



# وقائع

المؤتمر العلمي الدولي

## NUSTPAS2

مؤتمر الجامعة الوطنية للعلوم والتكنولوجيا  
الدولي العلمي الثاني للعلوم الهندسية  
وبالشراكة مع جامعة ذي قار

تحت شعار

" البحث العلمي اساس ارتقاء البلدان "

5-6 May 2024

📍 Dhi Qar, Iraq - THE NATIONAL UNIVERSITY - OF SCIENCE AND TECHNOLOGY

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+964 781 916 6679

مؤتمـر الجامعة الوطنية للعلوم والتكنولوجيا  
الدولي الدوري الثاني للعلوم الهندسية 2024

The National University of Science and Technology  
International Conference for Engineering Sciences



# فعاليات الأفتتاح

## First day schedule

### Sun. May 5<sup>th</sup>, 2024

بهُو الإدارة المحلية 

في تمام الساعة العاشرة من صباح يوم الأحد الموافق 2024/5/5 

رابط المؤتمر: (www.nustpas.com) 





The National University of Science and Technology International Conference for Engineering Sciences  
مؤتمر الجامعة الوطنية للعلوم والتكنولوجيا الدولي الثاني للعلوم الهندسية 2024



# برنامج المؤتمر

# Conference Schedule



## Inauguration Program

## اولا: منهاج الافتتاحية

Time	Details	التفاصيل	Time
10:00 Am -10:05 Am	Welcome Address to NUSTPAS-2024 Conference	الترحيب والافتتاح	5 Minutes
10:05 Am -10:08 Am	The Holy Quran	قراءة آيات من القرآن الكريم	3 Minutes
10:08 Am -10:11 Am	Surat Al-Fatihah (Holy Quran)	قراءة سورة الفاتحة	3 Minutes
10:11 Am - 10:14 Am	Playing National Anthem Songs of IRAQ	النشيد الوطني العراقي	3 Minutes
10:14 Am -10:20 Am	Speech by the representative of the Ministry of Higher Education and Scientific Research, the general supervisor of the conference, and the President of Dhi Qar University, Prof. Dr. Yahya Abdul Redha Al-Khafaji	كلمة ممثل وزارة التعليم العالي والبحث العلمي و المشرف العام للمؤتمر و رئيس جامعة ذي قار ا.د يحيى عبد الرضا الخفاجي	5 Minutes
10:20 Am – 10:25 Am	Speech of the Governor of Dhi Qar	كلمة السيد محافظ ذي قار	5 Minutes
10:25 Am – 10:30 Am	Speech of the President of the Conference, Prof. Dr. Abdul Razzaq Laibi Al-Rubaie (University President)	كلمة السيد رئيس المؤتمر ا.د عبد الرزاق لعبيبي الربيعي (رئيس الجامعة)	5 Minutes
10:30 Am – 10:35 Am	Speech by the Chairman of the Conference Preparatory Committee, Prof. Dr. Falah Hassan Al-Asadi	كلمة رئيس اللجنة التحضيرية للمؤتمر ا.د فلاح حسن الاسدي	5 Minutes
10:35 Am – 10:40 Am	Speech by the President of the Federation of Iraqi Chambers of Commerce, Mr. Abdul Razzaq Al-Zuhairi, and the representative of the parties supporting the conference	كلمة السيد رئيس اتحاد الغرف التجارية العراقية الأستاذ عبد الرزاق الزهيري والممثل عن الجهات الداعمة للمؤتمر	5 Minutes
10:40 Am – 11:45 Am	Show an introductory video clip about Dhi Qar University	عرض فيديو تعريفى عن جامعة ذي قار	5 Minutes
10:45 Am – 11:50 Am	Showing an introductory video about the National University	عرض فيديو تعريفى عن جامعة الجامعة الوطنية	5 Minutes
11:50 Pm – 12:15 Pm	The introductory introduction to the International Scientific Conference for Engineering Sciences is delivered by: Assist. Prof. Dr. Ahmed J. Obaid	المقدمة التعريفية عن المؤتمر العلمي الدولي للعلوم الهندسية يلقيها: ا.م.د احمد عبيد الجنابى م.م محمد اياد الخفاجي	20 Minutes
12:12 PM – 1:00 PM	Opening session	الجلسة الافتتاحية	45 Minutes



