Detection Using Neural Network and Machine Learning Approaches in Kubernetes Environments **Abdelrahman Aly** - Dept. Computer Systems Faculty of Computer and Information Sciences Ain Shams University Abdlrhmn.ali@cis.asu.edu.eg	
14:40 – 15:00	**Paper Id: 25** A New Security Mechanism for MIL-STD-1553 using Authenticated Encryption Algorithms **Ahmed A.Tawfik** - Communication Department Military Technical College ahmedali27491@gmail.com	
15:20– 15:40	**Paper Id: 55** Advanced Network Malware Detection: Integrating PySpark and Machine Learning Techniques **Ahmed Ashraf Mohamed**- ITCS School, Nile University ahme.ashraf@nu.edu.eg	
15:40 – 16:00	**Paper Id: 22** 3D Object Detection for Autonomous Driving: A Comprehensive Review **Ahmed Soliman Nagiub -** Computer System Department - Ain Shams University ahmed.nagiub@cis.asu.edu.eg	

Day 2 – Thursday, March 7, 2024

Track: Artificial Intelligence and Data Visualization

Session D2-1-T: On-site

Chair:	**Prof. Ramadan Moawad**	**Co-Chair:**	**Prof. Heba Mohsen**
Time:	**11:15 – 13:15**	**Location:**	**FUE Theatre**

Time	Paper	Remarks
11:15 – 11:35	**Paper Id: 38** Deep Learning Approaches for Sentiment Analysis: Comparative results **Adham Kossay Youssef** - School of Computing and Digital Technology - ESLSCA University Egypt adham.youssef21d@eslsca.edu.eg	
11:35 – 11:55	**Paper Id: 58** Using Supervised Machine Learning Model For Predicting Fake Deliveries **Mohamed A. Sadek** - Faculty of Information Technology and Computer Science - Nile University mohamed.sadek146@gmail.com	
11:55 – 12:15	**Paper Id: 65** Detecting Radioactive Mineralization using DBSCAN and BIRCH Algorithms **Ali Othman Jahlan** - Computer Science department - Cairo ali.jhlan@pg.cu.edu.eg	
12:15 – 12:35	**Paper Id: 83** Driver and Vehicle Unsafe Behavior Tracking using Deep Learning **Farida Yasse**r - School of Computing and Digital Technology - ESLSCA University Egypt Farida.youssef21d@eslsca.edu.eg	
12:35 – 12:55	**Paper Id: 16** Empirical Study on Mispronunciation Detection for Tajweed Rules during Quran Recitation **Yousef S Alsahafi** - Department of Information technology Computing and Information technology at Khulis College University of Jeddah ysalsahafi@uj.edu.sa	
12:55 – 13:15	**Paper Id: 33** Comparative Study and Analysis in Text Summarization Literature **Eman Wafaa Boghdady** emanboghdady105@gmail.com	

Day 2 – Thursday, March 7, 2024

Track: Information Systems Management & E-learning

Session D2-1-A: On-site

Chair:	**Prof. Tarek Mahmoud**	Co-Chair:	**Prof. Amal Mehhana**
Time:	**11:15 – 12:55**	Location:	**Hall A (FCIT)**

Time	Paper	Remarks
11:15 – 11:35	**Paper Id: 4** The Impact of Information Systems and Business Strategy Attributes to Formulate the Corporate Strategy **Rami M. Baazeem** - Department of Management Information Systems, College of Business University of Jeddah 04100425@uj.edu.eg	
11:35 – 11:55	**Paper Id: 28** My Real Estate: Revolutionizing Real Estate Transactions and Ownership Management with Blockchain and NFTs **Mahmoud Raafat Elrashidy** - Software engineering - Computer science Modern Sciences and Arts university mahmoud.raafat1@msa.edu.eg	
11:55 – 12:15	**Paper Id: 35** Using Data Analytics Techniques for Enhancing Social Media Marketing Processes **Nora Barakat Ghareeb** - Business Information Systems (BIS) Department, Faculty of Commerce and Business Administration - Helwan University Nora.Barakat@Helwan.edu.eg	
12:15 – 12:35	**Paper Id: 77** Leveraging new Technologies for Building a Comprehensive Smart MIS: Integrating ERP, Blockchain, IoT, Context-awareness, and Cloud Computing **Bayan Elakhdar** - Information System Department - Suez University s.hassan@suezuni.edu.eg	
12:35- 12:55	**Paper Id: 81** Comprehensive Synthesis of Decision-Making in Complex Systems. **Warda Mustafa** – Information System Department – Future University in Egypt Warda.mahmoud@fue.edu.eg	

