



The 2nd International Conference
Sustainable Technology (ICIDST
of Technical Engineering,



on Intelligent Digital Systems and
2025) 25th - 26th, June 2025, College
Al-Farahidi University, Iraq



Technical Program Schedule and Contents

الملحق

Presentation Schedule of Contributory Papers



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Session No.	Session 1	Session Track	Applied Mechanics	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Prof. Dr. Ayad M. Takhakh	Coordinator	Dr. Shireen M. Faraj	Venue: DM 1

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_3	The Effect of Coating of AISI 201 Alloy at High Temperature on Fatigue Strength	Dr. Haitham Hashem ALJawad
2	01:15– 01:30	ICIDST_4	Effect of Adding Ceramic Materials to (Al-7%Si) Alloy on Fatigue Behavior	Dr. Ban Bakir ALamer
3	01:30 – 01:45	ICIDST_5	The Effect of Adding Silicon Carbide and Boron Carbide Particles to (Al-Si-Mg) Alloy on Some Mechanical Properties	Dr. Abdullah Dhayea Assi
4	01:45 – 02:00	ICIDST_13	Smart Digital System for Optimizing Laser Cutting Parameters and Reducing Heat-Affected Zones in Stainless Steel 201	Anwar Hassan Zabon
5	02:00 -02:15	ICIDST_XXX		
6	02:15– 02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



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Session No.	Session 2	Session Track	Smart Systems	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Prof. Dr. Oday I. Abdullah	Coordinator	Dr. Ahmed A. Ibraheem	Venue: DM 2

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_36	Smart Detection of Driver Drowsiness through EEG Signals Using Discrete Wavelet Transform and Machine Learning	Seham Mohan Khathi
2	01:15– 01:30	ICIDST_39	Enhancing Air Quality Index Prediction Using Artificial Neural Networks	Manar AL-Mahdawi
3	01:30 – 01:45	ICIDST_114	Toward Net-Zero Public Infrastructure: Designing a MW-Scale PV System Based on Real Load Profiles for a Iraqi Government Building	Ali Nael Hassan
4	01:45 – 02:00	ICIDST_45	Comparative Analysis of Deep Learning and Ensemble Model for Predicting Chronic Kidney Disease	Ahmed Adil Nafea
5	02:00 -02:15	ICIDST_XXX		
	02:15-02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



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Session No.	Session 3	Session Track	Sustainable Technology	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Prof. Dr. Kadhim K. Resan	Coordinator	Dr. abbas A. Saleh	Venue: DM 3

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_35	Sustainable Bio-Coating of Co-Cr-Mo Alloys with Cow Horn Powder and PMMA via Electrostatic Spray Deposition for Biomedical Implant Applications	Shahad S. Al-Mahdawi
2	01:15– 01:30	ICIDST_64	Mechanical Characterization of Epoxy Composites Reinforced with Al ₂ O ₃ and MgO Ceramic Particles for Smart and Sustainable Applications	Hussam Raheem Henawi
3	01:30– 01:45	ICIDST_107	Synthesis and Characteristics of Sustainable Polymeric Membrane Using Green Additive Material to Development of Water Purification Systems	Tabarak A. Mutar
4	01:45 -02:00	ICIDST_135	Rheological and Mechanical Properties of Sustainable Self-Compacting Concrete with Recycled Plastic Fibers and Waste EPS	Mohanad T. Abduljaleel
5	02:00– 02:15	ICIDST_136	Early Stroke Detection with Machine Learning and Deep Learning approaches: Enhancing Clinical Decision Support Systems	Aythem Khairi Kareem
	02:15 -02:30	Discussion		



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Session No.	Session 4	Session Track	Nanotechnology	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Prof. Dr. Fathi A. Alshamaa	Coordinator	Dr. Sabah Ali Rahi	Venue: TM A07

