The 2nd International Conference
on Emerging Trends & Applications
in Artificial Intelligence

Al-Farahidi University
ETAI 2024
Oct. 2nd – 3rd

Technical Program Schedule and Contents

Session No.	Session 1	Session Track		Date and Time
				Wednesday, Oct. 2nd / 2024 2:00 PM – 3:30 PM
Chairman	Asst. Prof. Dr. Aymen Mohammed	Coordinator	Dr. Mushtaq Talib	**Venue**
				IC-B06

Presentation Schedule of Contributory Papers

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2:30 PM – 2:45 PM	165	Huda Labash	IMPROVING DRONE'S AUTHENTICATION IN VEHICLE AD-HOC NETWORK	
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3:00 PM – 3:15 PM	152	Madloom, Deena H	OPTIMIZING MRI IMAGE FOR BRAIN TUMOR CLASSIFICATION IN MACHINE LEARNING	
3:15 PM – 3:30 PM	138	Hiba M. Isam, Aymen M. Khodayer Al-Dulaimi, Omer M. Khodayer Al-Dulaimi	AN OVERVIEW OF EMBEDDED ETHERNET CONTROLLER ON FIELD PROGRAMMABLE GATE ARRAYS (FPGA)	
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Session No.	Session 2	Session Track		Date and Time
				Wednesday, Oct. 2nd / 2024 2:00 PM – 3:30 PM
Chairman	Prof. Dr. Muafaq Cadim Abdulrida	Coordinator	Dr. Omer M. Khuthair	Venue
				IC-B07

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2:15 PM – 2:30 PM	93	Abd, Areej Adnan	ADVANCEMENTS IN ARTIFICIAL INTELLIGENCE FOR BIOMETRIC SYSTEM: A SYSTEMATIC REVIEW	
2:30 PM – 2:45 PM	118	Shaban, Ali; Al-Eisawi, Salah; Jalal, Ruqaiya; Alsumaidaie, Mustafa S; Mohammed, Farhan ; Nafea, Ahmed Adil; Khudhair, Ahmed	PERFORMANCE EVALUATION OF HEED PROTOCOL IN UNDERWATER WIRELESS SENSOR NETWORKS: THROUGHPUT AND DELAY ANALYSIS	
2:45 PM – 3:00 PM	17	Alkhazraji, Huda Saddam	ROBUST IRIS RECOGNITION USING DEEP LEARNING AND SVM CLASSIFICATION	
3:00 PM – 3:15 PM	19	Ibrahaim, Layth S.	PREDICTING THEFT CRIMES IN IRAQ : A COMPARATIVE STUDY OF SOME MACHINE LEARNING REGRESSION MODELS	
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				Wednesday, Oct. 2nd / 2024 2:00 PM – 3:30 PM
Chairman	Prof. Dr. Jumaa S. Chiad	Coordinator	Dr. Sabah A. Rahi	Venue
				TM-A06

Presentation Schedule of Contributory Papers

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Session No.	Session 4	Session Track		Date and Time
				Wednesday, Oct. 2nd / 2024 2:00 PM – 3:30 PM
Chairman	Prof. Dr. Adnan N. Jameel	Coordinator	Ehab A. Wasmi	Venue
				TM-A07

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Session No.	Session 5	Session Track		Date and Time
				Wednesday, Oct. 2nd / 2024 2:00 PM – 3:30 PM
Chairman	**Prof. Dr. Taha Shawi Morad**	Coordinator	**Lec. Khalid M. Saood**	Venue
				DM-02

Presentation Schedule of Contributory Papers

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2:45 PM – 3:00 PM	91	Attab, Muslim R; Shafeeq, Sarmad; Kamel, Makki	EFFECT OF BAR DIAMETER AND MINIMUM CONCRETE COVER ON STRENGTH AND DUCTILITY OF RECYCLED CONCRETE BEAM WITH LAP SPLICE REBAR	
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				Thursday, Oct. 3rd / 2024 9:00 AM – 11:00 AM
Chairman	Prof. Dr. Fareed F. Rashid	Coordinator	Asst. Lec. Kareem A. Malalah	Venue
				IC-B06

