



2nd IICESAT

International Scientific Conference of
Engineering Sciences and Advances Technologies



برنامج المؤتمر ... Conference Program

اليوم الاول: السبت، 24 شباط 2024 ... Saturday, 24 February 2024

برنامج الجلسة الافتتاحية ... Inauguration Session Program

| التوقيت | التفاصيل |
|---------------------|---|
| 9:00 - 9:05 AM | الترحيب والافتتاح |
| 9:05 - 9:08 AM | قراءة آية من القرآن الكريم |
| 9:09 - 9:10 AM | قراءة سورة الفاتحة تكريماً لشهداء العراق |
| 9:10 - 9:12 AM | النشيد الوطني العراقي |
| 9:15 - 9:25 AM | كلمة السيد رئيس المؤتمر يلقيها السيد نقيب الأكاديميين العراقيين - فرع كربلاء المقدسة الأستاذ الدكتور منير عبد العالي عباس الداعي |
| 9:30 - 9:40 AM | كلمة السيد راعي المؤتمر يلقيها السيد محافظ كربلاء المقدسة الأستاذ المهندس نصيف جاسم الخطابي |
| 9:40 - 9:50 AM | كلمة السيد نقيب الأكاديميين العراقيين الأستاذ المساعد الدكتور مهند عبد الحسن الهلال |
| 9:55 - 10:05 AM | كلمة السيدة عميد كلية الزهراوي الجامعة الأستاذ الدكتورة نظيرة حسن الصفار |
| 10:05 - 10:10 AM | عرض فلم وثائقي عن نقابة الأكاديميين وكلية الزهراوي الجامعة |
| 10:10 - 10:20 AM | الجلسة العلمية: دعوة وتقديم المتحدثين الرئيسيين رئيس الجلسة: الأستاذ الدكتور عدي اركان عباس الجبوري مقرر الجلسة: الأستاذ المساعد الدكتور احمد جبار عبيد الجنابي |
| 10:20 - 10:50 AM | محاضرة المتحدث الأول: الأستاذ الدكتور علي حسين رشك مساعد رئيس جامعة البصرة للشؤون العلمية |
| 10:55 - 11:25 AM | محاضرة المتحدث الثاني: الأستاذ الدكتور هيثم حسن متعب الداعي كلية الهندسة - جامعة بابل |
| 11:25 - 11:45 AM | التكريم |
| 11:45 Am - 12:55 PM | استراحة + اداء الصلاة + وجبة الغداء |
| 1:00 - 3:30 PM | الجلسات العلمية (الحضورية + الافتراضية) |
| 3:35 - 3:45 PM | الجلسة الختامية (قراءة توصيات المؤتمر) يلقيها السيد رئيس اللجنة العلمية للمؤتمر الأستاذ الدكتور عادل حبيب عمران الخياط |



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**2nd International Scientifics Conference of Engineering
Sciences and Advances Technologies**