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_34	The Critical Role of Industrial Management in Optimizing Advanced Manufacturing Processes: A Comprehensive Review	Dr. AbdulJaleel Hamad Majeed
2	01:15– 01:30	ICIDST_100	Hydrothermal Synthesis of ZnO Nanorods: Role of Seed Layer Thickness	Rahma Natheer Thannoon
3	01:30 – 01:45	ICIDST_118	Green fabrication of NiO/ZnO nanocomposites for adsorption of Acid Black 210 dye	Nawras sadoun Ibrahim
4	01:45 – 02:00	ICIDST_126	Phytogenic Synthesis of a Nanocomposite ZnO/CuO/NiO from Ficus plant and study the Photocatalytic Activity for direct blue15(DB15).	Kafa'a H. Ali
5	02:00 -02:15	ICIDST_146	Improving the Mechanical Properties of The Composite by Adding Graphene Nanoplate, Carbon Nanotube, and Their Mixture	Mohanad Mohammed
6	02:15– 02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



Technical Program Schedule and Contents

Session No.	Session 5	Session Track	Robotics and Intelligence	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Prof.Dr. Ali A. Khleif	Coordinator	Dr. Huda M. Sabbar	Venue: TM A06

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_27	A Balanced Hybrid CNN-RNN Model with Fast Text for Real-Time SMS Spam Detection	Hussein Ala'a Al-Kaabi
2	01:15– 01:30	ICIDST_56	A Hybrid CNN-ViT Hierarchical Approach for AI-Generated Image Detection	Sara A. Al-Khazraji
3	01:30 – 01:45	ICIDST_68	Design and Implementation of an Autonomous Firefighting Robot for Enhanced Public Safety	Yasmin Makki Mohialden
4	01:45 – 02:00	ICIDST_77	AI-Based Multimodal Fusion of RGB and Optical Flow for Intelligent Human Action Recognition	Mustafa Abdulkareem Alramadan
5	02:00 -02:15	ICIDST_109	ANOVA Analysis of Airfoil Design for UAVs: A Comparative Study of NACA Series Airfoils at Varying Wind Speeds	Muhamed Abdal-khadim Alaqeeli
6	02:15– 02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



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Session No.	Session 6	Session Track	Modeling and Simulation	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Asst. Prof. Dr. Ahmed Z. Shammari	Coordinator	Ali A. Mustafa	Venue: IC 7

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_31	Evaluation and enhancement of precision an evaluation of machine learning models' efficacy in forecasting Gross Domestic Product: A comparative analysis of the Grid Search methodology and the Grey Wolf Optimization algorithm.	Hind Hadee Mabrook
2	01:15– 01:30	ICIDST_124	AI-Powered Digital Twin Framework for Predictive Maintenance in Smart Industrial Systems	Mustafa Hussein Zwayyer
3	01:30 – 01:45	ICIDST_151	A Review of Fuzzy Logic Techniques in Iris Recognition: Challenges and Limitations	Israa Faisal Jassam
4	01:45 – 02:00	ICIDST_169	Performance Prediction of Radio over Free Space Optics Systems Using Adaptive Neuro-Fuzzy Inference System (ANFIS) and Neural Networks	Hashim Hasan Hasson
5	02:00 -02:15	ICIDST_172	AI-Driven Hybrid Framework for High-Accuracy Detection of Fake and AI-Generated Images	Ruqayah M. Khalil
6	02:15– 02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



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Session No.	Session 7	Session Track	Intelligent Digital Systems	Date and Time
				Wednesday, June 25 th 2025 01:00 PM – 03:00 PM
Chairman	Asst. Prof. Dr. Maher Y. Salloom	Coordinator	Ali A. Nadhim	Venue: IC 6

