



ISAS 2023

7th International Symposium on
**Innovative
Approaches in
Smart Technologies**

23-25 November 2023, İstanbul, Türkiye

Committees
Accepted Papers
Symposium Statistics
Technical Program



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UNIVERSITY**

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ISAS 2023

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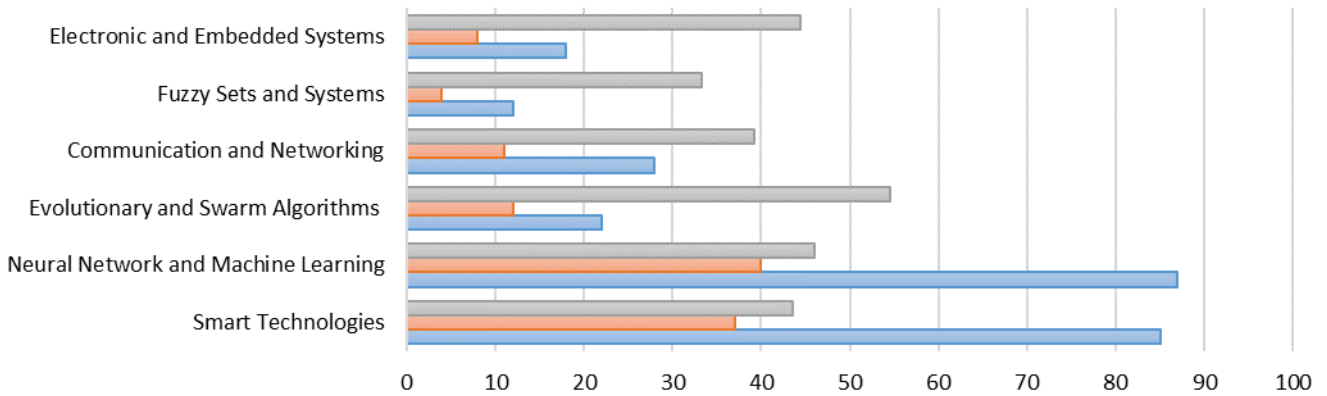
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ISAS 2023 Symposium Statistics

Submissions By Topics

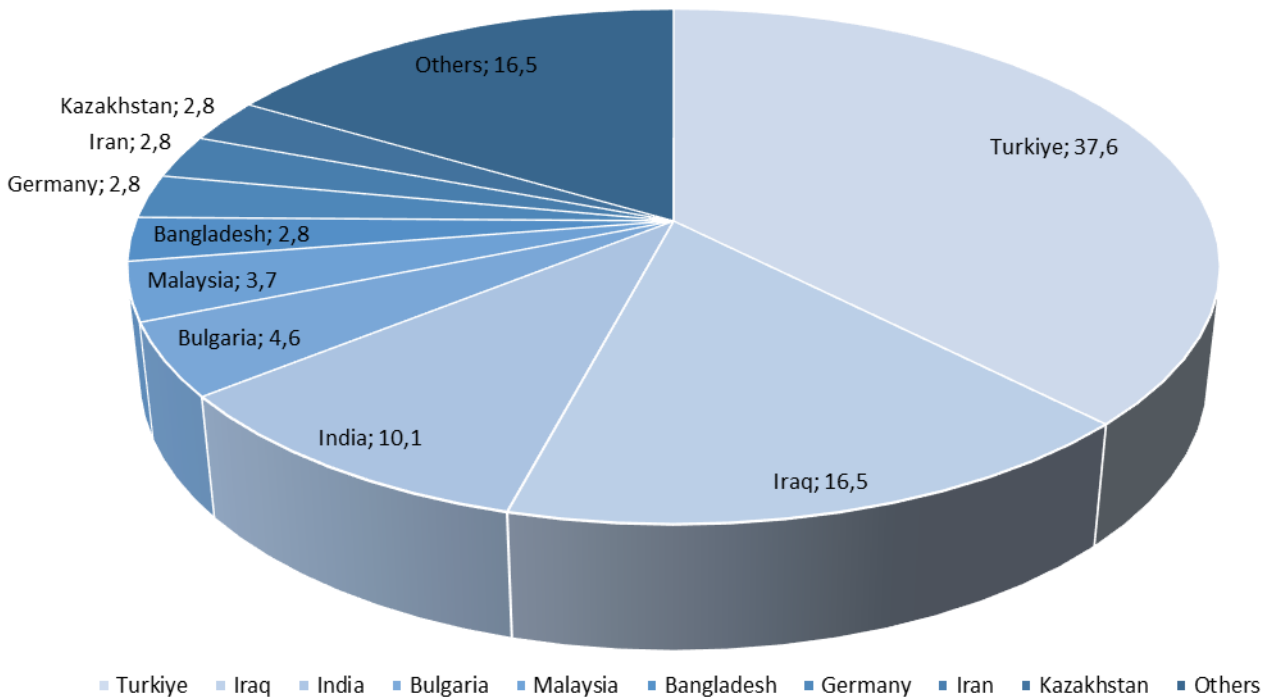
Acceptance Rate (44.44%)



	Smart Technologies	Neural Network and Machine Learning	Evolutionary and Swarm Algorithms	Communication and Networking	Fuzzy Sets and Systems	Electronic and Embedded Systems
■ Acceptance Rate (%)	43,53	45,98	54,55	39,29	33,33	44,44
■ Accepted Paper Count	37	40	12	11	4	8
■ Submitted Paper Count	85	87	22	28	12	18

■ Acceptance Rate (%)
 ■ Accepted Paper Count
 ■ Submitted Paper Count

Top 10 Countries



Algeria, Azerbaijan, Bangladesh, Bulgaria, China, Croatia, Germany, Greece, India, Iran, Iraq, Jordan, Kazakhstan, Korea, Malaysia, North Cyprus, Romania, Saudi Arabia, Tunisia, Turkiye, UAE, UK, USA