First DAY: 24 February 2024

اليوم الأول: 24 شباط 2024

جلسات المؤتمر الحضورية

In-person conference sessions

On Time

Time: 1:00 - 03:30 PM



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| Session Chair Name | رئيس الجلسة | أ.د. هينم حسن متعب الداعي | | |
|---------------------------|--------------------|---|--|-------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. فاضل ياس خضير | | |
| Session Name | اسم الجلسة | Civil and Construction Engineering Geotechnical and Surveying Engineering Environmental Science and Pollutions | | |
| No. of Papers | عدد البحوث | 6 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 1 | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 90 | huda almirhig | Efficiency of Geotextile Encased Subbase In Enhancement of Soft Clay Bearing Capacity | 15 Minutes |
| 2 | 127 | Samer Saeed abdulhussein | Impact of Temperatures on the Mechanical Characteristics of Modified Reactive Powder Concrete | 15 Minutes |
| 3 | 155 | Mohammed Ghazi Faisal Alzaidy | Experimental Study on the Mechanical Properties of Concrete Made with Fine and Coarse Recycled Aggregate in Mosul City | 15 Minutes |
| 4 | 264 | Thayf Yasser Abass | Behavior Of Reinforcement Concrete Columns Exposed To Fire At An Early Age | 15 Minutes |
| 5 | 469 | Arqam Bashar Younus | Horizontally Cantilever Curved RC Beams - Numerical Investigation | 15 Minutes |
| 6 | 481 | Safaa A Kadhum | Heavy Metal Sources and Particulate Matter (PM) Concentration in the Street Dust in Samawa, Iraq | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.د. غالب عبد الوهاب علي الدهش | | |
|--------------------|-------------|---|--|------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. زينب نزار جواد | | |
| Session Name | اسم الجلسة | Physics and Astronomy Nano Engineering | | |
| No. of Papers | عدد البحوث | 8 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 2 | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 252 | Abeer Mohammed Muslim | Preparation and characterization of CuO nano particles using Olive leaves and Roselle flower extracts with their antibacterial activity | 15 Minutes |
| 2 | 259 | Khalid Abdullah Muhammad Ali | Analyzing The Impact Of Various Receiver Types On The Thermal Performance Of A Parabolic Trough Solar Collector | 15 Minutes |
| 3 | 273 | Fouad Sh. Hashim | Preparation, Characterization And The Antibacterial Activity Of PVA-PVP/Co3O4 Nanofiber Films Via Indigenous Electrospinning Setup | 15 Minutes |
| 4 | 355 | Prof. Dr. Fouad Sharir Hashim | Electrospinning Preparation of PVP/Ni2O3 Nanofibers: characterization and antibacterial studies | 15 Minutes |
| 5 | 455 | Huda Fadhil Salman Abd Alhusain | Tunable optical and electronic properties of Zinc selenide (ZnSe) monolayer for optoelectronic device | 15 Minutes |
| 6 | 457 | Saddam Abdul Hussein Abdul Ali | Theoretical Investigation of Novel Phenothiazine Derivative Dyes as Sensitizers in Dye-Sensitized Solar Cells: A DFT Approach | 15 Minutes |
| 7 | 477 | Sajjad Ali Ameen | Structural and surface morphology characterization of hydrothermally synthesized Ga-doped ZnO nanoparticles powder | 15 Minutes |
| 8 | 490 | Haidar M. Talib | Study the impact of aluminum dopant on the surface structure, morphology, and novel NO2 gas sensing properties of AlxCdS1-x-PVA nanocomposites | 15 Minutes |



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| Session Co-Chair | مقرر الجلسة | أ.م.د. محمد غانم مردان | | |
| Session Name | اسم الجلسة | Materials and Mechanical Engineering | | |
| No. of Papers | عدد البحوث | 6 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 3 | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 149 | Farah Adil Abdul Hussein | Evaluation of Leaching Efficiency in Extracting Calcium from Iraqi Rocks Using Hydrochloric Acid | 15 Minutes |
| 2 | 172 | Hussein Kadhim Khallawi | Mechanical Properties of Sandwich Nano Composite of Epoxy/ Chopped S-Glass Fiber Reinforced by SiO ₂ , ZrO ₂ Nano Particles for Core and Skin AL 6061-T6 | 15 Minutes |
| 3 | 216 | Afnan Abdul-Kareem | Wear and Friction of AlFeCr Alloys Prepared by Powder Metallurgy | 15 Minutes |
| 4 | 353 | Hayder Adnan Abdulhussain | Improving the mechanical properties of the polymer mixture used in the manufacture of prosthetic feet using polyethylene terephthalate waste fibers | 15 Minutes |
| 5 | 376 | Zainab.K.Hamzah | An Experimental Study of Thermal Contact Resistance Using Aluminum Foil as a Thermal Interface Material across Different Metallic Pairs | 15 Minutes |
| 6 | 397 | Noor alhuda Baheer Shrhan | Microstructure and Wear Behavior of In-situ Composite A356/Al3Ni Fabricated by Stir Casting | 15 Minutes |