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	01:00– 01:15	ICIDST_6	A Real-Time Intelligent Detection System for Coronary Artery Stenosis Using YOLOv8 and Preprocessing Optimization	Israa Ahmed Ghafil
2	01:15– 01:30	ICIDST_43	Machine Learning for the Early Detection and Classification of Cardiovascular Diseases Based on ECG Signals	Fatima Waheed Abdullah
3	01:30 – 01:45	ICIDST_44	Development of an electro-hydraulic elevator system controlled by PID and PLC	Maryam Ali Karim
4	01:45 – 02:00	ICIDST_112	Analysis of Artificial Intelligence Techniques in Predicting Closing Stock Prices “An Applied Study on the Iraq Stock Exchange	Noor Ahmed Abdullah
5	02:00 -02:15	ICIDST_XXX	-	
6	02:15– 02:30	ICIDST_XXX		
	02:30 -03:00	Discussion		



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Session No.	Session 1	Session Track	Digital Systems	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Asst. Prof. Dr. Ahmed A. Akbar	Coordinator	Dr. Huda M. Sabbar	Venue: IC 6

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_10	A Novel Approach for Predicting and Optimizing Aluminum Alloy Wear Resistance Using Machine Learning	Riyadh Nazar Ali
2	9:15– 9:30	ICIDST_15	Surface Integrity Enhancement of Turbine Compressor Blades Using Silicon Carbide Abrasives in Magnetic Finishing: Toward a Predictive Maintenance and Life-Extension Approach	Baraa M.H. Albaghdadi
3	9:30 – 9:45	ICIDST_17	Experimental Investigation of Product Dimensional Accuracy in Wire Electrical Discharge Machining Process	Malak Hussein Jabbar
4	9:45 – 10:00	ICIDST_69	AI-Driven Comparative Analysis of Lossless Text <u>Data Compression Techniques for Intelligent Digital Systems</u>	Huda Hashim Raheem
5	10:00 -10:15	ICIDST_91	AI-Driven Data Rate Reduction Based on Hybrid Source Code Compression Techniques for Intelligent Digital Systems	Huda Hashim Raheem
6	10:15– 10:30	ICIDST_101	AI-Powered Hybrid Unsupervised Segmentation of Lung CT Images Using SKICU-Net with Attention and Multi-Stage Mask Optimization	Raed Hamid
7	10:30– 10:45	ICIDST_137	Influence of Laser Energy on the Structural and Optical Characterization of CdO:Fe3O4 Nanoparticles Prepared by PLD	Wasan Taha
Discussion				



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Session No.	Session 2	Session Track	Space Technology	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Prof. Dr. Adnan N. Jameel	Coordinator	Ali A. Nadhim	Venue: IC 7

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_16	Hybrid Control of Nonlinear Aircraft Rolling Dynamics with PSO Enhanced SMC and LQR	Mokdad Hayawi Rahman
2	9:15– 9:30	ICIDST_26	Intelligent Modeling of Electron-Hole Recombination Voltage and Current Losses for Photovoltaic Multi-crystalline Solar Module	Hassanein Saady Hussein
3	9:30 – 9:45	ICIDST_50	A hybrid methodology based on wavelet transformation and deep neural networks to achieve higher accuracy in stock price prediction	Tamar Maytham Saeed
4	9:45 – 10:00	ICIDST_85	Development and Deployment of an Embedded Ethernet Controller Leveraging Spatial Parallelism on FPGA for Enhanced Concurrency	Hiba Mohanad Isam
5	10:00 -10:15	ICIDST_117	Parametric Investigation of Static Aeroelastic Behavior in Composite Wing Structures	Mokdad Hayawi Rahman
6	10:15– 10:30	ICIDST_134	Soft Switching Based Intelligent Technique for Battery Control with Voltage Boost Converter	anmar jhad rajab
7	10:30– 10:45	ICIDST_61	Intelligent Digital System in Flow Control Techniques to Reduce Acoustic Interaction Noise	Yasir al-okbi
8	10:45-11:00	ICIDST_102	Progress and Development of Control Signals in Drones	Yasir Al-Okbi
Discussion				



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Session No.	Session 3	Session Track	Modeling and Simulation	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Prof. Dr. Salah S. Abed Al-Kareem	Coordinator	Dr. Mohammed F. Abd	Venue: DM1