ISAS 2023
Accepted Papers

Paper Title	Author(s)	Speaker
A Compressive Study on Detection Accuracy Model for DoS Attack in SDN Using Ensemble Learning Techniques	Sindhu Pusarla, Umashankar Ghugar, Turgut Ozseven, Bhupesh Kumar Dewangan, Tanupriya Choudhury, Jagdish Chandra Patni	Tanupriya Choudhury
A Deep Artificial Neural Network-Based Daphne Leaf Classification Study	Yasemin Erkan, Ersin Alaybeyoğlu, Erdem Erkan	Ersin Alaybeyoğlu
A Generic Remote Key Loading Method for Enhancing Payment Systems	Busra Ozdenizci Kose, Vedat Coskun, Hakan Uluoz	Vedat Coskun
A Machine Learning Approach To Employee Performance Prediction Within Administrative Information Systems	Aso Kurdo Ahmed, Saif Qudama Younus, Saadaldeen Rashid Ahmed, Sameer Algburi, Mohammed A. Fadhel	Saadaldeen Rashid Ahmed
A Novel Attention-based Explainable Deep Learning Framework Towards Medical Image Classification	Gladys W. Muoka, Ding Yi, Chiagoziem Chima Ukwuoma, Moindi Duke Martin, Ahmet Arif Aydin, Mugahed A. Al-antari	Mugahed A. Al-antari
A Novel Time of Use Tariff Scheme Using Artificial Hummingbird Algorithm for Demand Side Management of a Residential City in Bangladesh	Asif Ur Rahman Adib, Wasik Billah Ibn Rashid, Md. Asib Rahman Jahin, Hasan Jamil Apon, Md. Shadman Abid	Wasik Billah Ibn Rashid
A Pretraining Strategy to Improve Faithfulness in Abstractive Text Summarization	Mohanad Alrefaai, Devrim Akgün	Mohanad Alrefaai
A Proposed Framework For Smart Geo-fencing For Religious Places	Ankit Vishnoi, Tanupriya Choudhury, Jagdish Chandra Patni, Ayan Sar	Jagdish Chandra Patni
A Survey Study on Secure Image Transmission and Noncoherent Chaos Communication System	Yasmine M. Khazaal, Ali Douik, Monji Kherallah	Yasmine M. Khazaal
Achieving Optical Fiber Transmission of Over 60 W of Electrical Power and Optical Data	Alaa Tareq Al-hadeethi, Osman Nuri Uçan, Alaa Hamid Mohammed	Alaa Tareq Al-hadeethi
Advancing Human-Machine Interaction: Speech and Natural Language Processing	Ali Berkol, İdil Gökçe Demirtaş	Ali Berkol
An adaptive Particle Swarm Optimization to Solve Modern Security System	Mohammed Ahmed, Asaad Hashim, Khalid Hussein	Mohammed Ahmed
An Automation Perception For Cotton Crop Disease Detection Using Machine Learning	Ritu Aggarwal, Eshaan Aggarwal, Anurag Jain, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
An Innovative Risk Score Based Corporate Access Control Management System	Busra Ozdenizci Kose, Vedat Coskun, Arslan Coskun	Vedat Coskun
An Ontology Learning Framework for unstructured Arabic Text	Mohammad Taye, Rawan Abulail, Mohammad Al-Oudat	Mohammad Taye
Analysis Of Key Factor For Energy Efficiency Of Passenger Ships - Shore Power Supply	Ginka Ivanova, Milen Duganov	Milen Duganov
ANOVA Method Reveals Key Factors Influencing Geopolymer Strength: A Comprehensive Evaluation of Input Variables	Yıldıran Yılmaz, Talip Çakmak, Zafer Kurt	Talip Çakmak
Application of Machine Learning Methods for Controlling a Catalytic Cracking Plant	Dinara Kozhakhmetova , Yerbol Ospanov, Salavat KHidoyatov, Ainur Mukhanbetkaliyeva, Tursynkhan Zhylykybayev, Baktygul Assanova	Dinara Kozhakhmetova
Application of Multi-Sensor Road Feature Detection and Mapping in Kazakhstan and Development of Pole Detection and Analysis Procedure	Shakhzod Takhirov, Assel Nugmanova, Daniyar Koshimkhanov	Shakhzod Takhirov
Artificial Intelligence Computer-Aided Diagnosis to Automatically Predict the Pediatric Wrist Trauma using Medical X-ray Images	Elif Merve Erzen, Ertan Bütün, Mugahed A. Al-antari, Radhwan A. A. Saleh, Daniel Addo	Elif Merve Erzen
Assessing Audio-Based Transformer Models for Speech Emotion Recognition	Ulku Bayraktar, Hasan Kilimci, Hakan Kilinc, Zeynep Hilal Kilimci	Zeynep Hilal Kilimci
Assessing the Impact of ChatGPT in a PHP Programming Course	Jana Alhajj, Melike Sah	Jana Alhajj
Automated RFID-Based Attendance And Access Control System For Efficient Workforce Management	Abadal-Salam T. Hussain, Taha A. Taha , Saadaldeen Rashid Ahmed, Shouket A. Ahmed, Omer K Ahmed, Hazry Desa	Mohammed Fadhil
Automatic Clustering by Geometric Method of Tangent Lines with Points	Leyli Mohammad Khanli, Mitra Mansour, Shahin Pourbahrami	Leyli Mohammad Khanli
Automatic Transformation of UML-RT Models Into nuXmv Model Checker	Ruth Schorr	Ruth Schorr

BC-4Track: A Blockchain based System for Vehicle Tracking Management	Vedat Coskun, Mohammed Alsadi, Busra Ozdenizci Kose, Haci Ali Mantar, Mikail Abdullah Oral	Vedat Coskun
Classification of Sign language Using VGG16 and VGG19	Basel A. Dabwan, Fekry A. Olayah, Hanan T. Halawani, Aisha M. Mashraqi, Yahya A. Abdelrahman, Ahlam F. Shamsan	Basel A. Dabwan
CloudSpot: Enhancing Wi-Fi Hotspot Management with Cloud-driven Innovations	Busra Ozdenizci Kose, Vedat Coskun, Senol Yaya	Vedat Coskun
Combating VoIP Spam: A Real-Time Algorithmic Approach	Ankit Kumar, Kamred Udham Singh, Gaurav Kumar, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
Comparative Performance Evaluation of Fractional Fuzzy Inference System for A High-Order System	Mahmut Cengiz, Furkan Nur Deniz, Omerulfaruk Ozguven	Mahmut Cengiz
Comparison Of YOLOv8 And Detectron2 On Crowd Counting Techniques	Mehul Wadhwa, Tanupriya Choudhury, Gaurav Raj, Jagdish Chandra Patni	Gaurav Raj
Creating a Smart Medical Bed with IoT Technology for Safe Transportation of Patients with Highly Infectious Diseases	Haneen Abdulhussein Hadi Hadi, Abdullahi Abdu Ibrahim	Haneen Abdulhussein Hadi Hadi
Cyber Security Method For Phishing And Malicious Link Detection In Social Meda Using Data Mining Techniques	Hadeel Basil Saadallah, Osman Nuri Uçan	Hadeel Basil Saadallah
Design and Frequency Characterization of a Rose Antenna Produced with 3D Printing	Yeliz Sakine Tanaydın, Mehmet Duman	Yeliz Sakine Tanaydın
Design and Implementation of a Character Printing System Using EOG Signals	Aytek Sarıçam, Cengiz tepe, Aws Mohammed Nafea Nafea	Aytek Sarıçam
Design of Majority Decoded Codes and Decoding Algorithm Based on Error Propagation Analysis	Zhuldyz Sailau Kyzy, Dina Satybaldina, Gulmira Danenova , Makhabbat Kokkoz , Nurlan Tashatov	Gulmira Danenova
Detection and Classification of Agricultural Pest and Vermin's using Full-Convolutional Neural Network	Ali Raad Abdulrazzaq, Ayça Kurnaz Türkben, Sefer Kurnaz	Ali Raad Abdulrazzaq
Detection of Distributed Denial-of-Service (DDoS) Attack with Hyperparameter Tuning Based on Machine Learning Approach	Wan Nurulsafawati Wan Manan, Choo Yong Han	Wan Nurulsafawati Wan Manan
Detection of Malicious SQL Injections Using SVM and KNN Algorithms	Sameer Abduljabbar Kadhim Hacham, Osman Nuri Uçan	Sameer Abduljabbar Kadhim Hacham
Developing a Portable Smart Ventilator: A Prototype that Balances Cost and Functionality	Shereen Qisam Bless, Jameel Kadhim Abed, Mohannad Jabbar Mnati	Shereen Qisam Bless
Development of Coke Chambers Models of Delayed Coking Unit under uncertain initial information	Baktygul Assanova, Batyr Orazbayev, Zhanna Shangitova, Zhadra Moldasheva, Kulman Orazbayeva, Dinara Kozhakhmetova	Baktygul Assanova
Effect of Viscous Damping Coefficient on Suppression of Structural Earthquake-Induced Vibrations with Tuned Liquid Column Dampers	Sefer Arda Serbes, Muaz Kemerli, Ahmet Aydın, Muhammed Necmeddin Sami İnanır, Tahsin Engin	Sefer Arda Serbes
Effective Energy Conversion Design for An Electric Vehicle Integrating Solar Energy with An Effective Braking System: A Case Study In Nicosia	Adeleye Otepolo, Lida Ebrahimi Vafaei	Adeleye Otepolo
Effects of the Tap Staggering Volt/VAr Control Method on Online and Adaptive Protection System in Grids with Wind Energy Sources	Hakan Kasap, Mikail Pürlü, Belgin Türkay, Reza Ganjavi	Hakan Kasap
Efficient Resource Management in IoTs Using Evolutionary and Swarm Intelligence Algorithms	Keshav Dev Gupta, Korhan Cengiz, Charu Awasthi, Siva Akash Ramini, Shyamapriya Chatterjee, Pavithra M	Korhan Cengiz
Elderly Fall Detection System with ESP32 Module and Edge Impulse Studio	Oğuz Za, Dilara Bayar, Ceren Aridici, Yağız Sedat Metin, Rifat Edizkan	Ceren Aridici
Emotion Recognition of Humans using modern technology of AI: A Survey	Ahmed Adil Mohammed Alheeti, Mustafa Muhanad M.Salih , Alaa Hamid Mohammed, Mostafa A. Hamood, Nemer Radhwan Khudhair, Ahmed Thair Shakir	Ahmed Adil Mohammed Alheeti
Energy Consumption Estimation Using Machine Learning with Data from Smart Meters in a Residential Complex Building in Iraq	Noor Malik Safaa Al-Shawwaf, Abdullahi Abdu Ibrahim, Saif Mohamed Baraa Al-Sabti	Noor Malik Safaa Al-Shawwaf
Energy Consumption Level Classification using Stepwise Dynamic Nearest Neighbor Algorithm	Deniz Karabaş, Derya Birant, Pelin Yıldırım Taşer	Deniz Karabaş
Enhanced Preprocessing Stage For Feature Extraction of Deepfake Detection Based on Deep Learning Methods	Mohamed Abdulhamid, Asaad Hashim	Mohamed Abdulhamid
Enhancing Trajectory Following in VTOL Cargo UAVs: Adaptive Control in Changing Payload Scenarios	Ahmet Sadık Duru, Tolga Ozaslan, Servet Soyguder	Ahmet Sadık Duru