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| Session Co-Chair | مقرر الجلسة | م.د. محمد صالح مهدي | | |
| Session Name | اسم الجلسة | Mathematics and Statistics | | |
| No. of Papers | عدد البحوث | 7 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 4 | | |
| Paper ID | Authors Names | Paper Title | Time | |
| 1 | Faten Hashim Mohammed | f-Coessential Submodules | 15 Minutes | |
| 2 | Dr. Amjad H. Hamza | Symlet Analysis for ECG-Based Diagnosis of Heart Dysfunction | 15 Minutes | |
| 3 | Karar Ali Khanjar | Monte CarloBernstean Polynomials Simulation Method For Solving Fredholm Integral Equations | 15 Minutes | |
| 4 | Muntaha Khudhair abbas | TZ -Maximal submodules and TZ -Radical of a Module | 15 Minutes | |
| 5 | Mohammed. Abdul Ridha Rehman– AL-Bojmal | Using Bayesian and Classical Methods to Estimation Parameter For Inverse Pareto Distribution Under Randomly Censored Data | 15 Minutes | |
| 6 | Ahmed Sami Sleibi | Stability of Caputo -Katugampola Integro-Fractional Differential Delay Nonlinear Control System | 15 Minutes | |
| 7 | Maysoun A.Hamel | Small Second Submodules | 15 Minutes | |
| 8 | Karar Ali Khanjar | Monte Carlo-Bernstean Polynomials Simulation Method For Solving Volterra Integral Equations | 15 Minutes | |



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| Session Co-Chair | مقرر الجلسة | أ.م.د. محمد حسن سلومي | | |
| Session Name | اسم الجلسة | Mathematics and Statistics | | |
| No. of Papers | عدد البحوث | 7 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 5 | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 193 | Ayat Waleed Khaled | Block Technique for Enhancing the Efficiency of the Mutual Opposite Form | 15 Minutes |
| 2 | 205 | Zainab Abbas Khalaf | Non-Isomorphic Projective MDS Codes of Dimension Two over the Galois Field of Order 32 | 15 Minutes |
| 3 | 214 | Walaa Jabbar Zghir- Al-Obaidi | Using Fuzzy Statistical Models to Estimate Upper and Lower Bounds of Gini Coefficient | 15 Minutes |
| 4 | 226 | Nagham A. Hameed | The Liouville's Function λ_1 Analysis in Graph Theory | 15 Minutes |
| 5 | 248 | Dr. Najm Abed Oleiwi | A New Family of Semicircular Generalized Rayleigh Distribution | 15 Minutes |
| 6 | 328 | Dhuha Kareem Ibrahim | Comparison Estimators for The Reliability of Exponentiated Inverse Rayleigh Distribution | 15 Minutes |
| 7 | 386 | Sada faydh Mohammed/ enas abdu alhafudh Mohammed | Simulation of estimation of transformed semicircular gamma distribution parameters with Algorithm | 15 Minutes |
| 8 | 393 | Karar Ali Khanjar | Monte CarloBernstean Polynomials Simulation Method For Solving Fractional Volterra Integral Equations | 15 Minutes |



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| Session Co-Chair | مقرر الجلسة | أ.م.د. محمد رزاق العلي | | |
| Session Name | اسم الجلسة | Mathematics and Statistics Electrical and Computer Engineering Computer Science and IT | | |
| No. of Papers | عدد البحوث | 7 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 6 | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 421 | Aws H. Al-Jrew | Analysis and Design of the Induction Heating Load Using Finite Element Method | 15 Minutes |
| 2 | 422 | Layth Salem Ibrahim | Predicting Crime Trends in Iraq: A Comparative Analysis of Machine Learning Regression Models | 15 Minutes |
| 3 | 456 | Maysoun A.Hamel | S-Small Second Submodules | 15 Minutes |
| 4 | 478 | Methaq Azeez Joudah | The Difficult Project Crashing Algorithm | 15 Minutes |
| 5 | 488 | Hayder Hussein Kadhum | Excitation Capacitor Selection for Slip Ring Induction Generator of Wind Energy System Based on External Rotor Capacitance Estimation and Iron Losses Effect | 15 Minutes |
| 6 | 489 | Mahdi Saleh Nayef | Supplement t-extending Modules | 15 Minutes |
| 7 | 496 | Ahmed Samit Hatem | Designing a Multimodal Emotion Recognition System Using Visual and Audio Modalities | 15 Minutes |