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00-9:15	ICIDST_23	Smart Monitoring System for Paralysis and Coma Patients	Alaa A Aldoori
2	9:15-9:30	ICIDST_41	Precision in Hip Implants: Predictive Model for Femoral Head Diameter in Surgical Planning	Sajjad Abbas ali
3	9:45-10:00	ICIDST_49	Modeling and Simulation of OPL Implant System for Above Knee Osseointegration Prosthesis	Aseel kareem ahmed
4	10:00-10:15	ICIDST_132	Intelligent Systems for Surgical Planning and Outcome Prediction in Impacted-Tooth Management: A Systematic Review	Abbas AlZubaidi
5	10:15-10:30	ICIDST_128	ZnO-Based Nanosensors for Detecting Ethanol and Acetone for Environmental and Public Health Monitoring	Yousif A. O. Ibrahim
6	10:30-10:45	ICIDST_141	Synthesis and characterization of the Zn@Sn core-shell nanoparticles prepared by Micro Plasma Jet: Evaluation of Prostate cancer cell	Aya K. Mahmood
7	10:45-11:00	ICIDST_187	An Intelligent Approach to Medical Data Quality Enhancement Using Hybrid Anomaly Detection Techniques	Saja Basheer Attallah
Discussion				



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Session No.	Session 4	Session Track	Applied Mechanics	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Prof. Dr. Tahseen F. Abbas	Coordinator	Dr. Abduljalil H. Majeed	Venue: DM 2

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_90	Effects of Infill Ratio and Printing Orientation on the Mechanical Properties of 3D Printed Poly Lactic Acid Samples: An Experimental Study	Aseel Abbas Hameed
2	9:15– 9:30	ICIDST_99	Fabrication and Characterization of (Extracted Fish Collagen I/ Hydroxyapatite Nanoparticles) Scaffold for Skin Tissue Engineering	Sally AbdulHussain Kadhum
3	9:30 – 9:45	ICIDST_103	Modeling, Simulation, and Control-Based Disturbance Observer and Suppression for Vibrating Intelligent Automated Cutting Robots in industry 4.0	Izzat Al-Darraj
4	9:45 – 10:00	ICIDST_156	Comparative Study of Hyper PLA and PLA-CF Filaments Under FDM Parameters for Sustainable Additive Manufacturing	Mohaned S. J
5	10:00 -10:15	ICIDST_161	Enhancements of Survival Rates in Total Ankle Replacement (TAR): The Role of CAD and 3D Printing in Implant Enhancement and Longevity of the Implants	Shen N. Kamil
6	10:15– 10:30	ICIDST_78	Impact Strength of Hybrid Composites of Epoxy with Sustainable Chopped Fibers and Nanomaterial	Samaher Mohey Fahad
7	10:30– 10:45	ICIDST_XXX		
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Session No.	Session 5	Session Track	Thermal Engineering	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Prof. Dr. Mohsin A. Al-Shammari	Coordinator	Khalid M. Sowoud	Venue: DM 3

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_33	Dynamic Modeling and Simulation of Boilers of Thermal Power Stations	Hamed Shaker
2	9:15– 9:30	ICIDST_63	Numerical Investigation of a Solar-Driven Falling Film Humidifier for Water Desalination Applications	Ali Yassen
3	9:30 – 9:45	ICIDST_74	Enhancement the Thermal Performance of Solar Air Collector using A Hemispherical Absorber	Sahar I. Ali
4	9:45 – 10:00	ICIDST_94	Energy-Efficient Solar Desalination in Iraq: Experimental Study on the effect of Water Depth on the performance of a Single-Slope Solar Still	Mohanned M. Matti
5	10:00 -10:15	ICIDST_122	Augmentation of the Performance and Correlation of Heat Transfer Development in a Wavy Channel with Different Wave Amplitudes	Dhamyaa S. Khudhur
6	10:15– 10:30	ICIDST_133	"Numerical Investigation of Back Pressure Ratio Effect on Compressible Flow of Convergent – Divergent Duct	Khalid M. Sowoud
7	10:30– 10:45	ICIDST_XXX		
	10:45 -11:00	Discussion		