Ethereum Blockchain Smart Contract Vulnerability Detection Using Deep Learning	Huseyin Okan Demir, Sule Zeynep Parlat, Abdurrahman Gumus	Huseyin Okan Demir
Evaluation of Feature Detection and Extraction Methods for Landmark Separability in Visual Localization	Ali Ömer Baykar, Jens Lambrecht, Ayhan Kural	Ali Ömer Baykar
Experimental and Numerical Investigation of the Mitigation of Structural Vibrations Caused by Ground Acceleration with TLCD Application	Sefer Arda Serbes, Hüseyin Dal, Muhammed Necmeddin Sami İnandır, Muaz Kemerli, Ahmet Aydın, Erkan Çelebi, Tahsin Engin	Sefer Arda Serbes
Explainable Artificial Intelligence Computer-Aided Diagnosis for Heart Myocardial Infarction	Radhwan A. A. Saleh, Humam AbuAlkebash, Alaa Aldeen Mohammed, Daniel Addo, Ertan Bütün, Mugahed A. Al-antari	Humam AbuAlkebash
Explainable Multiscale Kernel Depth-wise Separable Convolutional Framework with Attention for COVID-19 Prediction from Chest X-ray	Daniel Addo, Mugahed A. Al-antari , Shijie Zhou, Kwabena Sarpong, Peter Atandoh, Edward Mensah Acheampong, Gladys Wavinya Muoka , Radhwan A. A. Saleh	Radhwan A. A. Saleh
Exploration Strategies in Adaptive Traffic Signal Control: A Comparative Analysis of Epsilon-Greedy, UCB, Softmax, and Thomson Sampling	Saidulu Thadikamalla, Piyush Joshi	Saidulu Thadikamalla
Failure Prediction Model For Prognostic Health Management In Machine Systems	Ravi Kumar Sachdeva, Priyanka Bathla, Pooja Rani, Rohit Lamba, Anurag Jain, Tanupriya Choudhury, Jagdish Chandra Patni	Tanupriya Choudhury
Fault Diagnosis in Overhead Power Line Using Deep Belief Network	Qader Farhan Abed Abed, Osman Nuri Uçan	Qader Farhan Abed Abed
Forecasting Power Consumption Of Home Appliances Using LSTM	Preeti Nutipalli, P E S N KrishnaPrasad, Rohini A, Tanupriya Choudhury, V SreeLahari, Surya Kala Eswari, Jagdish Chandra Patni	Preeti Nutipalli
From Dungeons to Dashboards: Integrating Game-Based Character Sheet in University Environment	Milen Sotirov, Donika Nikolova-Sotirova, Todorka Georgieva, Valentina Petrova	Milen Sotirov
Fully Automated Axial Plane Segmentation of Cervical Spinal Cord using U-Net in MR Scans	Rukiye Polattimur, Emre Dandil, Mehmet Süleyman Yıldırım, Abdullah Utku Şenol, Zülbiye Eda Tezel, Ali Osman Selvi, Sibel Canbaz Kabay	Rukiye Polattimur
GPS And GSM Based Vehicle Tracking System	Abadal-Salam T. Hussain, Mohammed Fadhil, Taha A. Taha, Omer K Ahmed, Shouket A. Ahmed , Hazry Desa	Mohammed Fadhil
Healthcare opportunities through Blockchain	Veselin Chobanov	Veselin Chobanov
High Pressure Water Solar Collector As Potential Of Mini Steam Power Plant In Iraq	Hussein I. Zaynal, Abadal-Salam T. Hussain, Taha A. Taha, Alaa. A. Yass, Saadaldeen Rashid Ahmed, Shouket A. Ahmed	SaadAldeen Rashid Ahmed
High-Frequency Waves Of The Fifth Generation And Their Effects On The Head And Their Consequences For New Perspectives	Saif Mohamed Baraa Al-Sabti, Alaa Hamid Mohammed, Ali Mustafa, Abdulrahman Maadh Saadi, Aqeel Nafea Abdulateef, Dogu Cagdas Atilla	Alaa Hamid Mohammed
Holistic Methodology for Analyzing Power System Contingencies of 33KV Network for Grid Reliability Assessment: A Comprehensive Study	Dewan Ashikur Rahaman, Md.Minhaj Pathan, Md. Yakub Hassan, Md.Masum Howlader, Md.Shazzad Dewan, Aive Alamgir	Dewan Ashikur Rahaman
Implementing an Internet of Things (IoT) System to Sort Recyclable Materials based on Color and Track the Quantity of Each Color-Coded Piece	Mohammed Abduljabbar Hayil Hayil, Abdullahi Abdu Ibrahim	Mohammed Abduljabbar Hayil Hayil
Implementing Deep Learning and CNNs for Vehicle Detection to Alleviate Highway Traffic Congestion.	Haider Adil Khaleel ALzubaidy, Abdullahi Abdu Ibrahim	Haider Adil Khaleel ALzubaidy
Implementing Generative AI and Large Language Models in Education	Neil Anderson, Aidan McGowan, Leo Galway, Philip Hanna, Matthew Collins, David Cutting	Neil Anderson
Improving the Route Planning of Battery Electric Freight Vehicles through Speed Optimization	Bülent Çatay, Reza Eshtehadi	Bülent Çatay
Increasing Artificial Intelligence's Context-Dependent Grasping, through Cloninger's Planes of Being Theory	Leyli Mohammad Khanli, Alireza Farnam	Leyli Mohammad Khanli
Integration of Wi-Fi, VLC, WiMAX, 4G, and 5G Technologies in Vehicular Ad Hoc Networks: A Comprehensive Review	Mounira Hendaoui	Mounira Hendaoui