Presentation Schedule of Contributory Papers

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Session No.	Session 7	Session Track		Date and Time
				Thursday, Oct. 3rd / 2024 9:00 AM – 11:00 AM
Chairman	Prof. Dr. Ali Hussein Al-Hilali	Coordinator	Asst. Lec. Ahmed Hussain	Venue
				IC-B07

Presentation Schedule of Contributory Papers

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Chairman	Prof. Dr. Mohsin A. Al-Shammari	Coordinator	Dr. Saba Ammar	Venue
				TM-A06

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				Thursday, Oct. 3rd / 2024 9:00 AM – 11:00 AM
Chairman	Prof. Dr. Khulood	Coordinator	Asst. Prof. Dr. Bilal A. Sulaiman	Venue
				DM-01

Presentation Schedule of Contributory Papers

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9:30 AM – 9:45 AM	130	.Alzubide, Lara Emad; Al-Fatlawi, Mayyadah; B. Al-Zubidi, Aseel; Resan, Kadhim	3D PRINTED PROSTHETIC FOOT ENHANCEMENT THROUGH COMPOSITE REINFORCEMENT FOR ENHANCED DURABILITY AND PERFORMANCE	
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Chairman	Asst. Prof. Dr. Ahmed Hasson	Coordinator	Dr. Muna M. Nafi	Venue
				DM-02

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9:30 AM – 9:45 AM	28	Majid, Haeen. M.	DESIGN A FILTER FOR TREATMENT UTILIZATION OF GREY WATER (WASHING MACHINE) BY USING ADSORBENT	
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Chairman	Prof. Dr. Ali H. Khalil	Coordinator	Dr. Hiba M. Isam	**Venue**
				IC-B06

Presentation Schedule of Contributory Papers

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Session No.	Session 12	Session Track		Date and Time
				Thursday, Oct. 3rd / 2024 11:00 AM – 1:00 PM
Chairman	Prof. Dr. Ismail Karas	Coordinator	Asst. Prof. Dr. Aymen Mohammed	Venue
				IC-B07

Presentation Schedule of Contributory Papers

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11:35 AM – 11:50 AM	115	Mohammed, Zainab; Abdulhameed, Abbas Abdulazeez; Mohialden, Yasmin M	MULTILINGUAL SENTIMENT ANALYSIS OF UNIVERSITY SOCIAL MEDIA POSTS USING BERT AND MACHINE LEARNING CLASSIFIERS	
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Session No.	Session 13	Session Track		Date and Time
				Thursday, Oct. 3rd / 2024 11:00 AM – 1:00 PM
Chairman	Asst. Prof. Dr. Ahmed A. Akbar	Coordinator	Dr. Samir A. Amin	Venue
				TM-A06