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Virtual conference sessions

On Time

Time: 1:00 - 03:30 PM



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| Session Co-Chair | مقرر الجلسة | أ.م.د. منى حسين حسن | | |
| Session Name | اسم الجلسة | Environmental Science and Pollution Chemical and Bio-Chemical Engineering Earth Science and Geology | | |
| No. of Papers | عدد البحوث | 10 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 1 | | |
| Joining Link | | https://meet.google.com/szn-ewka-bsa | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 65 | Nawras T. Abdulrazzaq | Load Location Effect on Reinforced Concrete Deep Beams | 15 Minutes |
| 2 | 85 | Abtehaj Hussein ali | IOT APPLICATION IN BUILDING CONSTRUCTION | 15 Minutes |
| 3 | 108 | zainab sadon ali | Seismic behaviour water front sheet piles | 15 Minutes |
| 4 | 120 | Nawras T. Abdulrazzaq | Strut and Tie Method Verification with Non-centrally Loaded Deep Beams | 15 Minutes |
| 5 | 179 | Dhyaalden H. Ali | Analysis the Costs and Causes of Change Order in Iraqi Projects:A Comprehensive Survey and BIM Approach | 15 Minutes |
| 6 | 185 | Ali Mohsin Razooq | Flange Effective Width For Reinforced Concrete T-Beams Using Recycled Coarse Aggregate | 15 Minutes |
| 7 | 218 | Aws B. Naji | Experimental and theoretical investigation of high strength GFRP and hybrid RC beams | 15 Minutes |
| 8 | 237 | Naseer Abdulhusain Abdullah | Proposing Tram Routes in Al-Najaf City Based on Traffic-Geomatic Criteria | 15 Minutes |
| 9 | 245 | Aws B. Naji | Flexural Behavior of GFRP and Hybrid RC Beams at Different Concrete Compressive Strength | 15 Minutes |
| 10 | 323 | Dania Atheer Abdulbaqi | Study Some Mechanical properties of SIFCON concrete containing of slag | 15 Minutes |
| 11 | 349 | Ali Mudhafar Hashim | Properties of Slurry Infiltrated Fibrous Concrete with Recycled Chopped Rubber under Fire Flame Effect | 15 Minutes |
| 12 | 388 | WHAB FALEH ABD | The Influence of Replacement High Alumina Cement Partially by White Kaolin on The Properties of Refractory Concrete That Made from Different Types of Aggregate. | 15 Minutes |
| 13 | 430 | Harith Mohammed Zaki | Investigation of Mechanical and Thermal Properties of Engineering Cementitious Composite Concrete | 15 Minutes |
| 14 | 487 | Zahraa Kadhum Nema | Evaluating Characteristics of Sustainable Urban Road in Kerbala City and the Analysis of Road Network Patterns. | 15 Minutes |