Day 2 – Thursday, March 7, 2024

Track: Information Systems & Bioinformatics

Session D2-1-B: On-site

Chair:	**Prof. Fatma Omara**	**Co-Chair:**	**Prof. Mohamed Attia**
Time:	**11:15 – 12:55**	**Location:**	**Hall B (FCIT)**

Time	Paper	Remarks
11:15 – 11:35	**Paper Id: 6** The Detection of Exercise Intensity For Cardiac Rehabilitation Using Optical Flow And Deep Learning **Mahmoud Daker** - Faculty of Computer Science October University for Modern Sciences and Arts (MSA) mahmoud.hossam2@msa.edu.eg	
11:35 – 11:55	**Paper Id: 10** Disease Outbreak /Epidemic in Public Health Sector **Reham Abdallah** - Faculty of Business, Economics & Business Technology Egyptian Russian University Reham-abdallah@eru.edu.eg	
11:55 – 12:15	**Paper Id: 23** Enhancing Thyroid Cancer Diagnosis through a Resilient Deep Learning Ensemble Approach **Nadeen Amgad** - Faculty of Computer Science MSA University Nadeen.amgad@msa.edu.eg	
12:15 – 12:35	**Paper Id: 24** Enhanced Diagnosis of Liver Cancer Subtypes Through Deep Learning Techniques **Hanan Tarek** - Faculty of Computer Science MSA University hanan.tarek@msa.edu.eg	
12:35 – 12:55	**Paper Id: 37** Enhancing E-Learning Materials Recommendations with Contextual Awareness and Collaborative Filtering **Ahmed Anter** – Faculty of Commerce and Business Administration Helwan University ahmedantar1616@pg.cu.edu.eg	

Day 2 – Thursday, March 7, 2024

Track: Mix

Session D2-2-T: Webinar

Chair:	Prof. Mahmoud Sami	Co-Chair:	Prof. Ahmed Yakoub
Time:	14:00 – 16:00	Location:	FUE Theatre

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 71** A Comparative Study of Recent 2D Human Pose Estimation Methods **Nada E. Elshami** - Department of Computer Science - Faculty of Computers and Information Technology - Future University in Egypt Nada.hussien@fue.edu.eg	
14:20 – 14:40	**Paper Id: 13** Multi-GANs with Shared Generator: An Approach for Handling Mode Collapse Issue **Mohammed Megahed** - Department of Computer Science - Cairo University mohammad.megahed@pg.cu.edu.eg	
14:40 – 15:00	**Paper Id: 30** Cancelable Biometrics Based on Quaternion Adaptive Filter Optimization for Security Applications **Mahmoud Nasr** - Department of Biocybernetics and Biomedical Engineering AGH University of Krakow Mahmoud.nasr@fue.edu.eg	
15:00 –15:20	**Paper Id: 45** ULung:A Novel Approach for Lung Image Segmentation **Osim Kumar Pal** - Biomedical Engineering University of Kragujevac osimkpal@gmail.com	
15:20 –15:40	**Paper Id: 67** Machine Learning Based Approaches For Android Malware Detection using Hybrid Feature Analysis **Ahmed M Neil** - Computer Systems Department Ain shams University ahmed.neil@cis.asu.edu.eg	
15:40 – 16:00	**Paper Id: 64** Android Malware Detection and Prevention based on deep learning and tweets analysis **Mahmoud A. Khalifa -** Computer Science Department Security Engineering Laboratory Prince Sultan University mzian@psu.edu.sa	

Day 2 – Thursday, March 7, 2024

Track: Image Processing and Pattern Recognition

Session D2-2-A: On-site

Chair:	**Prof. Atef Ghalwash**	**Co-Chair:**	**Prof. Yasser Kamal**
Time:	**14:00 – 15:40**	**Location:**	**Hall A**