LIDAR Tabanlı 3B Yiğın Stok Kütlesi Ölçümü	Abdullah Özcan, Gürcan Durukan, Furkan Ecevit, Lütfü Çakıl, Hüseyin Kara	Furkan Ecevit
Light Weight Semantic Segmentation: A Modified DDRNET Approach Trained on Cityscapes and COCO-Stuff Datasets for Efficient Image Analysis	Mina Zolfy Lighvan, Niloofar Azari Namin, Ehsan Gareaghaji, MohammadReza Rezaei	Mina Zolfy Lighvan
Linguistics for Crimes in the World by AI-Based Cyber Security	Maysaa Husham Bahget Abd Alkareem, Farah Qasim Nasif, Saadaldeen Rashid Ahmed, Lana Dlawar Miran, Sameer Algburi, Mohammed Thakir Almashhadany	Saadaldeen Rashid Ahmed
Long Term Short Memory with Particle Swarm Optimization for Crude Oil Price Prediction	Marina Yusoff, Muhammad Yusof Sharif Sharif, Mohamad Taufik Mohd Sallehud-din	Marina Yusoff
Machine Learning based Feature Optimization and Early Detection System in Heart Diseases	Erman Özer, Hasan Aydos	Erman Özer
MANET Routing Protocol Performance Comparison: DSDV, AODV, And DSR	Kamred Udham Singh, Ankit Kumar, Gaurav Kumar, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
Mass-Exchange Process in Emulsion Treatment with Demulsifier (Chemical Reagnet)	Shahnaz Shahbazova, Rena Asadova, Abbas Rzayev, Zafer Gurbanov	Shahnaz Shahbazova
Mixture Of Optical Quadrature-Phase Shift Keying And Continuous-Phase Frequency Shift Keying Advanced Methods For Monitoring Optical Performance In Future Photonic Networks	Duraid Khairi Yahya Al Hadeethi, Osman Nuri Uçan, Alaa Hamid Mohammed	Duraid Khairi Yahya Al Hadeethi
Multi-Disease Detection in Retinal Imaging Using Patch-Based Attention Mechanism	Orhan Sivaz, Murat Aykut	Orhan Sivaz
New Generation Server Management System: LİMAN	Mehmet Akif Nacar, Ömer Özkan, Arif Furkan Mendi, Özgür Umut Vurgun, Ali Orhun Akkirman, Hüseyin Berk Katı, Hasan Tolga Ünal	Hasan Tolga Ünal
No-Core Optical Fiber Sensor based on Surface Plasmon Resonance for Temperature Measurement	Nadia Ahmad Mohamad, Ali Al-Askery, Adnan Hussein Ali, Ansam Majid	Nadia Ahmad Mohamad
Optimization Of Wireless Power Transmission Through Resonant Coupling	Shouket A. Ahmed, Abadal-Salam T. Hussain, Mohammed Fadhil, Taha A. Taha, Hazry Desa, Omer K Ahmed	Mohammed Fadhil
Optimizing Energy Efficiency in Distributed Web Systems	Marian Ileana	Marian Ileana
Optimizing Handwritten Numeral Recognition For English And Devanagari Using MNIST And CPAR Data	Kamred Udham Singh, Ankit Kumar, Gaurav Kumar, Teekam Singh, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
Optimizing Switched Reluctance Motor Control with Direct Torque and Flux Control (DTFC) through PV Array Integration	Kassimi Youghourta, Arif Ali, Guettaf Abderrazak	Kassimi Youghourta
Overhead Power Line Inspection Using A Prediction Model Based On System Analysis Surveillance Of Temperature Using A Modeled Optical System	Ihsan Amjad Abdulateef, Sami Hasan, Alaa Hamid Mohammed, Sabah Ali Rahi, Mustafa Muslih Shwaysh, Harith A. Qaisi	Alaa Hamid Mohammed
Parallel JSO-Based Approach to Task Scheduling Problems in Cloud Systems	Mucahit Burkuk, Gungor Yildirim	Mucahit Burkuk
Performance Evaluation of a SCARA Robot Manipulator for Trajectory Tracking Based on Error Criteria Minimization	Dürdane Deliktaş, Rahim Aktaş, Sinan İlgen, Erdi Gülbahçe	Dürdane Deliktaş
Potential Use of Technical Virtual Power Plant Approach in Distribution Network for Mitigation of Contingencies	Obed Nelson Onsomu, Erman Terciyanlı , Kamil Çağatay Bayındır, Bülent Yeşilata	Obed Nelson Onsomu
Real Time Faults Transformer Protection System By Using Integrated Microcontroller	Taha A. Taha, Yasin Bektaş, Noof T. Mahmood, Abadal-Salam T. Hussain, Omer K Ahmed, Shouket A. Ahmed	Noof T. Mahmood
Resolving Controversial Situations using a Hybrid Decision-making Method based on Neuro-fuzzy Mathematical Apparatus	Shahnaz Shahbazova	Shahnaz Shahbazova
ROS Gazebo and MATLAB/Simulink Co-simulation for Cart-Pole system: A Framework for Design Optimization	Erdem ARSLAN, Memduh SUVEREN, Seyed Tofigh Hosseini Moghaddam	Seyed Tofigh Hosseini Moghaddam
RWRR: Remind Weighted Rounding Robin for Load Balancing in Fog Computing	Samah Ali, Raaid Alubady	Samah Ali
Secure Federations: Addressing the Security Challenges in Federated Learning and Privacy-Preserving AI	Elizabeth Ango Fomuso Ekellem	Elizabeth Ango Fomuso Ekellem
Sensor-less DTC Control of SRM for EV Using Artificial Intelligence	Housseem Eddine Mimouni, Abderazak Guettaf, Ali Arif	Housseem Eddine Mimouni
Smart IoT-Based Diabetes Management System	Ahmed A. Khalifa, Fatmah Ali Aldhanhani, Hashim Abdalla Al Zaabi, Korhan Cengiz	Korhan Cengiz

Smart Laser Scanning of Uzbekistan's Big Solar Furnace for Performance Optimization	Shakhzod Takhirov, Odilkhuja Parpiev, Zhavohir Shermatov, Anvar Zakhidov, Jamshid Avloni, Ravshan Shamansurov	Shakhzod Takhirov
Software in the Loop (SIL) Simulation for an Autonomous Multirotor Flight Planning and Landing with ROS and Gazebo	Mohammad Khaneghaei, Davood Asadi, Onder Tutsoy	Mohammad Khaneghaei
Spiking Neural Network For Enhanced Mobile Robots' Navigation Control	Brwa Abdulrahman Abubaker, Saadaldeen Rashid Ahmed, Ari Taha Guron, Mohammed Fadhil, Sameer Algburi, Bikhtiyar Friyad Abdulrahman	Saadalddeen Rashid Ahmed
Stand For Research And Optimization Of DC Electric Drives With Digital Program Control	Vladimir Hristov, Danail Slavov	Vladimir Hristov
Tailored Learning Rates for Reinforcement Learning: A Visual Exploration and Guideline Formulation	Martin Kaloev, Georgi Krastev	Martin Kaloev
The Hyperthermia Calculating In Head Blood By The Specific Absorption Rate (SAR) Influence In Novel Vision	Saif Mohamed Baraa Al-Sabti, Mustafa Maad Hamdi, Aqeel Nafea Abdulateef, Salah Shihab Hmad, Ahmed Salih Samir, Mohammed Derea Ali	Aqeel Nafea Abdulateef
Time Synchronization Sensitivity Analysis Of Power System Phasor Measurement Applications	Dalibor Brnobic, Srdjan Skok, Renata Rubesa	Srdjan Skok
TokenX: A Digital Sales Platform for B2C Payment and Finance Solutions	Vedat Coskun, Busra Ozdenizci Kose, Mustafa Ozan Capa	Vedat Coskun
Underrepresented Tones: Addressing Skin Bias in Medical Imaging for Eczema, Psoriasis, and Melanoma Detection Using CNNs	Elizabeth Ango Fomuso Ekelle, Lutz Köhler	Elizabeth Ango Fomuso Ekelle
User Behavior Analytics in Advanced Persistent Threats: A Comprehensive Review of Detection and Mitigation Strategies	Abdullah Al Mansur, Tanha Zaman	Abdullah Al Mansur
Using 3D Digital Tools to Create a Digital Musical Instrument For A System Called HapticSOUND	Nikolaos Efkolidis, Apostolos Tsagaris, Athanasios Manavis, Anastasios Tzotzis, Panagiotis Kyratsis	Nikolaos Efkolidis
Binary Classification for Attack Detection using Ensemble Machine Learning Models	Preeti Nutipalli, Surya Pavan Kumar Gudla, PESN KrishnaPrasad, Tanupriya Choudhury, Rohini A, V.Sree Lahari, Jagdish Chandra Patni	Rohini A
Wireless Power Transfer For Smart Power Outlet	Taha A. Taha, Mohammed Fadhil, Abadal-Salam T. Hussain, Shouket A. Ahmed, Hazry Desa, Mohammed M Mohammedshakir	Taha A. Taha

ISAS 2023
Technical Program

November 24, 2023

Time (GMT+3)	9:00 am - 11:00 am	Session 1.1. (ROOM1) Chair: Ebubekir Yasar	Session 1.2. (ROOM2) Chair: Koksal Erenturk	
	11:00 am - 11:30 am	Coffee Break		
	11:30 am - 12:30 pm	Session 2.1. (ROOM1) Keynote Speaker Prof. Dr. Koksal Erenturk, Atatürk University, Türkiye Prof. Dr. Shahnaz Shahbazova, The Azerbaijan State University of Economics UNEC, Azerbaijan <i>Chair: Ebubekir Yaşar</i>		
	12:30 pm - 1:30 pm	Lunch		
	1:30 pm - 3:30 pm	Session 3.1. (ROOM1) Chair: Shahnaz Shahbazova	Session 3.2. (ROOM2) Chair: Ebubekir Yasar	Session 3.3. (ROOM3) Chair: Oguzhan Pektezel
	3:30 pm - 4:00 pm	Coffee Break		
	4:00 pm - 6:30 pm	Session 4.1. (ROOM1) Chair: Turgut Ozseven	Session 4.2. (ROOM2) Chair: Oguzhan Pektezel	