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| Session Co-Chair | مقرر الجلسة | أ.م.د. وسام حامد عيدان | | |
| Session Name | اسم الجلسة | Civil and Construction Engineering | | |
| No. of Papers | عدد البحوث | 14 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 2 | | |
| Joining Link | | https://meet.google.com/cqw-pagt-sfw | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 65 | Nawras T. Abdulrazzaq | Load Location Effect on Reinforced Concrete Deep Beams | 15 Minutes |
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| Session Co-Chair | مقرر الجلسة | أ.م.د. أمير مزهر هادي | | |
| Session Name | اسم الجلسة | Computer Science and IT | | |
| No. of Papers | عدد البحوث | 13 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 3 | | |
| Joining Link | | https://meet.google.com/usc-qwer-enc | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 5 | Haider Hassan Odeh | Application of the use of e-learning with the Internet of Things: future trends and opportunities for the researcher | 15 Minutes |
| 2 | 56 | Hadi Khalaf Hussain | Improving Human Physical Activities Classification via Feature Selection with Multi-Class Support Vector Machines and Grey Wolf Optimization | 15 Minutes |
| 3 | 64 | Mohammed Isam Bahjat | Accuracy And Diversity Enhancement of Recommender System Using Linked Open Data | 15 Minutes |
| 4 | 79 | Zainab Jalil Taher | Deep Neural Networks techniques for Finger vein Authentication | 15 Minutes |
| 5 | 81 | Anwar Basim Mohammed-Ruda | Conventional and Deep Learning Methods for Low Illumination Image Enhancement | 15 Minutes |
| 6 | 84 | Mahmood Abdulrazzaq Mahmood | Acoustic detection of red palm weevils based on deep learning | 15 Minutes |
| 7 | 95 | Wasnaa Kadhim Jawad | Swarming for Success : Leveraging Particle Swarm Optimization to Enhance Decision Support in Data Mining | 15 Minutes |
| 8 | 122 | Khalida Ali Ahmed Yaqoub | Retrieving Visual Microphone Sound Using the PSO-CNN Hybrid Technique | 15 Minutes |
| 9 | 144 | Hussam Jaafar kadhim | Using of convolutional neural networks for the prediction of steering angles in autonomous vehicles | 15 Minutes |
| 10 | 165 | Lubna Thanoon Alkahla | DIABETES PREDICTION USING XGBOOST AND HYPERPARAMETER ALGORITHMS | 15 Minutes |
| 11 | 180 | Noor Al-Huda K. Hussein | Evolutionary Deep Learning Techniques for DNA Cancer Data Classification | 15 Minutes |
| 12 | 350 | Hassan HADI Mohamad ali | Bridging the Gap: A Machine-to-Machine Forensic Analysis Framework for Enhancing IoT Device Security | 15 Minutes |
| 13 | 412 | Duha Amir Sultan | Video_Audio Multimodal for Deepfake Detection | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.د. علي عبد الرزاق عباس الطاهر | | |
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| Session Co-Chair | مقرر الجلسة | م.د. احمد سلمان هادي | | |
| Session Name | اسم الجلسة | Electrical and Computer Engineering | | |
| No. of Papers | عدد البحوث | 9 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 4 | | |
| Joining Link | | https://meet.google.com/qnv-vrvo-rny | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 83 | haider rasheed hameed | Particle Swarm Optimization based on Pareto Principle to Solve Environmental Economic Dispatch Problem | 15 Minutes |
| 2 | 133 | Name: Hamid Abdulqader Hamad | Improvement of Load Frequency Control of Multi-Area Power System Based on Integral, PI, PID, and Pole-Placement Design Using PSO Algorithm | 15 Minutes |
| 3 | 219 | Bayadir Abdul Razaq Issa | Design and Implementation of Sign-Digit Floating Point Multiplier Unit | 15 Minutes |
| 4 | 261 | Muqtada Fadhil | Impact of Integrate Wind Power and Thyristor Controlled Series Compensator of Power Systems Applied with 30 and 57 Bus Systems | 15 Minutes |
| 5 | 277 | Qabeela Q. Thabit | DNA Hairpin Processor Design Principles and Simulation | 15 Minutes |
| 6 | 282 | Zahra Abbas Mahmoud | Design A dual-band Microstrip Antenna For Wi-Fi And Middle Band 5G Applications | 15 Minutes |
| 7 | 340 | Karrar M. Al-Anbary | Optimal and Cost effective Placement of Energy Storage Units in Distribution Systems with Load Shedding | 15 Minutes |
| 8 | 420 | Kathem Hussan | Design and implementation of Medium Voltage Automatic transfer switch for feeder and outcomer to wastewater treatment plant using PLC Real Time | 15 Minutes |
| 9 | 426 | Aws Younis Hammoodi | Elevator Fault Monitoring and Detection System Based on Internet of Things | 15 Minutes |



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| Session Co-Chair | مقرر الجلسة | أ.م.د. سلام وحيد عاجل | | |
| Session Name | اسم الجلسة | Environmental Engineering | | |
| No. of Papers | عدد البحوث | 8 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 5 | | |
| Joining Link | | https://meet.google.com/cow-thgv-min | | |
| Paper ID | Authors Names | Paper Title | Time | |
| 1 | Doua Hadi Aboshaneh | Evaluation of the level of quality of life and its sustainability from the perspective of the social dimension): An applied study of the residential neighborhood of Karama in the city of Najaf | 15 Minutes | |
| 2 | Saja Hakm Hameed Chfeet | Theoretical Analysis of A Small Screw Archimedes Turbine to Obtain The Best Performance For Use in Umm Qasr Port | 15 Minutes | |
| 3 | Ibtehad Farhan jawed | Determine the Efficiency of Clariflocculator in Drinking Water Treatment Plants using Sedimentation Studies Apparatus | 15 Minutes | |
| 4 | Noora sabah wannas | Evaluating and improving the efficiency of drinking water treatment plants for surface water by using natural coagulants | 15 Minutes | |
| 5 | Reham Talaat Mohammed | Assessment of organochlorine pesticide pollution in the Al-Diwaniyah River | 15 Minutes | |
| 6 | Ekhlas Jassim Hussain | Enhancing The Coagulation Process Performance By Using Kaolin and Bentonite Iraqi Clays As Coagulant Aids: Experimental Study | 15 Minutes | |
| 7 | Lujain Sadik Hyal | Potable Water Production via Desalination Technique Using Solar Still Integrated with Parabolic Trough Collector and External Condenser | 15 Minutes | |
| 8 | hanan kayeem Ghazi | A Comparison Between Untreated Table Salt And Processed Table Salt In The Detection Of Heavy Metals By Atomic Absorption Spectrometer (AAS) | 15 Minutes | |