The National University of Science and Technology International Conference for Engineering Sciences  
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Time	Details	التفاصيل	Time
1:00 Pm – 2:00 Pm	Lunch break at National University of Science and Technology	استراحة الغداء في الجامعة الوطنية للعلوم والتكنولوجيا	1 Hour
2:00 Pm – 4:00 Pm	Opening sessions for the first day at the National University of Science and Technology	افتتاح الجلسات لليوم الاول في الجامعة الوطنية للعلوم والتكنولوجيا	2 Hour
10:00 Am – 12:00 Pm	Sessions for the second day at University of Thi Qar	الجلسات لليوم الثاني في جامعة ذي قار	2 Hour
12:00 Pm – 12:30 Pm	The closing session at University of Thi Qar	الجلسة الختامية في جامعة ذي قار	30 Minutes







## المقدمة التعريفية عن المؤتمر العلمي الدولي للعلوم الهندسية

### Introduction to the International Scientific Conference for Engineering Sciences

Time	Picture	Speaker Name	Presentation title	Time
11:55 Am 12:05 Pm		<b>Assist. Lect. Mohammed Ayad Alkhafaji</b> Head of the Scientific Affairs Department at the National University of Science and Technology in Dhi Qar	Scientific research is the basis for the development of countries	10 Min
12:05 Pm 12:15 Pm		<b>Assist. Prof. Dr. Ahmed J. Obaid</b> College of Science, University of Kufa, Department of Computer Science	The impact of scientific research in raising university rankings	10 Min



## Inauguration Session

## ثانيا: الجلسة الافتتاحية

<b>Session Chair</b>	رئيس الجلسة	<b>Assist. Prof. Dr. Ahmed J. Obaid</b>
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Assist. Lec. Mohammed Ayad Alkhafaji</b>

### Join Information – معلومات الدخول

<b>Zoom Link</b>	
<b>Meeting ID:</b>	
<b>Pass Code:</b>	

Time	Picture	Speaker Name	Presentation title	Time
12:15 Pm 12:15 Pm		<b>Prof. Dr. Monim H. Khalf Al-Jiboori</b> Department of Atmospheric sciences, College of Science, Mustansiriyah university	Causes and Effects of Water Pollution on the Environment and Humans	15 Min
12:30 Pm 12:45 Pm		<b>Prof. Dr Mohammed Jawad Salih Al-Haidarey</b> Head of the Environment Department at the College of Science, University of Kufa	The role of engineering sciences in climate change	15 Min
12:45 Pm 1:00 Pm		<b>Prof. Dr. Hussein Hadi Musa</b> Dhi Qar University	The Potential of Tissue Engineering of Revolutionizing Healthcare with Biofabrication	15 Min

افتتاح جلسات المؤتمر لليوم الاول في الجامعة الوطنية للعلوم والتكنولوجيا في ذي قار  
 Opening of the conference sessions for the first day at the National  
 University of Science and Technology in Dhi Qar

<b>Session Chair</b>	رئيس الجلسة	<b>Assist. Prof. Dr. Saleem A. Mohammed</b>	
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Dr. Mazin H. Alhameed</b>	
<b>No of Papers</b>	عدد البحوث	<b>8</b>	
<b>Session Time</b>	وقت الجلسة	<b>2:00 Pm</b>	
<b>Join Information – معلومات الدخول</b>			
مكان الجلسة		<b>الجامعة الوطنية للعلوم والتكنولوجيا National University of Science and Technology</b>	
<b>Track Name</b>		<b>Environmental Engineering Water Resources Engineering</b>	
<b>T</b>	<b>ROOM 1</b>		
	<b>Paper ID</b>	<b>Authors Names</b>	<b>Paper Title</b>
1	5	Nabaa Qassim Kadhem	Assessment of Heavy Metals Contamination Levels in Medical Wastes of Selected Hospitals in Baghdad
2	34	Ahmed S. Abd Askar	Using of Hydrogen Peroxide Applications in the Treatment of a Petroleum Refinery Industrial Wastewater- Nasiriyah –Iraq
3	58	Mohammed H. Dakheel	Numerical and Experimental Investigation of Main Parameters Affecting the Performance of Micro Gravitational Water Vortex Turbine
4	64	Ansam D. Hussein	Treatment of heavy metals from industrial wastewater in Iraq using the reverse osmosis (RO) technique