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Session No.	Session 6	Session Track	Modeling and Simulation	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Asst. Prof. Dr. Salim F. Salman	Coordinator	Talib A. Jasim	Venue: TM A06

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_104	Reducing the Vibration of Automobiles using Smart Damper (Experimental Approach)	Ahmed M.A. Al-Khafaji
2	9:15– 9:30	ICIDST_108	Arabic Fashion Image Captioning Using CNN and Attention-Based Recurrent Networks	Shams Ali Ahmed
3	9:30 – 9:45	ICIDST_115	Developing a videogrammetric approach for forensic evidence	Suhair Abduljaleel Imran
4	9:45 – 10:00	ICIDST_144	Simulation and Performance Evaluation of a VLC System for Intelligent Transportation in Underground Tunnels	Sarmad R. Ramzi
5	10:00 -10:15	ICIDST_148	Intelligent Analysis of Potassium Addition on Phosphorus Availability from Rock Phosphate and NPK Levels in Soil and Plants	Amna Jasim Hadi Al-Mamouri
6	10:15– 10:30	ICIDST_XXX		
7	10:30– 10:45	ICIDST_XXX		
	10:45 -11:00	Discussion		



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Session No.	Session 7	Session Track	Sustainable	Date and Time
				Thursday, June 26 th 2025 09:00 AM – 11:00 AM
Chairman	Asst. Prof. Dr. Jamal F. Tawfeq	Coordinator	Dr. Humam J. Kazem	Venue: TM A07

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00– 9:15	ICIDST_70	Design and Simulation of a Solar-Powered Humidifier–Dehumidifier System for Enhanced Water Distillation	Noha Dherar Jassem
2	9:15– 9:30	ICIDST_87	Experimental Investigation of a Sustainable Triple Flow Solar Air Collector Enhanced with Spiral Fins	Noor Jasim Hmeyem
3	9:30 – 9:45	ICIDST_150	AI-Enhanced Structural Design and Wind Load Simulation of Smart PV-Powered Systems Utilizing ANSYS for Sustainable Infrastructure	Tabarak wisam fakhri
4	9:45 – 10:00	ICIDST_160	Integration of Artificial Intelligence and Metal-Organic Frameworks in Biomedical Applications: Mini review	Muntadher Msebawi
5	10:00 -10:15	ICIDST_174	Explainable and Optimized Light GBM Model for Early Heart Disease Prediction	Ahmed Noori Ahmed AL-GBURI
6	10:15– 10:30	ICIDST_179	Smart AI System for Measuring Asphalt pavement Cracks	Maan Alobaidi
7	10:30– 10:45	ICIDST_XXX		
	10:45 -11:00	Discussion		



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Session No.	Session 1	Session Track	Artificial Intelligence	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Samir A. Amin	Coordinator	Ibtihal Salman Hussien	Venue: DM 1

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_28	Multi-Objective Optimization of Ultra High Strength Steel Laser Cutting Parameters Utilizing the Taguchi-Grey Approach	Dr.Tahseen F. Abbas
2	11:15-11:30	ICIDST_29	Proper NDT Device for Inspecting the Reinforced Concrete of The Bridge Deck	Ali Ibrahim Saleh
3	11:30-11:45	ICIDST_95	Numerical Study of an Indirect Solar Dryer for Crop Drying with baffles at Iraq Climate Conditions	Ahmed Ali Obaid
4	11:45-12:00	ICIDST_155	An Intelligent Digital Simulation Model for Epidemic Spread Analysis Using SIR Equations	Al Husna Baqir Hameed
5	12:00-12:15	ICIDST_171	Effect of Working Fluid Selection on the Efficiency of Solar-Driven Absorption Refrigeration Systems	Salah Ali Daoud
6	12:15-12:30			
Discussion				



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Session No.	Session 2	Session Track	Communications	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Ayman M. khodayer	Coordinator	Dr. Hiba M. Isam	Venue: DM 2