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2nd International Scientifics Conference of Engineering Sciences and Advances Technologies

| Session Chair Name | رئيس الجلسة | أ.د. احسان ضياء جواد البيرماني | | |
|---------------------------|--------------------|--|---|-------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. علاء محمد ظاهر | | |
| Session Name | اسم الجلسة | Materials and Mechanical Engineering Geotechnical and Surveying Engineering | | |
| No. of Papers | عدد البحوث | 12 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 6 | | |
| Joining Link | | https://meet.google.com/ncs-pfot-nrm | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 57 | Fatima Saadi Hussein | Steady simulation in a mixed ventilated room with adding localized heat source | 15 Minutes |
| 2 | 78 | Alala Alaa Kareem | Effect of Adding Polypropylene Fibers on the Mechanical Properties of Novel Cementitious Tile Adhesives | 15 Minutes |
| 3 | 129 | Raghda Hamdan Jiyad | Effect of Metal Powder Additives on the Microstructure and Mechanical Properties of Resistance Spot Welds of Low Carbon Steel | 15 Minutes |
| 4 | 145 | Ruqaya Salam Hussein | Comparative analysis between diamond and circular pin fins incorporated with secondary channels to enhance the thermal performance of minichannel the heat sink | 15 Minutes |
| 5 | 221 | Ali Jasim Mohammed | Improvement Automobile Assemble Production Line Performance Using Arena Simulation Software - Case Study | 15 Minutes |
| 6 | 244 | marwan basil hussein | A study evaluating the improvement of the corrosion properties of a yttria-stabilized zirconia coated on Ti-alloy by using a Taguchi design. | 15 Minutes |
| 7 | 276 | Ghadanfer Hassan Hadi | Experimental Model for Machine Foundation Response under Earthquake Loading in Sandy Soil | 15 Minutes |
| 8 | 306 | Dr.Seenaa I .Hussein | Enhancement Electrical and Thermal conductivity of polypropylene Doped MWCNT in Energy Materials Application | 15 Minutes |
| 9 | 329 | Siraj Ahmad Ghareeb | Numerical and Experimental Investigation of The Effect Variation Type And Thickness of Sheet On Effective Strain Distributions During Stamping of Quasi Conical Cup | 15 Minutes |
| 10 | 356 | Ahmed Hasan Tawfeeq | The Impact Of Carbon Deposits In The Combustion Chamber Of A Gasoline (Si) Engine On Its Performance And Emissions, Depending On Fuel Quality In Iraq | 15 Minutes |
| 11 | 371 | Zainab.K.Hamzah | Experimental Study of Thermal Contact Resistance using Different Thermal Interface Materials across Similar Metallic Pairs | 15 Minutes |
| 12 | 384 | Falah Hassan Abdulaziz | Effect of nanoparticles filler on the mechanical behavior of multi-layer composite | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.د. ايمان طالب كريم | | |
|--------------------|-------------|---|---|------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. عباس ابراهيم عيسى | | |
| Session Name | اسم الجلسة | Materials and Mechanical Engineering Geotechnical and Surveying Engineering | | |
| No. of Papers | عدد البحوث | 11 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 7 | | |
| Joining Link | | https://meet.google.com/chh-bdzu-qbp | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 385 | Falah Hassan Abdulaziz | Experimental and Numerical Investigation of Nano-silica reinforced Multi-layer composite | 15 Minutes |
| 2 | 389 | Muthana Haider Abdul Hussein | Analysis the Mechanical Behavior of Carbon-Kevlar-Glass Fiber Reinforced Composite with Silicon Carbide | 15 Minutes |
| 3 | 391 | Muthana Haider Abdul Hussein | Effect of the Inclusion of Silicon Carbide Nanoparticles on the Properties of Glass/Kevlar/Carbon Fiber Reinforced Polymer Composites | 15 Minutes |
| 4 | 394 | Bashar Salah Jasim | Performance evaluation of the NACA 4415 airfoil as a model for small horizontal wind turbine blade design and operation in Iraq | 15 Minutes |
| 5 | 405 | Noor Sabah Falieh | Enhancing The Thermal-Hydraulic Performance of an Annulus Utilizing Different Configurations of Longitudinal Fins | 15 Minutes |
| 6 | 411 | Ali Abdulameer Abd | An Assessment of the Mechanical Characteristics of Laminated Composite Materials with Varying Fiber Orientation | 15 Minutes |
| 7 | 423 | Haneen Alaa Abdel-hade | Heat treatment and its effect on tensile and modulus elasticity of welded low Carbon steel | 15 Minutes |
| 8 | 425 | Sanaa Samir ridha | Free Vibration Analysis of Polyester Resin-Coal Functionally Graded Plates | 15 Minutes |