5	69	Noor mohammed salem	Fly ash based geopolymer as an adsorbent for removal of dye from synthetic wastewater
6	118	Saad Saleh Dheyab	Impact of climate change on evaporation in mosul dam reservoir-iraq
7	136	Hanaa H Khalaf	Spatially distributed model for water quality in Al-Masab Al-Aam in Iraq
8	147	Abd-Albaqer Qahtan Habeeb	Spatial variation of texture characteristics in the soil of the Silty Plain in the Najaf Governorate





<b>Session Chair</b>	رئيس الجلسة	<b>Assist. Prof. Dr. Ahmed Dinar</b>
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Dr. Muntadher Mohammed Jaber</b>
<b>No of Papers</b>	عدد البحوث	<b>14</b>
<b>Session Time</b>	وقت الجلسة	<b>2:00 Pm</b>
<b>مكان الجلسة</b>		<b>الجامعة الوطنية للعلوم والتكنولوجيا National University of Science and Technology</b>
<b>Join Information – معلومات الدخول</b>		
<b>Track Name</b>		<b>Construction Management Construction Materials and Transportation Architectural Engineering</b>
<b>T</b>	<b>ROOM 2</b>	
	<b>Paper ID</b>	<b>Authors Names</b>
	<b>Paper Title</b>	
1	36	Yasser Sahib Nassar
2	46	Dhuha Khalid Hassooni
3	48	Ebtehal Khalid hameed
4	122	Reem khalaf Abtan
5	141	Muntaha Hameed Battah
		Investigating and Analyzing Corruption Risk Factors and Their Impact on Construction Projects
		Analyzing Traffic Accident Trends and Correlations in Iraq: An Investigative Statistical Approach
		Study Fatigue Behavior of Modified Asphalt Mixture Layer
		Smart Sustainable Transpiration Index for Ramadi Districts Using AHP Method
		Enhancement of intrusion detection system by Reduction false alerts using data mining Techniques

6	172	Nahla Naji Hilal	Availability of improving the performance of asphalt by adding biomedical waste plastic
7	174	Noor Salah jasim	Improvement of the Performance of Links with On-Street Parking Using Traffic Micro-Simulation VISSIM: 40th Street as a Case Study
8	192	Noor Alhuda Hamza Ajeel	Behavioural patterns in healing environments
9	195	haneen hayder mueen	Assessing Strengthening Techniques for Enhancing Airport Pavement Performance with Subgrade Voids Problems: A Finite Element Analysis Case Study of Al-Najaf International Airport Runway
10	219	Zainab Hamid Mohson	The role of urban design in solving the problem of solid waste in the city of Karbala



<b>Session Chair</b>	رئيس الجلسة	<b>Dr. Hussein Hadi Mussa</b>	
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Dr. Salam Jumma Hammad</b>	
<b>No of Papers</b>	عدد البحوث	<b>9</b>	
<b>Session Time</b>	وقت الجلسة	<b>2:00 Pm</b>	
<b>مكان الجلسة</b>		الجامعة الوطنية للعلوم والتكنولوجيا <b>National University of Science and Technology</b>	
<b>Join Information – معلومات الدخول</b>			
<b>Track Name</b>		<b>Prosthetics, Orthotics, and Biomedical Engineering, Soil Mechanics                  Soil-Structure Interactions</b>	
<b>T</b>	<b>ROOM 3</b>		
	<b>Paper ID</b>	<b>Authors Names</b>	<b>Paper Title</b>
1	4	Fatin J. AL-Dulaime	Construction of 3D Model for Knee Joint Based on Reverse Engineering of Geometric Modeling; a Systematic Literature Review
2	6	Sarah Duraid AlQaissi	Systematic Literature Review on 3D modelling, Visualization, and Additive Manufacturing technologies for Below-knee Prosthetic Devices
3	27	rehab kadhim raheem	Novel ternary zinc(II) complexes comprising 1,10-phenanthroline and Schiff bases generated from 4-(Diethylamino)salicylaldehyde and characterized spectroscopically
4	107	Ahmed A. Moosa	Voltammetric Detection of Zinc, Aluminum, and Mercury in Tap Water and Blood Using Glassy Carbon Electrode Modified with EG-CeO <sub>2</sub> NPs
5	119	Wisam shareef irzooqi	Examining The Biological Effects of Platinum Metal Complexes and Its Derivative DFT/Calculations
6	137	Alaa Khalid Abd Al-reda	Titania Coating for Biomedical Applications On 2205 Duplex Stainless Steel Substrate Using The Sol Gel Technique
7	170	Ahlam M. Kadhim	Heart Disease Detection Using CNN Algorithms Based on Deep Learning Models