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_25	A Survey of Hybrid Optical Wireless Communication System: WDM-ROF Based Communication System Wide-Band Erbium Doped Fiber Amplifier For 5G Application	Jaafar Jalil Shakier
2	11:15-11:30	ICIDST_67	An Analysis of Ankle Exoskeletons in Comparison: Digital Modeling and Design Considerations	Ayat Abdullah Nathim
3	11:30-11:45	ICIDST_73	Analysis and comparison of D2D resource allocation strategies to optimize network resources and coverage	Omer Mohammed Khodayer
4	11:45-12:00	ICIDST_121	Benchmarking Seven ML Algorithms for Network Traffic Classification in Digital Forensics	Ruslan Salem Naseef
5	12:00-12:15	ICIDST_XXX		
6	12:15-12:30	ICIDST_XXX		
7	12:30-12:45	ICIDST_XXX		
8	12:45-1:00	ICIDST_XXX		
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Session No.	Session 3	Session Track	Aerospace and Space Technology	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Muqdad H. Rahman	Coordinator	Balsam H. Abed	Venue: IC 6

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_106	The impact of sustainable diversity based on artificial intelligence technologies in transforming public urban spaces from the transience to the permanence	Dalya Raad Zaidan
2	11:15-11:30	ICIDST_140	Buckling Analysis of Aircraft Composite Wing Using Analytical and FEM Approaches	Tarik Hassan Elsonni
3	11:30-11:45	ICIDST_157	Methodology for analyzing acoustic-vibration signals from marine engines	Maarouf Ahmad
4	11:45-12:00	ICIDST_158	Enhancing the Crashworthiness and Structural Response Analysis of UAVs in the Landing Phase	Tarik Hassan Elsonni
5	12:00-12:15	ICIDST_20	Feasibility of Using Passive Radar to Detect Drones	Yasir Al-Okbi
6	12:15-12:30	ICIDST_60	Intelligent Systems and Control for Sustainable Building Design Technology	Yasir al-okbi
7	12:30-12:45			
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Session No.	Session 4	Session Track	Artificial Intelligence	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Majad A. Ali	Coordinator	Abdullah A. Ameen	Venue: DM 3

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_89	EfficientNetB7-Based Multi-Class DDoS Detection Enhanced by Emperor Penguin Feature Selection	Kadhim Jawad Almashat
2	11:15-11:30	ICIDST_105	AI-Based Hilbert Huang Model for Audio Signals Denoising	Aaid Mohammed Ameer
3	11:30-11:45	ICIDST_142	Predicting Agricultural Companies' Returns in Iraq Using Artificial Intelligence	Faisal Ghazi Faisal
4	11:45-12:00	ICIDST_162	Electrical Load Forecasting using Multi Techniques of Machine Learning	Mohammed fowzi Teleb
5	12:00-12:15	ICIDST_181	Classification of low-contrast medical images based on Deep learning and Feature Fusion Techniques	Rasha Jasim
6	12:15-12:30	ICIDST_218	DDoS Attack Type Detection Based on DeepInsight-Driven Visual Transformation and EfficientNetB7	Kadhim Jawad Almashat
7	12:30-12:45	ICIDST_XXX		
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Session No.	Session 5	Session Track	Computer Networks	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Luai H. Skif	Coordinator	Sara Saad Mohammed	Venue: IC 7

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_21	Optimized PQDS Transmission in WDM Fiber Systems for Secure Digital Infrastructure	Marwa M. Hamood
2	11:15-11:30	ICIDST_40	An AI-Driven DDoS Detection Model for Container Security	Sabreen Hakim Malk
3	11:30-11:45	ICIDST_71	Adaptive AI-Powered Task Scheduling in Multi-Core Systems Using Mountain Gazelle Optimizer	Ali Qasem Ahmed
4	11:45-12:00	ICIDST_83	The Opportunities of Massive MIMO with Deep Learning for Channel Estimation in the AI Era	Sara Saad Mohammed
5	12:00-12:15	ICIDST_96	Long-Distance Power and Data Transmission for 5G NR Systems Using Power over Fiber Technology	Ali Saad Swalih
6	12:15-12:30	ICIDST_120	AI-Based Joint Source-Channel Coding for Efficient Digital Communication Systems	Huda Hashim Raheem
7	12:30-12:45	ICIDST_200	Towards a novel and innovative design of conformal patch antenna for intelligent airborne traffic collision and avoidance systems	Yasmin Razaq Hamed
8	12:45-1:00	ICIDST_XXX		
Discussion				