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Time (GMT+3)	9:30 am - 11:00 am	Session 5.1. (ROOM1) Chair: Hasan Tolga Ünal	Session 5.2. (ROOM2) Chair: Korhan Cengiz
	11:00 am - 11:30 am	Coffee Break	
	11:30 am - 12:30 pm	Session 6.1. (ROOM1) Keynote Speaker Assoc. Prof. Dr. Zaza Davitadze, Batumi Rustaveli State, Georgia Assoc. Prof. Dr. Korhan Cengiz Istinye University, Türkiye <i>Chair: Ebubekir Yaşar</i>	
	12:30 pm - 1:30 pm	Lunch	
	1:30 pm - 3:30 pm	Session 7.1. (ROOM1) Chair: Korhan Cengiz	Session 7.2. (ROOM2) Chair: Ebubekir Yaşar

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SESSION 1.1. (ROOM1)	Date:	24 November 2023
Chair: Ebubekir Yaşar	Time (GMT+3):	09:00 am - 11:00 am
Paper	Author (s)	Speaker
117 - Implementing Generative AI and Large Language Models in Education	Neil Anderson, Aidan McGowan, Leo Galway, Philip Hanna, Matthew Collins, David Cutting	Neil Anderson
186 - Automatic Transformation of UML-RT Models into nuXmv Model Checker	Ruth Schorr	Ruth Schorr
21 - Underrepresented Tones: Addressing Skin Bias in Medical Imaging for Eczema, Psoriasis, and Melanoma Detection Using CNNs	Elizabeth Ango Fomuso Ekellem, Lutz Köhler	Elizabeth Ango Fomuso Ekellem
22 - Secure Federations: Addressing the Security Challenges in Federated Learning and Privacy-Preserving AI	Elizabeth Ango Fomuso Ekellem	Elizabeth Ango Fomuso Ekellem
98 - Machine Learning based Feature Optimization and Early Detection System in Heart Diseases	Erman Özer, Hasan Aydos	Erman Özer
76 - A Deep Artificial Neural Network-Based Daphne Leaf Classification Study	Yasemin Erkan, Ersin Alaybeyoğlu, Erdem Erkan	Ersin Alaybeyoğlu
94 - Effects of the Tap Staggering Volt/VAr Control Method on Online and Adaptive Protection System in Grids with Wind Energy Sources	Hakan Kasap, Mikail Pürlü, Belgin Türkay, Reza Ganjavi	Hakan Kasap
38 - Design of Majority Decoded Codes and Decoding Algorithm Based on Error Propagation Analysis	Zhuldyz Sailau Kyzy, Dina Satybaldina, Gulmira Danenova , Makhabbat Kokkoz , Nurlan Tashatov	Gulmira Danenova
87 - Implementing Deep Learning and CNNs for Vehicle Detection to Alleviate Highway Traffic Congestion.	Haider Adil Khaleel ALzubaidy, Abdullahi Abdu Ibrahim	Haider Adil Khaleel ALzubaidy
SESSION 1.2. (ROOM2)	Date:	24 November 2023
Chair: Koksal Erenturk	Time (GMT+3):	09:00 am - 11:00 am
Paper	Author (s)	Speaker
211 - Application of Multi-Sensor Road Feature Detection and Mapping in Kazakhstan and Development of Pole Detection and Analysis Procedure	Shakhzod Takhirov, Assel Nugmanova, Daniyar Koshimkhanov	Shakhzod Takhirov
213 - Smart Laser Scanning of Uzbekistan's Big Solar Furnace for Performance Optimization	Shakhzod Takhirov, Odilkhuja Parpiev, Zhavohir Shermatov, Anvar Zakhidov, Jamshid Avloni, Ravshan Shamansurov	Shakhzod Takhirov
93 - Creating a Smart Medical Bed with IoT Technology for Safe Transportation of Patients with Highly Infectious Diseases	Haneen Abdulhussein Hadi Hadi, Abdullahi Abdu Ibrahim	Haneen Abdulhussein Hadi Hadi
193 - Ethereum Blockchain Smart Contract Vulnerability Detection Using Deep Learning	Huseyin Okan Demir, Sule Zeynep Parlat, Abdurrahman Gumus	Huseyin Okan Demir
92 - Implementing an Internet of Things (IoT) System to Sort Recyclable Materials based on Color and Track the Quantity of Each Color-Coded Piece	Mohammed Abduljabbar Hayil Hayil, Abdullahi Abdu Ibrahim	Mohammed Abduljabbar Hayil Hayil
230 - MANET Routing Protocol Performance Comparison: DSDV, AODV, And DSR	Kamred Udham Singh, Ankit Kumar, Gaurav Kumar, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
150 - A Pretraining Strategy to Improve Faithfulness in Abstractive Text Summarization	Mohanad Alrefaai, Devrim Akgün	Mohanad Alrefaai
134 - Comparative Performance Evaluation of Fractional Fuzzy Inference System for A High-Order System	Mahmut Cengiz, Furkan Nur Deniz, Omerulfaruk Ozguven	Mahmut Cengiz

Cafee Break

SESSION 2.1. (ROOM1)	Date:	24 November 2023
Chair: Ebubekir Yasar	Time (GMT+3):	11:30 am - 12:30 pm
Keynote Speaker Prof. Dr. Koksal Erenturk Atatürk University, Türkiye		
Keynote Speaker Prof. Dr. Shahnaz Shahbazova The Azerbaijan State University of Economics UNEC, Azerbaijan		

Lunch Break

SESSION 3.1. (ROOM1) Chair: Shahnaz Shahbazova	Date:	24 November 2023
	Time (GMT+3):	1:30 pm - 4:30 pm
Paper	Author (s)	Speaker
5 - Long Term Short Memory with Particle Swarm Optimization for Crude Oil Price Prediction	Marina Yusoff, Muhammad Yusuf Sharif Sharif, Mohamad Taufik Mohd Sallehud-din	Marina Yusoff
46 - Energy Consumption Estimation Using Machine Learning with Data from Smart Meters in a Residential Complex Building in Iraq	Noor Malik Safaa Al-Shawwaf, Abdullahi Abdu Ibrahim, Saif Mohamed Baraa Al-Sabti	Noor Malik Safaa Al-Shawwaf
32 - Potential Use of Technical Virtual Power Plant Approach in Distribution Network for Mitigation of Contingencies	Obed Nelson Onsomu, Erman Terciyanlı , Kamil Çağatay Bayındır, Bülent Yeşilata	Obed Nelson Onsomu
190 - Effect of Viscous Damping Coefficient on Suppression of Structural Earthquake-Induced Vibrations with Tuned Liquid Column Dampers	Sefer Arda Serbes, Muaz Kemerli, Ahmet Aydın, Muhammed Necmeddin Sami İnanır, Tahsin Engin	Sefer Arda Serbes
191 - Experimental and Numerical Investigation of the Mitigation of Structural Vibrations Caused by Ground Acceleration with TLCD Application	Sefer Arda Serbes, Hüseyin Dal, Muhammed Necmeddin Sami İnanır, Muaz Kemerli, Ahmet Aydın, Erkan Çelebi, Tahsin Engin	Sefer Arda Serbes
241 - Detection of Malicious SQL Injections Using SVM and KNN Algorithms	Sameer Abduljabbar Kadhim Hacham, Osman Nuri Uçan	Sameer Abduljabbar Kadhim Hacham
242 - Fault Diagnosis in Overhead Power Line Using Deep Belief Network	Qader Farhan Abed Abed, Osman Nuri Uçan	Qader Farhan Abed Abed
23 - ROS Gazebo and MATLAB/Simulink Co-simulation for Cart-Pole system: A Framework for Design Optimization	Erdem ARSLAN, Memduh SUVEREN, Seyed Tofigh Hosseini Moghaddam	Seyed Tofigh Hosseini Moghaddam
133 - Mass-Exchange Process in Emulsion Treatment with Demulsifier (Chemical Reagent)	Shahnaz Shahbazova, Rena Asadova, Abbas Rzayev, Zafer Gurbanov	Shahnaz Shahbazova
84 - Resolving Controversial Situations using a Hybrid Decision-making Method based on Neuro-fuzzy Mathematical Apparatus	Shahnaz Shahbazova	Shahnaz Shahbazova