8	193	Murtadha Hadi Athab	Determination of Cefotaxime-sodium at nanoscale level by a microflow injection cell via measuring turbidity using five irradiation sources (WSLEDs) with a single solar cell
9	209	Bassam Mazead Shamkhy	Evaluation of Ultrasonic and Doped Nanoparticles Activity in Cellulase Enzyme Efficiency.
10	146	Sarah Naeem Abdl-Hassan	The impact of sawdust on the fertility properties of various soil textures, growth, and yield of sunflower plants ( <i>Helianthus annuus L.</i> ).
11	179	Riyad E. Abed	Effect of Heat Transfer on Settlement in the Soft Clay soil of the City of Nasiriyah
12	228	Shurooq salam saod	Ground improvement using granular pile anchor foundation



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# فعاليات اليوم الثاني

Second day schedule

**Mon. May 6<sup>th</sup>, 2024**

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## الجلسات العلمية لليوم الثاني ستم في كلية الهندسة جامعة ذي قار

The scientific sessions for the second day will take place at  
 the College of Engineering, Dhi Qar University

<b>Session Chair</b>	رئيس جلسة	<b>Prof. Dr. Rafid M. Hannon</b>
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Assist. Lect. Hussan Yahya Nasser</b>
<b>No of Papers</b>	عدد البحوث	<b>29</b>
<b>Session Time</b>	وقت الجلسة	<b>10: 00 Am</b>
مكان الجلسة		كلية الهندسة جامعة ذي قار <b>collage of Engineering, University of Thi Qar</b>
<b>Join Information – معلومات الدخول</b>		
<b>Track Name</b>		<b>Mechanical Engineering</b>
<b>T</b>	<b>ROOM 1</b>	
	<b>Paper ID</b>	<b>Authors Names</b>
	<b>Paper Title</b>	
1	3	Rusel A. Al-Rikaby
2	8	Anwer A.Abass
3	11	Eman A. Hummood
4	18	Sarmad A.Jassem
5	21	Ali Kareem Mohammed
6	42	Ahmed M. Hassan
7	51	Mamoon Ahmed
		Investigating a Stand-Alone solar air conditioner using The PVSYST Software
		Type of Microwave Sensor in Review
		Numerical study of the effects of design parameters on the performance of earth to air heat exchanger used for cooling of air compressor in oil pipe lines
		Investigating the Feasibility of Integrating Hydrogen Gas into Gasoline Fuel for IC Engines and Pollutants
		Limitations of the parabolic dish and receiver (solar reactor) that affect the efficiency of the solar collector
		Innovative Approach to Thermal Design: Discrete Row-by-Row Technique for FCU Heat Exchangers
		Enhancing the performance of a maximum power point tracking system using an improved particle swarm optimization method

8	66	Ameer Mohammad Al-Shubani	A Numerical investigation on the characteristic of flow and enhancement of heat transfer in a 3D pipe, with various dimple parameter configuration
9	70	Ruqayyah H. Ghani	Studying The Effect of Matrix Cracking on The Mechanical Properties of Composite Materials
10	81	Tabarek J. Qasim	Study of Some Properties of Concrete with The Addition of Nano SiO <sub>2</sub> and Nano SiO <sub>2</sub> Microcapsules for Self-Healing
11	84	Mustafa Sabeeh Abood	Enhanced Aerodynamics for Sport Cars Using Inverted Wings: A Comprehensive Review
12	85	Mustafa M.Mansour	Developing Expert System for Defects Diagnostic for Specific Oil Refinery Pipelines
13	86	Mustafa M. Mansour	Numerical Investigation of performance Study of a Solar stepped still using desalination system with cooling
14	87	Mustafa M. Mansour	Investigation of the optimum shape of the fins for maximum heat dissipation
15	106	Eman. R. Bustan	Diagnosing damage to steel structures based on a deep transfer learning algorithm
16	129	Ahmed M. Hassan	Numerical analysis of free convection in an octagonal cavity filled with Cu/water nanofluid and under the influence of MHD and radiation
17	130	Ahmed M. Hassan	Numerical Investigation of Mixed Convection in Nasal Cavity
18	151	Sameer Algburi, Raed Shakir, and R.Shakir	A Comparison of Single-Phase of Heat Transfer in Micro-Channels and Flat Channel Flows (Guess Study)
19	152	Sameer Algburi, Raed Shakir, and R.Shakir	The Calculation of the Heat Path on the Heat Exchanger with the Iteration Method by Using Heat Transfer Equations (Prediction study)
20	181	Ali Radhi Munshid	Impact of Electric Discharge Machining (EDM) Parameters on Al 6063-7.5% SiC Metal Matrix Composite.
21	183	Hussam HakeemQasim	Simulation of Solar Chimney for Ventilation of the Buildings in Basrah City Climate, Iraq
22	186	Mohammed Kareem Salim	Using Solar Collector for Powering BC-MSF Desalination Unit: Performance and Cost Evaluation of an Integrated system for Basrah City Climate, Iraq.
23	187	Duaa Noori Hameed	Experimental Study of Laminar Flame Speed of Hydrogen –Air Mixture with Nitrogen Dilution
24	204	Aya whabe Abd Al-Razzaq	Optimization with a novel hybrid approach (integrating Bayer process and electrowinning process) for Alumina extraction from the cement industry tailing: toward sustainable
25	207	nawar fahem kadhum	Sustainable surface engineering of Ti-6Al-4V alloys for heavy wear applications using micro plasma oxidation modified by environment-friendly electrolytes.