| 9 | 471 | Sajjad Jaafar Hammoodi | Optimizing Surface Characteristics and Mechanical Properties of Aluminum 7075 Alloy through Friction Stir Processing Technique | 15 Minutes |
| 10 | 476 | Noor J. Nader | Dynamic Analysis of 3-DOF Systems: Optimizing Vibration Control with Shape Memory Alloy and Stainless Steel Springs | 15 Minutes |
| 11 | 482 | Ansam Ahmed Jawad | Behavior of Micropiles in Layered Soils | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.م.د. رياض دلفي علي | | |
|--------------------|-------------|---|--|------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. جمان خليل ابراهيم | | |
| Session Name | اسم الجلسة | Mathematics and Statistics | | |
| No. of Papers | عدد البحوث | 13 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 8 | | |
| Joining Link | | https://meet.google.com/rxn-iqmc-thz | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 10 | Esraa.A.Dawood | Fibrewise Micro-Ideal Topological Spaces | 15 Minutes |
| 2 | 49 | Israa Th. Younis | Solving the Coupled Drinfelds-Sokolov-Wilson System Via Exponential Finite Difference Method | 15 Minutes |
| 3 | 55 | Mustafa mohammed jasim | R^* -supplement Module and Related Concepts | 15 Minutes |
| 4 | 75 | Mohammed Th. Al-Neima | Non-Associative Ultrasemiprime Algebras | 15 Minutes |
| 5 | 87 | Obaida A. Ahmed | On Pre-h-Open Sets in Topological Spaces | 15 Minutes |
| 6 | 88 | Dr. Wafa Younus Yahya | Daniell Integral on Ordered Banach Algebra | 15 Minutes |
| 7 | 105 | Dr. Jamil A. Ali Al-Hawasy | The Classical Continuous Boundary Optimal Control Problems for Quaternary Elliptic Partial Differential Equations | 15 Minutes |
| 8 | 119 | Ali M. Hassan | Some Results on Two Involution Clean Elements with Applications in Graph Theory | 15 Minutes |
| 9 | 141 | Barakat Sajid Dahi | Six Points Implicit Block Method with Extra Derivative for Solving First- Order Initial Value Problem | 15 Minutes |
| 10 | 191 | Omar Dhahir Shalal | Solving Optimization Problems by Hybrid Algorithm based on Sand Cat Swarm Optimization and Artificial Rabbit Optimization (SCSO-ARO) | 15 Minutes |
| 11 | 194 | Ruqaya Ali Oribi Jaber | Impulsive Integro-Defferential Perturbed System | 15 Minutes |
| 12 | 208 | Warif B. Bassim | The Permanence of Stochastic Prey-predator Model under Predation Skill Augmentation and Prey Hide-and-Escape Effects | 15 Minutes |
| 13 | 217 | Muntaha Jaafer Ali | Some Applications on N- Refined Fuzzy Neutrosophic Ring | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.م.د. حسام عبد علي محمد | | |
|--------------------|-------------|---|--|------------|
| Session Co-Chair | مقرر الجلسة | م.م. يسرى عباس البهادلي | | |
| Session Name | اسم الجلسة | Mathematics and Statistics | | |
| No. of Papers | عدد البحوث | 12 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 9 | | |
| Joining Link | | https://meet.google.com/nvw-fmdq-sep | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 243 | Rasha Naser Majeed | Soft Ideal on Cech Soft Closure Spaces | 15 Minutes |
| 2 | 246 | Rasha N. Fadel | Numerical Investigation of Thermal Radiation and Natural Convection of a Fluid in a Square Cavity with a Solid Body | 15 Minutes |
| 3 | 257 | Thaer Hatem Qassim | An Improvement Order the Approximation of Summation-Integral Type of Bernstein Sequence | 15 Minutes |
| 4 | 314 | Zainab Esa Abdulnaby | A New Linear Fractional Differential Operator of Multivalent Functions Defined in The Open Unit Disk | 15 Minutes |
| 5 | 326 | Esraa hashim yahya | On closed-lifting module | 15 Minutes |
| 6 | 331 | Ola Saad Olewi | Solution to Integral and Integro-Differential Equations via Gupta Transform | 15 Minutes |
| 7 | 364 | Abdullah Mohammed Hassan | Innovative Approach of Determining the Reliability and Minimal Path/Cut Sets in Complex-Parallel Systems | 15 Minutes |
| 8 | 399 | Hajr Imad Rajaa | Direct Theorems of Algebraic One-Sided Approximation for One-Variable Exponent in Weighted $L_{(p,\alpha)}$ - Spaces | 15 Minutes |
| 9 | 458 | Areej Ibrahim Tawfeeq | A comparison of the Fuzzy Estimators of the Robust Fuzzy Regression model | 15 Minutes |
| 10 | 458 | Firas Jawad Obaid Radhi | On S_{δ} -Driven and S_{δ} -Isolated Sets in Supra Topological Spaces | 15 Minutes |
| 11 | 459 | Areej Ibrahim Tawfeeq | A comparison of the Fuzzy Estimators of the Robust Fuzzy Regression model | 15 Minutes |
| 12 | 479 | Manar Jassim Mohammed | Soft Ideal on Cech Soft Closure Spaces | 15 Minutes |