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 73** Efficient Machine Learning Algorithms for DDoS Attack Detection **Amal M. Al-Eryani** - Department of Computer Science, Faculty of Computers and Artificial Intelligence, Cairo University aml.mohammed.aleryani@gmail.com	
14:20 – 14:40	**Paper Id: 18** Aedes aegypti mosquito movements analysis and sex classification using computer vision and deep learning **Khaled Mostafa** - Faculty of Computer Science MSA University khaled.mostafa4@msa.edu.eg	
14:40 – 15:00	**Paper Id: 27** Alzheimer's disease classification for MRI images using Convolutional Neural Networks **Sara Esam** - Department of Computer Science - Cairo University saraesam@pg.cu.edu.eg	
15:00 – 15:20	**Paper Id: 36** A Scoring Approach for Improving Presentation Impact: Addressing Voice Stuttering, AR Glasses-Based Emotion Recognition, and Profiled Movement Assessment **Mostafa Ameen** - Faculty of Computer Science - October University for Modern Sciences and Arts (MSA) Mostafa.ameen@msa.edu.eg	
15:20– 15:40	**Paper Id: 44** Efficient Aerial Specific Building Recognition Using CRKEM-ORB **Ahmed Fouad** - Elictrical Engineering M.T.C Fo2sh44@yahoo.com	

Day 2 – Thursday, March 7, 2024

Track: Cryptography, Cybersecurity and Forensics, Software Engineering

Session D2-2-B: On-site

Chair:	**Prof. Yehia Helmy**	Co-Chair:	**Prof. Amira Sayed**
Time:	**14:00 – 15:40**	**Location:**	**Hall B**

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 61** ZF-DDOS: An Enhanced Statistical-Based DDoS Detection Approach using Integrated Z-Score and Fast-Entropy Measures **Mahmoud Hassan** - Departemnt of Computer Engineering and Artifitial Intelligence Military Technical Colleague mahmoudhassan82068@gmail.com	
14:20 – 14:40	**Paper Id: 69** Reduced Complexity Iterative Decoding for Hamming-Based Turbo Product Code **tamer mekkawy** - IEEE Avionics Department, Military Technical College mekkawy@ieee.org	
14:40 – 15:00	**Paper Id: 59** A Framework for Democratizing Open-Source Decision-Making using Decentralized . **Khalifa Hassan Afifi**	
15:00 – 15:20	**Paper Id: 9** Adopting Quality Attributes Based Quantitatively Methodology Using Deep Learning to NoSQL Databases **Noha Ahmed Bayomy** - Department of Information Systems Faculty of Computers and Artificial Intelligence, Helwan University nohaahmed_isp@fci.helwan.edu.eg	Software Engineering
15:20 – 15:40	**Paper Id: 86** Exploring Face Detection and Feature Extraction Strategies in Facial Expression Recognition: A Comprehensive Review **Tasnim S. Kandil** - Faculty of Computers and Information Technology, Future University in Egypt Tasnim.Kandil@fue.edu.eg	

Track: Image Processing and Pattern Recognition, Software Engineering

Session D2-2-C: On-site

Chair:	Prof. Eman Shabaan	Co-Chair:	Prof. Samah Zaki
Time:	14:00 – 16:00	Location:	Hall C

Time	Paper	Remarks
14:00 – 14:20	**Paper Id: 51** Arabic Abstractive Summarization Using the Multilingual T5 Model **Abdelrhman A. Karim** - Artificial Intelligence Engineering Department Faculty of Computer Science and Engineering, New Mansoura University abdelrahman221101203@nmu.edu.eg	
14:20 – 14:40	**Paper Id: 56** Gender Detection from Hand Palm Images: A PySpark-Driven Approach with VGG19 Feature Extraction and MLP Classification **Mayar Tarek Henedak** - BMD Program, ITCS, Nile University m.henedak@nu.edu.eg	
14:40 – 15:00	**Paper Id: 84** Assessment Software Reliability in Component-Based Software Systems: A Comprehensive Review **Ibrahim Ayman Tagen** – Computers and Artificial Intelligence, Cairo University ibrahim.tagen@fue.edu.eg	Software Engineering
15:00 – 15:20	**Paper Id: 70** Evaluation of Deep Learning Models on Alzheimer's MRI Dataset: AD-VGG16, AD-Resnet50, and AD-2DCNN **Linah M. Elnaghi** - Faculty of Computers and Information Technology, Future University in Egypt Linah.elnaghi@fue.edu.eg	
15:20 – 15:40	**Paper Id: 68** Detection of Covid-19 and Pneumonia in chest X-ray Images using deep learning techniques **Fatmaelzahra Hamdi** - Faculty of Computers and Information Technology Future University in Egypt Fatmaelzahra.Mohamed@fue.edu.eg	
15:40 – 16:00	**Paper Id: 75** Real-ESRGAN and SWIN-U-NET Applications in Enhancing NASA Imagery for VR Solar System Models **Amira Ahmed** - Department of Digital Media Technology, Future University in Egypt 20204660@fue.edu.eg	