26	211	Ali Hussein Ali	Evaluation of Mechanical Properties of Iraqi Limestone Ore
27	217	Asraa Mahdi Shaker	Nanofluid Mixed Convection in an Enclosure Having Obstacles and Movable Top Surface
28	229	Ghufran Hamza omran	Investigation on Wear Behavior of (AL/PTFE) Functionally Graded Materials for Bearing Applications
29	235	Kadhim K Idan Al-Chlahawi	Exploring the Enhanced Heat Transfer in Flat-Plate Solar Collectors through Metal Foam Blocks: a Numerical Analysis





<b>Session Chair</b>		رئيس الجلسة	<b>Prof. Dr. Mushtaq Ismaeel Hassan</b>	
<b>Session Co-Chair</b>		مقرر الجلسة	<b>Assist. Lect. Najlaa Nasrallah Faris</b>	
<b>No of Papers</b>		عدد البحوث	<b>8</b>	
<b>Session Time</b>		وقت الجلسة	<b>10: 00 Am</b>	
مكان الجلسة		<b>كلية الهندسة جامعة ذي قار collage of Engineering, University of Thi Qar</b>		
<b>Join Information – معلومات الدخول</b>				
<b>Track Name</b>			<b>Remote Sensing and Sustainability</b>	
<b>T</b>	<b>ROOM 2</b>			
	<b>Paper ID</b>	<b>Authors Names</b>	<b>Paper Title</b>	
1	73	Hawazen Hassan Muslim	Assessment of Urban growth and land use with land cover indexes for Al Mijar district in Missan province using Remote Sensing Techniques	
2	103	Riyad E. Abed	A case study on the environmental risks of landfills and environmental pollution.	
3	114	Mohammed Jamal Shakir Almansor	Vessel Berthing System Using Internet of Things (IoT) for Smart Port	
4	115	Athraa Ali Salman	Estimation of Water Volume Variations Using Satellite Image Data in Period (2020-2023): A Case Study of Al hammar marsh	
5	177	Amer A. Chlahawi	Optimal Renewable Energy Management of Partially Shaded Photovoltaic System to Enhance Environmental Sustainability	
6	178	Marwa S. Shamal	Analysis of BOD (Biological Oxygen Demand) in the waters of Al Razzaza Lake, Iraq	



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7	185	Intehaa Abdullah Mohammed Al-Juboury	Remotely Sensed Data and Artificial Intelligence for Prediction Vegetation Dynamics in Fadak Palm Forests
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<b>Session Chair Name</b>	رئيس الجلسة	<b>Assist. Prof. Dr. Jamal Saheb Maky</b>	
<b>Session Co-Chair</b>	مقرر الجلسة	<b>Dr. Mazin Riadh Al hameed</b>	
<b>No of Papers</b>	عدد البحوث	<b>14</b>	
<b>Session Time</b>	وقت الجلسة	<b>10: 00 Am</b>	
مكان الجلسة		كلية الهندسة جامعة ذي قار <b>collage of Engineering, University of Thi Qar</b>	
<b>Join Information – معلومات الدخول</b>			
<b>Track Name</b>		<b>Structural Engineering</b>	
<b>T</b>	<b>ROOM 3</b>		
	<b>Paper ID</b>	<b>Authors Names</b>	<b>Paper Title</b>
1	59	Nagham T. Al-Shafi'i	Experimental Investigation for the Behavior of Sustainable Fibrous Concrete Hollow Core Slabs Rehabilitated by CFRP Sheet
2	78	Ali Fadhil Naser	Dynamic and Modal Responses Evaluation of Precast Prestressed Concrete Skewed U-Girder and Slab Bridge Overpass Al-Daura-Yusufiyah Expressway in Iraq
3	91	Zahraa Kadhim	Experimental And Numerical Analysis Of Pounding Between Two Adjacent Steel Buildings Under Earthquake
4	110	Mohamed. A Abdullah	Strengthening of RC Beams in Shear by NSM – Steel Bars with Geopolymer Adhesive
5	111	Safaa J. Al-Ghazi	Enhancing the Shear Strength of Castellated Double Web Steel Beams Utilizing Self-Compacting Concrete