Presentation Schedule of Contributory Papers

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11:15 AM – 11:30 AM	27	Hameed, Saba A.	SIMULATION AND MODELING BY ANSYS 16.1 TO DESIGN SOLAR AN AUTOCLAVE TO STERILIZE MEDICAL TOOLS AND DISTILLATION WATER USING PARABOLIC DISH	
11:30 AM – 11:45 AM	29	Sameer, Osama; Khleif , Ali; Albaghdadi , Baraa ; Abdulhameed, Nader	NUMERICAL AND EXPERIMENTAL MODELING OF THE EFFECTS OF A NANO-COMPOSITE ELECTRODE ON THE ELECTRICAL DISCHARGE MACHINING PERFORMANCE	
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Chairman	Prof. Dr. Munqith Dawood Saleem	Coordinator	Ali Hussein Bawi	Venue
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Session No.	ZOOM - 2	Session Track		Date and Time
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Chairman	Prof. Dr. Ahmed K. Falih	Coordinator	Mustafa M. Jasim	Venue
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10:15 AM – 10:30 AM	149	khulaif, Mohammed k; Farej, Ziyad K.	THE EFFECT OF SINGLE-HOP AND MULTI-HOP ROUTING ALGORITHMS ON NETWORK LIFETIME	
10:30 AM – 10:45 AM	148	salih, rayyan; Basheer, Nasseer Moyasser	AUTOMATED BONE AGE ASSESSMENT USING DEEP LEARNING: A TWO-STAGE METHOD WITH GENDER-ENHANCED AGE ESTIMATION	
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Chairman	Lec. Akeel A. Hussein	Coordinator	Ali S. Bawi	**Venue**
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9:30 AM – 9:45 AM	95	Farhan, Tabarak I; Husseen Shauu Al-Taie, Ali	MATHEMATICAL MODEL OF FWD BRANCHING TYPE WITH HYPHAL DEATH	
9:45 AM – 10:00 AM	62	Dwaish, Haifaa; Miften, Firas Saber	ENHANCING BLOOD PRESSURE ESTIMATION ACCURACY USING PHOTOPLETHYSMOGRAPHY AND MACHINE LEARNING	
10:00 AM – 10:15 AM	101	Najam, Hadeel N	GRAPH-BASED GENE SELECTION FOR ENHANCED DNA MICROARRAY CLASSIFICATION	
10:15 AM – 10:30 AM	72	Hameed, Watheq Najah	ROBUST SLIDING MODE CONTROL FOR 2-DOF ROBOT MANIPULATOR POSITION CONTROL SYSTEM	
10:30 AM – 10:45 AM	107	Hassa, Mariam S; Shuaa, Ali	MATHEMATICAL MODEL OF FUNGAL GROWTH WITH SUBSTRATE	
10:45 AM – 11:00 AM	126	Dhumad, Najlaa A; Issa, Hossam; Kneehr, Abbas	A NEW APPROACH FOR MOMENTS ESTIMATOR AND PERCENTAGES METHOD FOR ESTIMATING THE PARAMETERS OF TRUNCATED EXPONENTIAL MARSHALL-OLKIN EXPONENTIAL DISTRIBUTION	

The 2nd International Conference
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in Artificial Intelligence

Al-Farahidi University
ETAI 2024
Oct. 2nd – 3rd

Session No.	ZOOM - 4	Session Track		Date and Time
				Thursday, Oct. 3rd / 2024 **11:00 AM – 1:00 PM**
Chairman	Dr. Aws Z. Samin	Coordinator	Mustafa M. Jasim	Venue
				Digital Transformal

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11:15 AM – 11:30 AM	127	Sara Z. Al-Zubaidi	DETECTING DDOS ATTACKS USING MACHINE LEARNING	
11:30 AM – 11:45 AM	124	Shaban, Ali Muwafaq ; Al-Mahdawi, Manar ; Ibrahim, Mohammed Salah ; Kareem, Aythem Khairi ; Al-Eisawi, Salah; Nafea, Ahmed Adil	PREDICTING AIR QUALITY INDEX USING AN ENSEMBLE MODEL BASED ON INTERNET OF THINGS OBSERVATIONS	
11:45 AM – 12:00 PM	7	Khalid, Munaf Mudheheher; Al-Khafaji, Ashraf Farhan	ENHANCING USER BEHAVIOR DETECTION IN ONLINE ADVERTISING THROUGH ENSEMBLE VOTING TECHNIQUES	
12:00 PM – 12:15 PM	143	Al-Ahbabi, Marwan Adnan; Al-Tuwaijari, Jamal Mustafa; Al-Jbory, Dr. Awf	ENHANCING IRAQI AGRICULTURE WITH AI-BASED PLANT DISEASE DETECTION	
12:15 PM – 12:30 PM	155	Jassim, Noor H; Salih, Ibrahim	PERFORMANCE ANALYSIS OF A COOPERATIVE NOMA SYSTEM USING HYBRID RELAYING PROTOCOL	
12:30 PM – 12:45 PM	168	Jweeg, Muhsin Jweeg	FATIGUE CHARACTERIZATION AND FINITE ELEMENT MODELLING OF COMPOSITE MATERIALS USING KENAF AS A REINFORCEMENT MATERIALS	
12:45 PM – 1:00 PM	35	Lafta, Anfal Emad	HYBRID HIDING MEDICAL DATA SYSTEM BASED DNA LOSSLESS TECHNIQUE	
1:00 PM – 1:15 PM	122	Abed, Ibtihal Ahmed	THE CLASSICAL ARTIFICIAL DIFFUSION WEAK GALERKIN FINITE ELEMENT METHOD FOR SOLVING UNSTEADY STATE CONVECTION-DIFFUSION PROBLEMS	