SESSION 3.2. (ROOM2) Chair: Ebubekir Yasar	Date:	24 November 2023
	Time (GMT+3):	1:30 pm - 4:30 pm
Paper	Author (s)	Speaker
153 - ANOVA Method Reveals Key Factors Influencing Geopolymer Strength: A Comprehensive Evaluation of Input Variables	Yıldıran Yılmaz, Talip Çakmak, Zafer Kurt	Talip Çakmak
108 - No-Core Optical Fiber Sensor based on Surface Plasmon Resonance for Temperature Measurement	Nadia Ahmad Mohamad, Ali Al-Askery, Adnan Hussein Ali, Ansam Majid	Nadia Ahmad Mohamad
2 - LiDAR Tabanlı 3B Yığın Stok Kütlesi Ölçümü	Abdullah Özcan, Gürcan Durukan, Furkan Ecevit, Lütfü Çakıl, Hüseyin Kara	Furkan Ecevit
188 - Fully Automated Axial Plane Segmentation of Cervical Spinal Cord using U-Net in MR Scans	Rukiye Polattimur, Emre Dandıl, Mehmet Süleyman Yıldırım, Abdullah Utku Şenol, Zülbiye Eda Tezel, Ali Osman Selvi, Sibel Canbaz Kabay	Rukiye Polattimur
170 - Application of Machine Learning Methods for Controlling a Catalytic Cracking Plant	Dinara Kozhakhmetova , Yerbol Ospanov, Salavat KHidoyatov, Ainur Mukhanbetkaliyeva , Tursynkhan Zhylkybayev, Baktygul Assanova	Dinara Kozhakhmetova
231 - Combating VoIP Spam: A Real-Time Algorithmic Approach	Ankit Kumar, Kamred Udham Singh, Gaurav Kumar, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
232 - Optimizing Handwritten Numeral Recognition For English And Devanagari Using MNIST And CPAR Data	Kamred Udham Singh, Ankit Kumar, Gaurav Kumar, Teekam Singh, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
245 - Comparison Of YOLOv8 And Detectron2 On Crowd Counting Techniques	Mehul Wadhwa, Tanupriya Choudhury, Gaurav Raj, Jagdish Chandra Patni	Gaurav Raj
20 - Development of Coke Chambers Models of Delayed Coking Unit under uncertain initial information	Baktygul Assanova, Batyr Orazbayev, Zhanna Shangitova, Zhadra Moldasheva, Kulman Orazbayeva, Dinara Kozhakhmetova	Baktygul Assanova
49 - Using 3D Digital Tools to Create a Digital Musical Instrument For A System Called HapticSOUND	Nikolaos Efkolidis, Apostolos Tsagaris, Athanasios Manavis, Anastasios Tzotzis, Panagiotis Kyratsis	Nikolaos Efkolidis
174 - Assessing Audio-Based Transformer Models for Speech Emotion Recognition	Ulku Bayraktar, Hasan Kilimci, Hakan Kilinc, Zeynep Hilal Kilimci	Zeynep Hilal Kilimci

SESSION 3.3. (ROOM3) Chair: Oguzhan Pektezel		Date:	24 November 2023
		Time (GMT+3):	1:30 pm - 4:30 pm
Paper	Author (s)	Speaker	
128 - User Behavior Analytics in Advanced Persistent Threats: A Comprehensive Review of Detection and Mitigation Strategies	Abdullah Al Mansur, Tanha Zaman	Abdullah Al Mansur	
107 - Effective Energy Conversion Design for An Electric Vehicle Integrating Solar Energy with An Effective Braking System: A Case Study In Nicosia	Adeleye Otepolo, Lida Ebrahimi Vafaei	Adeleye Otepolo	
124 - A Survey Study on Secure Image Transmission and Noncoherent Chaos Communication System	Yasmine M. Khazaal, Ali Douik, Monji Kherallah	Yasmine M. Khazaal	
73 - BC-4Track: A Blockchain based System for Vehicle Tracking Management	Vedat Coskun, Mohammed Alsadi, Busra Ozdenizci Kose, Hacı Ali Mantar, Mikail Abdullah Oral	Vedat Coskun	
55 - A Generic Remote Key Loading Method for Enhancing Payment Systems	Busra Ozdenizci Kose, Vedat Coskun, Hakan Uluoz	Vedat Coskun	
56 - TokenX: A Digital Sales Platform for B2C Payment and Finance Solutions	Vedat Coskun, Busra Ozdenizci Kose, Mustafa Ozan Capa	Vedat Coskun	
48 - Healthcare opportunities through Blockchain	Veselin Chobanov	Veselin Chobanov	
227 - Time Synchronization Sensitivity Analysis Of Power System Phasor Measurement Applications	Dalibor Brnobic, Srdjan Skok, Renata Rubesa	Srdjan Skok	
195 - A Novel Time of Use Tariff Scheme Using Artificial Hummingbird Algorithm for Demand Side Management of a Residential City in Bangladesh	Asif Ur Rahman Adib, Wasik Billah Ibn Rashid, Md. Asib Rahman Jahin, Hasan Jamil Apon, Md. Shadman Abid	Wasik Billah Ibn Rashid	
196 - Exploration Strategies in Adaptive Traffic Signal Control: A Comparative Analysis of Epsilon-Greedy, UCB, Softmax, and Thomson Sampling	Saidulu Thadikamalla, Piyush Joshi	Saidulu Thadikamalla	
157 - Integration of Wi-Fi, VLC, WiMAX, 4G, and 5G Technologies in Vehicular Ad Hoc Networks: A Comprehensive Review	Mounira Hendaoui	Mounira Hendaoui	

Cafee Break

SESSION 4.1. (ROOM1) Chair: Turgut Özseven		Date:	24 November 2023
		Time (GMT+3):	5:00 pm - 7:30 pm
Paper	Author (s)	Speaker	
105 - Sensor-less DTC Control of SRM for EV Using Artificial Intelligence	Housseem Eddine Mimouni, Abderazak Guettaf, Ali Arif	Housseem Eddine Mimouni	
36 - Advancing Human-Machine Interaction: Speech and Natural Language Processing	Ali Berkol, İdil Gökçe Demirtaş	Ali Berkol	
10 - Energy Consumption Level Classification using Stepwise Dynamic Nearest Neighbor Algorithm	Deniz Karabaş, Derya Birant, Pelin Yıldırım Taşer	Deniz Karabaş	
27 - Assessing the Impact of ChatGPT in a PHP Programming Course	Jana Alhadj, Melike Sah	Jana Alhadj	
106 - An adaptive Particle Swarm Optimization to Solve Modern Security System	Mohammed Ahmed, Asaad Hashim, Khalid Hussein	Mohammed Ahmed	
198 - Artificial Intelligence Computer-Aided Diagnosis to Automatically Predict the Pediatric Wrist Trauma using Medical X-ray Images	Elif Merve Erzen, Ertan Bütün, Mugahed A. Al-antari, Radhwan A. A. Saleh, Daniel Addo	Elif Merve Erzen	
246 - Forecasting Power Consumption Of Home Appliances Using LSTM	Preeti Nutipalli, P E S N KrishnaPrasad, Rohini A, Tanupriya Choudhury, V SreeLahari, Surya Kala Eswari, Jagdish Chandra Patni	Preeti Nutipalli	
158 - Optimizing Switched Reluctance Motor Control with Direct Torque and Flux Control (DTFC) through PV Array Integration	Kassimi Youghourta, Arif Ali, Guettaf Abderrazak	Kassimi Youghourta	
24 - Parallel JSO-Based Approach to Task Scheduling Problems in Cloud Systems	Mucahit Burkuk, Gungor Yildirim	Mucahit Burkuk	
171 - Holistic Methodology for Analyzing Power System Contingencies of 33KV Network for Grid Reliability Assessment: A Comprehensive Study	Dewan Ashikur Rahaman, Md.Minhaj Pathan, Md. Yakub Hassan, Md.Masum Howlader, Md.Shazzad Dewan, Aive Alamgir	Dewan Ashikur Rahaman	