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| Session Chair Name | رئيس الجلسة | أ.م.د. حوراء حسين عباس الربيعي | | |
|--------------------|-------------|---|--|------------|
| Session Co-Chair | مقرر الجلسة | أ.م.د. حسام عباس داود | | |
| Session Name | اسم الجلسة | Networking and Communications Physics and Astronomy | | |
| No. of Papers | عدد البحوث | 6 | | |
| Session Time | وقت الجلسة | 1:00 – 3:30 PM | | |
| Room Name (Number) | | 10 | | |
| Joining Link | | https://meet.google.com/daf-rpps-eco | | |
| | Paper ID | Authors Names | Paper Title | Time |
| 1 | 61 | Tabarek Mazen Makki | Analyzing Radar System Resilience: A MATLAB/Simulink Study on Barrage and Spot Jamming Impact | 15 Minutes |
| 2 | 96 | Hassan Saad Abdullah | Design of a Compact Two-Channel Bandpass Diplexer Using Multi-Layer Square Open Loop Resonator | 15 Minutes |
| 3 | 160 | Mohammed Abdullah Hussein | Effect of changing the Geometric Parameters on the Optical Performance of the immersion electrostatic lens in the Scanning Electron Microscope | 15 Minutes |
| 4 | 182 | Qasim Shakir Kadhim | Polycaprolactone Nanofibrous Mats with Electrospun Polymethylmethacrylate: Synthesis and Evaluation | 15 Minutes |
| 5 | 286 | Dr.Mezher Hamed Mezher | FABRICATION HIGHLY SENSITIVE OPTICAL SENSING DEVICES BASED ON D- SHAPED FIBRE | 15 Minutes |
| 6 | 495 | Raneen Qasem Mohammed | Optical Diagnostics of Zn foil using cold atmospheric pressure plasma jets (CAPPJ) via flow gas Ar/O | 15 Minutes |



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