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Session No.	ZOOM - 5	Session Track		Date and Time
				Thursday, Oct. 3rd / 2024 **11:00 AM – 1:00 PM**
Chairman	Asst. Prof. Dr. Ahmed A. Sekiki	Coordinator	Lec. Akeel A. Hussein	Venue
				Digital Transformal

Presentation Schedule of Contributory Papers

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11:15 AM – 11:30 AM	81	Fahad, Ali Asghar	LINK PREDICTION USING UNSUPERVISED LEARNING TECHNIQUES TO ANALYSIS AND CLASSIFICATION OF DISEASE NETWORKS	
11:30 AM – 11:45 AM	97	Nasif, Mohmmed Abdulmunem; Nasif, Mohammed Abdulmunem	EXPLORING ARTIFICIAL INTELLIGENCE IN SKIN DISEASE DIAGNOSIS A COMPREHENSIVE REVIEW	
11:45 AM – 12:00 PM	83	Bouhsaien, Loubna; Mensouri, Houssam; Azmani, Abdellah	OPTIMIZING MODELS PERFORMANCE: A COMPREHENSIVE APPROACH TO ADDRESSING EMPLOYEE TURNOVER WITH ARTIFICIAL INTELLIGENCE	
12:00 PM – 12:15 PM	84	Boukrouh, Ikhlass; Tayalati, Faouzi; Azmani, Abdellah	FEATURE IMPORTANCE IN PREDICTING CUSTOMER OFFER ACCEPTANCE IN ONLINE RETAIL	
12:15 PM – 12:30 PM	172	Khanday, Akib M; Jan, Aafreena; Bhushan, Bharat; Alazzawi, Esraa; Bhattacharya, Pronaya; Jamil, Akhtar	SPATIAL DOMAIN COMPRESSION APPROACH FOR INCREASING FLIGHT DURATION IN DRONES	
12:30 PM – 12:45 PM	173	Khanday, Akib M; Bouktif, Salah; Jan, Aafreena; Bhushan, Bharat; Jamil, Akhtar; Hameed, Alaa; Bhattacharya, Pronaya	IMG: INFLUENCE MAXIMIZATION AND GREEDY-BASED APPROACH FOR FINDING PROPAGANDISTIC COMMUNITY STRUCTURE ON SOCIAL MEDIA	
12:45 PM – 1:00 PM	154	Nazar Fadhil Alwan Al-Khafaji, Abbas Hijazi	OBJECT COUNTING USING ADVANCED COMPUTER VISION	
1:00 PM – 1:15 PM	96	Kegan Mbiyana	TOWARDS ADAPTIVE QUALITY CONTROL AND SAMPLING IN MANUFACTURING	
1: 15 PM – 1:30 PM	123	Mustafa, Hadeel Ismail	LAPLACE APPROXIMATION TO ESTIMATE THE VARIANCE COMPONENTS FOR REPEATED MEASURES MODEL WITH AN APPLICATION	

Time		Author(s)	Title	
1: 30 PM – 1:45 PM	85	Tayalati, Faouzi; Boukrouh, Ikhlass; Azmani, Abdellah; Azmani, Monir	EFFICIENCY COMPARISON OF DESIGN OF EXPERIMENTS AND MACHINE LEARNING TECHNIQUES WITH SMALL DATASET	
1: 45 PM – 2:00 PM	114	Issa, Hossam; Dhumad, Najlaa A; Zakur, Yahya Asmar; Kneehr, Abbas	A COMPARATIVE STATISTICAL STUDY FOR TRIPLE MODULAR REDUNDANCY BY USING FRÉCHET DISTRIBUTION	