SESSION 4.2. (ROOM2) Chair: Oguzhan Pektezel	Date:	24 November 2023
	Time (GMT+3):	5:00 pm - 7:30 pm
Paper	Author (s)	Speaker
54 - Tailored Learning Rates for Reinforcement Learning: A Visual Exploration and Guideline Formulation	Martin Kaloev, Georgi Krastev	Martin Kaloev
197 - Analysis Of Key Factor For Energy Efficiency Of Passenger Ships - Shore Power Supply	Ginka Ivanova, Milen Duganov	Milen Duganov
206 - Optimizing Energy Efficiency in Distributed Web Systems	Marian Ileana	Marian Ileana
52 - An Innovative Risk Score Based Corporate Access Control Management System	Busra Ozdenizci Kose, Vedat Coskun, Arslan Coskun	Vedat Coskun
53 - CloudSpot: Enhancing Wi-Fi Hotspot Management with Cloud-driven Innovations	Busra Ozdenizci Kose, Vedat Coskun, Senol Yaya	Vedat Coskun
194 - Stand For Research And Optimization Of DC Electric Drives With Digital Program Control	Vladimir Hristov, Danail Slavov	Vladimir Hristov
185 - From Dungeons to Dashboards: Integrating Game-Based Character Sheet in University Environment	Milen Sotirov, Donika Nikolova-Sotirova, Todorka Georgieva, Valentina Petrova	Milen Sotirov
152 - Developing a Portable Smart Ventilator: A Prototype that Balances Cost and Functionality	Shereen Qisam Bless, Jameel Kadhim Abed, Mohannad Jabbar Mnati	Shereen Qisam Bless
16 - Classification of Sign language Using VGG16 and VGG19	Basel A. Dabwan, Fekry A. Olayah, Hanan T. Halawani, Aisha M. Mashraqi, Yahya A. Abdelrahman, Ahlam F. Shamsan	Basel A. Dabwan
154 - An Ontology Learning Framework for unstructured Arabic Text	Mohammad Taye, Rawan Abulail, Mohammad Al-Oudat	Mohammad Taye
158 - Optimizing Switched Reluctance Motor Control with Direct Torque and Flux Control (DTFC) through PV Array Integration	Kassimi Youghourta, Arif Ali, Guettaf Abderrazak	Kassimi Youghourta
171 - Holistic Methodology for Analyzing Power System Contingencies of 33KV Network for Grid Reliability Assessment: A Comprehensive Study	Dewan Ashikur Rahaman, Md.Minhaj Pathan, Md. Yakub Hassan, Md.Masum Howlader, Md.Shazzad Dewan, Aive Alamgir	Dewan Ashikur Rahaman

SESSION 5.1. (ROOM1) Chair: Hasan Tolga Ünal	Date:	25 November 2023
	Time (GMT+3):	09:00 am - 11:00 am
Paper	Author (s)	Speaker
222 - Enhancing Trajectory Following in VTOL Cargo UAVs: Adaptive Control in Changing Payload Scenarios	Ahmet Sadık Duru, Tolga Ozaslan, Servet Soyguder	Ahmet Sadık Duru
103 - Improving the Route Planning of Battery Electric Freight Vehicles through Speed Optimization	Bülent Çatay, Reza Eshtehadi	Bülent Çatay
151 - Elderly Fall Detection System with ESP32 Module and Edge Impulse Studio	Oğuz Za, Dilara Bayar, Ceren Aridici, Yağız Sedat Metin, Rifat Edizkan	Ceren Aridici
33 - Light Weight Semantic Segmentation: A Modified DDRNET Approach Trained on Cityscapes and COCO-Stuff Datasets for Efficient Image Analysis	Mina Zolfy Lighvan, Niloofar Azari Namin, Ehsan Gareaghaji, MohammadReza Rezaei	Mina Zolfy Lighvan
88 - Design and Frequency Characterization of a Rose Antenna Produced with 3D Printing	Yeliz Sakine Tanaydın, Mehmet Duman	Yeliz Sakine Tanaydın
250 - Cyber Security Method For Phishing And Malicious Link Detection In Social Meda Using Data Mining Techniques	Hadeel Basil Saadallah, Osman Nuri Uçan	Hadeel Basil Saadallah
166 - Design and Implementation of a Character Printing System Using EOG Signals	Aytek Sarıçam, Cengiz tepe, Aws Mohammed Nafea Nafea	Aytek Sarıçam
209 - Evaluation of Feature Detection and Extraction Methods for Landmark Separability in Visual Localization	Ali Ömer Baykar, Jens Lambrecht, Ayhan Kural	Ali Ömer Baykar
175 - New Generation Server Management System: LİMAN	Mehmet Akif Nacar, Ömer Özkan, Arif Furkan Mendi, Özgür Umut Vurgun, Ali Orhun Akkırman, Hüseyin Berk Katı, Hasan Tolga Ünal	Hasan Tolga Ünal

SESSION 5.2. (ROOM2) Chair: Korhan Cengiz	Date:	25 November 2023
	Time (GMT+3):	09:00 am - 11:00 am
Paper	Author (s)	Speaker
210 - Emotion Recognition of Humans using modern technology of AI: A Survey	Ahmed Adil Mohammed Alheeti, Mustafa Muhanad M.Salih , Alaa Hamid Mohammed, Mostafa A. Hamood, Nemer Radhwan Khudhair, Ahmed Thair Shakir	Ahmed Adil Mohammed Alheeti
229 - High-Frequency Waves Of The Fifth Generation And Their Effects On The Head And Their Consequences For New Perspectives	Saif Mohamed Baraa Al-Sabti, Alaa Hamid Mohammed, Ali Mustafa, Abdulrahman Maadh Saadi, Aqeel Nafea Abdulateef, Dogu Cagdas Atilla	Alaa Hamid Mohammed
127 - Achieving Optical Fiber Transmission of Over 60 W of Electrical Power and Optical Data	Alaa Tareq Al-hadeethi, Osman Nuri Uçan, Alaa Hamid Mohammed	Alaa Tareq Al-hadeethi
228 - Mixture Of Optical Quadrature-Phase Shift Keying And Continuous-Phase Frequency Shift Keying Advanced Methods For Monitoring Optical Performance In Future Photonic Networks	Duraïd Khairi Yahya Al Hadeethi, Osman Nuri Uçan, Alaa Hamid Mohammed	Duraïd Khairi Yahya Al Hadeethi
167 - Software in the Loop (SIL) Simulation for an Autonomous Multicopter Flight Planning and Landing with ROS and Gazebo	Mohammad Khaneghaei, Davood Asadi, Onder Tutsoy	Mohammad Khaneghaei
243 - A Compressive Study on Detection Accuracy Model for DoS Attack in SDN Using Ensemble Learning Techniques	Sindhu Pusarla, Umashankar Ghugar, Turgut Ozseven, Bhupesh Kumar Dewangan, Tanupriya Choudhury, Jagdish Chandra Patni	Tanupriya Choudhury
244 - Failure Prediction Model For Prognostic Health Management In Machine Systems	Ravi Kumar Sachdeva, Priyanka Bathla, Pooja Rani, Rohit Lamba, Anurag Jain, Tanupriya Choudhury, Jagdish Chandra Patni	Tanupriya Choudhury
177 - Performance Evaluation of a SCARA Robot Manipulator for Trajectory Tracking Based on Error Criteria Minimization	Dürdane Deliktaş, Rahim Aktaş, Sinan İlgen, Erdi Gülbahçe	Dürdane Deliktaş
172 - Smart IoT-Based Diabetes Management System	Ahmed A. Khalifa, Fatmah Ali Aldhanhani, Hashim Abdalla Al Zaabi, Korhan Cengiz	Korhan Cengiz