Technical Program Schedule and Contents

Session No.	Session 7	Session Track	Artificial Intelligence	Date and Time
				Thursday, June 26 th / 2025 11:00 AM – 01:00 PM
Chairman	Asst. Prof. Dr. Abbas F. Abbas	Coordinator	Halah Issa Fadhil	Venue: TM A07

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	11:00-11:15	ICIDST_194	A Review of Recent Studies in Pruning Techniques for Accelerators	zainab abdukkareem kadhim
2	11:15-11:30	ICIDST_195	A Review of LLC Resonant Converters in Sustainable Photovoltaic Systems: Applications, Design Strategies, and Control Techniques	Nadheer M. Mohammed
3	11:30-11:45	ICIDST_197	Assessing the Hedging Efficacy of Basra Crude in Relation to Brent Crude Pricing: An Artificial Intelligence Enhanced Regression Approach	Zeena Abdul-Salam Hassan
4	11:45-12:00	ICIDST_199	Geotechnical Evaluation of Recycled Plastic-Stabilized Clay: Integrating Experimental Work, Numerical Simulation, and Artificial Intelligence	Evan Emad Al-Khalidi
5	12:00-12:15	ICIDST_201	Development and Simulation of an Intelligent Ankle Support System for Rehabilitation	AyatAbdullah Nathim
6	12:15-12:30	ICIDST_206	Multilingual Cybercrime Detection Using Transformer-Based NLP Models on Dark Web and Messaging Platforms: A Forensic Evaluation	Hussein Mousa Hassan
7	12:30-12:45	ICIDST_XXX		
	12:45-01:00	Discussion		



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Technical Program Schedule and Contents

Session No.	Session 6	Session Track	Online Session	Date and Time
				Thursday, June 26 th / 2025 9:00 AM – 01:00 PM
Chairman	Dr. Omer M. khodayer	Coordinator	Omar T. Yaseen	Venue: TM A04

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00-9:15	ICIDST_7	Bengali Text Classification: An Evaluation of Large Language Model Approaches cse.mahmud.evan@gmail.com	Md Mahmudul Hoque
2	9:15-9:30	ICIDST_52	CFD Analysis of Energy Promoter Configurations for Turbulent Drag Reduction in Circular Pipe oday.abdullah@tuhh.de	Feguir Abdelmadjid
3	9:30-9:45	ICIDST_113	BANGLA MUSIC GENRE CLASSIFICATION USING BIDIRECTIONAL LSTMS cse.mahmud.evan@gmail.com	Md Mehedi Hassain
4	9:45-10:00	ICIDST_80	Real-Time Monitoring and Communication System Using Li-Fi for Improved Safety in Underground Mines oday.abdullah@tuhh.de	Kalapraveen Bagadi
5	10:00-10:15	ICIDST_46	A Comparative Study of CFD and BEM Approaches for Optimizing Wind Turbine Performance oday.abdullah@tuhh.de	Khalil Deghoum
6	10:15-10:30	ICIDST_110	Passivity-Based Control for Motion Stabilization of a Cart-Pole System Using Port-Hamiltonian Dynamics oday.abdullah@tuhh.de	Hayder F. N. Al-Shuka
7	10:30-10:45	ICIDST_111	IOT TOWARDS SOLAR-POWERED UNMANNED AERIAL VEHICLE FOR REAL TIME MONITORING FOR FIRE DETECTION IN FOREST AREA oday.abdullah@tuhh.de	M. N. Mohammed
Discussion				