6	126	Adel H. Awad	Experimental and Numerical Investigation of the Flexural Behavior of Repaired Reinforced Concrete Bridge Girders with Exposed Reinforcements.
7	127	Hassan Flaih Athab	Assessment of Operational Effectiveness and Safety Through the Use of Structural Health Monitoring Technical
8	142	Rahma Ghassan Ibraheem	Post-Fire Strength of Thin-Walled Carbon Steel Bolted Connection
9	157	Zain A. Ali	Concrete slab contribution in composite cellular beams under impact load
10	190	Lateef Sabr Lateef	Punching shear behavior of RC flat slab with opening strengthened embedded bearing plate
11	203	Ziadoon Mohsin Ali	"Flexural Ductility, stiffness and Toughness of Reinforced concrete Beams having Glass Waste Coarse aggregate"
12	205	Munaf Hmeed Madhloom	An Analytical Study of The Flexural Behavior of Reinforced Concrete Deep Beams Using A Section of Cold-Formed Steel Plates
13	234	Morteda Mohammed Radhi	The Influence of Alkali-Aggregate Reactions on Flexural Behavior of Reinforced Concrete Beams by Using Different Proportions of Reactive Sand
14	236	Yasir Riad Maktoof	Effect of Hybrid Fibers on the Performance of Lightweight Expanded Polystyrene Self-Compacting Concrete

<b>Session Chair</b>		رئيس الجلسة	<b>Prof. Dr. Haider Ibrahim Hindi</b>	
<b>Session Co-Chair</b>		مقرر الجلسة	<b>Dr. Ahmed Ali Saihood</b>	
<b>No of Papers</b>		عدد البحوث	<b>11</b>	
<b>Session Time</b>		وقت الجلسة	<b>10: 00 Am</b>	
مكان الجلسة		كلية الهندسة جامعة ذي قار <b>collage of Engineering, University of Thi Qar</b>		
<b>Join Information – معلومات الدخول</b>				
<b>Track Name</b>		<b>Computer Science and Mathematics</b>		
<b>T</b>	<b>ROOM 4</b>			
	<b>Paper ID</b>	<b>Authors Names</b>	<b>Paper Title</b>	
1	19	Sarah Zghair Arrak	Detecting DDOS Attacks using machine learning and deep learning	
2	37	mohammed khalid yaqoob	Polynomial Characterizations of Distance-Biregular Graphs	
3	43	Baydaa Sh. Z. Abood	A novel Search Reduction Algorithm for Improve Video Compress Processing Speed	
4	47	Lamyaa Fahem Katran	Enhanced MRI Classification through the Integration of a Swin-S Transformer and Db4 Wavelet Transform	
5	52	Wurood fadhil abbas	A Comprehensive Review of Interference Management and Power Allocation for Heterogeneous Networks (Hetnets) with Non-Orthogonal Multiple Access (NOMA)	
6	53	Mohammed Shaker Kareem	Anomaly Detection in Streaming Data Using Updated Online Isolation Forest	

7	67	Marwa Mohammad Obaid	HDL-IDS: Integrating Feature Selection Methods with Hybrid Deep Learning for Improved Intrusion Detection Systems
8	79	Nidaa Ghalib ali	Concentration Grid-based on Congregate for Communication Sensor
9	82	AHMED HAMEED KAMIL	Approximate Solution of Nonhomogeneous Differential Equations viaa New Modified Homotopy Perturbation Method
10	95	Khalid A. Mhawis, Akram B. Attar	Independent and Co- Independent Domination of Discrete Topological Graph
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