Cafee Break

SESSION 6.1. (ROOM1) Chair: Ebubekir Yasar	Date:	25 November 2023
	Time (GMT+3):	11:30 am - 12:30 pm
Keynote Speaker Assoc. Prof. Dr. Zaza Davitadze Batumi Rustaveli State, Georgia		
Keynote Speaker Assoc. Prof. Dr. Korhan Cengiz Istinye University, Türkiye		

Lunch Break

SESSION 7.1. (ROOM1) Chair: Korhan Cengiz	Date:	25 November 2023
	Time (GMT+3):	1:30 pm - 3:30 pm
Paper	Author (s)	Speaker
155 - Explainable Artificial Intelligence Computer-Aided Diagnosis for Heart Myocardial Infarction	Radhwan A. A. Saleh, Humam AbuAlkebash, Alaa Aldeen Mohammed, Daniel Addo, Ertan Bütün, Mugahed A. Al-antari	Humam AbuAlkebash
47 - A Novel Attention-based Explainable Deep Learning Framework Towards Medical Image Classification	Gladys W. Muoka, Ding Yi, Chiagoziem Chima Ukwuoma, Moindi Duke Martin, Ahmet Arif Aydin, Mugahed A. Al-antari	Mugahed A. Al-antari
75 - Detection of Distributed Denial-of-Service (DDoS) Attack with Hyperparameter Tuning Based on Machine Learning Approach	Wan Nurulsafawati Wan Manan, Choo Yong Han	Wan Nurulsafawati Wan Manan
119 - Explainable Multiscale Kernel Depth-wise Separable Convolutional Framework with Attention for COVID-19 Prediction from Chest X-ray	Daniel Addo, Mugahed A. Al-antari , Shijie Zhou, Kwabena Sarpong, Peter Atandoh, Edward Mensah Acheampong, Gladys Wavinya Muoka , Radhwan A. A. Saleh	Radhwan A. A. Saleh
14 - Automatic Clustering by Geometric Method of Tangent Lines with Points	Leyli Mohammad Khanli, Mitra Mansour, Shahin Pourbahrami	Leyli Mohammad Khanli
15 - Increasing Artificial Intelligence's Context-Dependent Grasping, through Cloninger's Planes of Being Theory	Leyli Mohammad Khanli, Alireza Farnam	Leyli Mohammad Khanli
156 - Multi-Disease Detection in Retinal Imaging Using Patch-Based Attention Mechanism	Orhan Sivaz, Murat Aykut	Orhan Sivaz
99 - Enhanced Preprocessing Stage For Feature Extraction of Deepfake Detection Based on Deep Learning Methods	Mohamed Abdulhamid, Asaad Hashim	Mohamed Abdulhamid
122 - Efficient Resource Management in IoTs Using Evolutionary and Swarm Intelligence Algorithms	Keshav Dev Gupta, Korhan Cengiz, Charu Awasthi, Siva Akash Ramini, Shyamapriya Chatterjee, Pavithra M	Korhan Cengiz

SESSION 7.2. (ROOM2) Chair: Ebubekir Yasar	Date:	25 November 2023
	Time (GMT+3):	1:30 pm - 3:30 pm
Paper	Author (s)	Speaker
63 - RWRR: Remind Weighted Rounding Robin for Load Balancing in Fog Computing	Samah Ali, Raaid Alubady	Samah Ali
168 - Detection and Classification of Agricultural Pest and Vermin's using Full-Convolutional Neural Network	Ali Raad Abdulrazzaq, Ayça Kurnaz Türkben, Sefer Kurnaz	Ali Raad Abdulrazzaq
224 - A Machine Learning Approach To Employee Performance Prediction Within Administrative Information Systems	Aso Kurdo Ahmed, Saif Qudama Younus, Saadaldeen Rashid Ahmed, Sameer Algburi, Mohammed A. Fadhil	Saadalddeen Rashid Ahmed
225 - Linguistics for Crimes in the World by AI-Based Cyber Security	Maysaa Husham Bahget Abd Alkareem, Farah Qasim Nasif, Saadaldeen Rashid Ahmed, Lana Dlawar Miran, Sameer Algburi, Mohammed Thakir Almashhadany	Saadalddeen Rashid Ahmed
233 - Wireless Power Transfer For Smart Power Outlet	Taha A. Taha, Mohammed Fadhil, Abadal-Salam T. Hussain, Shouket A. Ahmed, Hazry Desa, Mohammed M Mohammedshakir	Taha A. Taha
234 - GPS And GSM Based Vehicle Tracking System	Abadal-Salam T. Hussain, Mohammed Fadhil, Taha A. Taha, Omer K Ahmed, Shouket A. Ahmed , Hazry Desa	Mohammed Fadhil
235 - Automated RFID-Based Attendance And Access Control System For Efficient Workforce Management	Abadal-Salam T. Hussain, Taha A. Taha , Saadaldeen Rashid Ahmed, Shouket A. Ahmed, Omer K Ahmed, Hazry Desa	Mohammed Fadhil
236 - Optimization Of Wireless Power Transmission Through Resonant Coupling	Shouket A. Ahmed, Abadal-Salam T. Hussain, Mohammed Fadhil, Taha A. Taha, Hazry Desa, Omer K Ahmed	Mohammed Fadhil
237 - Real Time Faults Transformer Protection System By Using Integrated Microcontroller	Taha A. Taha, Yasin Bektaş, Noof T. Mahmood, Abadal-Salam T. Hussain, Omer K Ahmed, Shouket A. Ahmed	Noof T. Mahmood

SESSION 7.3. (ROOM3) Chair: Turgut Ozseven	Date:	25 November 2023
	Time (GMT+3):	1:30 pm - 3:30 pm
Paper	Author (s)	Speaker
238 - High Pressure Water Solar Collector As Potential Of Mini Steam Power Plant In Iraq	Hussein I. Zaynal, Abadal-Salam T. Hussain, Taha A. Taha, Alaa. A. Yass, Saadaldeen Rashid Ahmed, Shouket A. Ahmed	Saadaldeen Rashid Ahmed
241 - Detection of Malicious SQL Injections Using SVM and KNN Algorithms	Sameer Abduljabbar Kadhim Hacham, Osman Nuri Uçan	Sameer Abduljabbar Kadhim Hacham
242 - Fault Diagnosis in Overhead Power Line Using Deep Belief Network	Qader Farhan Abed Abed, Osman Nuri Uçan	Qader Farhan Abed Abed
239 - Spiking Neural Network For Enhanced Mobile Robots' Navigation Control	Brwa Abdulrahman Abubaker, Saadaldeen Rashid Ahmed, Ari Taha Guron, Mohammed Fadhil, Sameer Algburi, Bikhtiyar Friyad Abdulrahman	Saadaldeen Rashid Ahmed
240 - An Automation Perception For Cotton Crop Disease Detection Using Machine Learning	Ritu Aggarwal, Eshaan Aggarwal, Anurag Jain, Tanupriya Choudhury, Ketan Kotecha	Tanupriya Choudhury
247 - Binary Classification for Attack Detection using Ensemble Machine Learning Models	Preeti Nutipalli, Surya Pavan Kumar Gudla, PESN KrishnaPrasad, Tanupriya Choudhury, Rohini A, V.Sree Lahari, Jagdish Chandra Patni	Rohini A
248 - A Proposed Framework For Smart Geo-fencing For Religious Places	Ankit Vishnoi, Tanupriya Choudhury, Jagdish Chandra Patni, Ayan Sar	Jagdish Chandra Patni
251 - Overhead Power Line Inspection Using A Prediction Model Based On System Analysis Surveillance Of Temperature Using A Modeled Optical System	Ihsan Amjad Abdulateef, Sami Hasan, Alaa Hamid Mohammed, Sabah Ali Rahi, Mustafa Muslih Shwaysh, Harith A. Qaisi	Alaa Hamid Mohammed
252 - The Hyperthermia Calculating In Head Blood By The Specific Absorption Rate (SAR) Influence In Novel Vision	Saif Mohamed Baraa Al-Sabti, Mustafa Maad Hamdi, Aqeel Nafea Abdulateef, Salah Shihab Hmad, Ahmed Salih Samir, Mohammed Dereaa Ali	Aqeel Nafea Abdulateef