Technical Program Schedule and Contents

Session No.	Session 6	Session Track	Online Session	Date and Time
				Thursday, June 26 th / 2025 9:00 AM – 01:00 PM
Chairman	Dr. Omer M. khodayer	Coordinator	Omar T. Yaseen	Venue: TM A04

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
8	11:00-11:15	ICIDST_164	A Review of Advanced Control Techniques for Non-Isolated DC-DC Converters in Intelligent Electric Vehicle Charging Systems	Alya Hamid Ali
9	11:15-11:30	ICIDST_191	Generating feature extraction using k-means algorithm for KNN model classifier by using AI	Nidhal Hasan Hasaan
10	11:30-11:45	ICIDST_214	Enhancing Sentiment Analysis of short text Using Transformer-Based Models	Tuqa Najah
11	11:45-12:00	ICIDST_xxx		
12	12:00-12:15	ICIDST_xxx		
13	12:15-12:30	ICIDST_xxx		
14	12:30-12:45	ICIDST_xxx		
Discussion				



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Technical Program Schedule and Contents

Session No.	Session 8	Session Track	Online Session	Date and Time
				Thursday, June 26 th / 2025 9:00 AM – 01:00 PM
Chairman	Dr. Ahmed A. Ebraheem	Coordinator	Ahmed Noory	Venue: TM A05

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
1	9:00-9:15	ICIDST_11	Handwritten Recognition Systems: A Survey of Preprocessing Techniques, Feature Extraction, and Classification Algorithms	Nabaa Mohamed Alsamak
2	9:15-9:30	ICIDST_12	Handwritten Based Person Identification using AI	Nabaa Mohamed Alsamak
3	9:30-9:45	ICIDST_38	Visual Sentiment Analysis in Social Networks: A Rapid Review	Dunya Jasim Mohammed
4	9:45-10:00	ICIDST_54	Deep Learning for Stuttering Classification on UCLASS and Arabic Datasets	Hanan Zahed
5	10:00-10:15	ICIDST_59	Real-Time Detection and Monitoring System for Nitrogen Dioxide, Alcohol, Carbon Monoxide, Hydrogen and Methane Pollutants Based on IOT Technologies	Mosab Jasim Mohammed
6	10:15-10:30	ICIDST_62	Effects of Laser Processing on Fatigue Toughness and Electrical Conductivity of Al-7075 Aluminum Alloy with Silicon Carbide Nanoparticles: An Experimental and Numerical Study	Intethar Jameel Farhood



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Technical Program Schedule and Contents

Session No.	Session 8	Session Track	Online Session	Date and Time
				Thursday, June 26 th / 2025 9:00 AM – 01:00 PM
Chairman	Dr. Ahmed A. Ebraheem	Coordinator	Ahmed Noory	Venue: TM A05

Presentation Schedule of Contributory Papers

No.	Time	Paper ID	Paper Title	Presenter
7	10:30-10:45	ICIDST_88	A Machine Learning Approach for Multi-Class Obesity Classification and Early Intervention	Mustafa Muslih Shwaysh
8	11:00-11:15	ICIDST_92	Energy-Efficient Autonomous UAV Navigation Strategies Using Proximal Policy Optimization	Ayad Saadi Ahmed
9	11:15-11:30	ICIDST_129	Advances and Applications of Thermoelectric Cooling Technologies: A Comprehensive Review	Zinah Salman
10	11:30-11:45	ICIDST_131	Hybrid Communication Networks Analysis for Smart Electrical Substation Automation According to IEC 61850	Mohammed A. Abdulnabi
11	11:45-12:00	ICIDST_149	AI-Driven Cluster Head Selection and Bio-Inspired Secure Routing for Energy-Efficient Wireless Body Sensor Networks	Tuqa kareem jebur
12	12:15-12:30	ICIDST_XXX		
13	12:30-12:45	ICIDST_XXX		
			Discussion	



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**The Hospitality Program includes a
lunch at 01:00 PM
for conference participants,
supervisors,
and notable guests.**