



7th International Congress on Human-Computer Interaction, Optimization and Robotic Applications

ACCEPTED PAPERS

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ICHORA2025 Accepted Papers

ID	Title	Author(s)	Speaker	Pub.	P.Type
1	Comparative Analysis of Normal and ASD EEG Data Using Hjorth Parameters	Muliyadi Muliyadi, Melinda Melinda, Yuwaldi Away, Syahrul Gazali	Muliyadi Muliyadi	IEEE	In-person
15	Precision Rainfall Prediction System Using Artificial Neural Network	Izzat Izzudin Zulkarnain, Ummu Fatimah Mohd Bahrin, Sharifah Nurulhikmah Syed Yasin, Siti Nurul Hatatie Ishak, Rajeswari Raju	Ummu Fatimah Mohd Bahrin	IEEE	In-person
17	Cost Distribution in ICT Infrastructure During the AI Era: A Model for Data Centers, Power Grids, and Telecommunications	Ioannis Patias	Ioannis Patias	IEEE	Virtual
18	A Securing Transmitted Data in Internet of Autonomous Vehicles	Abdulrahman Alamer, Sultan Basudan, Yunus AlQasim	Abdulrahman Alamer	IEEE	In-person
26	SAM Based Automatic Object Segmentation Based on User Selection	Muhammet Tarik Yılmaz, Muhammed Ali Pala	Muhammet Tarik Yılmaz	IEEE	In-person
27	A Unique Web 3 Product-NFT Usage in Healthcare	Hüseyin Ünözkan	Hüseyin Ünözkan	IEEE	In-person
28	Application of Generative Artificial Intelligence from Neural Networks in Data Centers	Antonio Cortes	Antonio Cortes	IEEE	Virtual
29	Artificial Intelligence in Telehealth: Enhancing Diagnostic, Monitoring, and Accessibility Solutions	Saket Ganti	Saket Ganti	IEEE	Virtual
30	Improving the Contextual Understanding of LLMs through Multi-Teacher Knowledge Distillation and RAG	Yashaswini Ippili, Vruddhi K Jain, Yash Dixit, Gautam Saraf, V.R. Badri Prasad	Vruddhi K Jain	IEEE	Virtual
32	Capturing Aerodynamic Characteristics of ATTAS Aircraft with Evolving Intelligent System	Aydoğan Soylu, Tufan Kumbasar	Aydoğan Soylu	IEEE	In-person
33	Elliptical Antenna Array Synthesis using Puma Optimization Algorithm	Ali Durmuş, Fırat Özbay	Fırat Özbay	IEEE	In-person
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45	Global Numerical Optimization Using Tent Chaotic Maps and Golden Sine Mechanism Enhanced Artificial Electric Field Algorithm	Afi Feda, Ezgi Ulker, Abosede Tibetan, Opeoluwa Ojekemi, Oluwaseun Ojekemi, Oluwatayomi Adegboye	Oluwatayomi Adegboye	IEEE	Virtual
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54	MEGUX: A UX Model for Mobile Educational Game Evaluation	Sharifah Nurulhikmah Syed Yasin, Roslina Ibrahim	Sharifah Nurulhikmah Syed Yasin	IEEE	In-person
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57	Efficient Path Planning for Differential Drive Mobile Robots Using the Rapidly-Exploring Random Tree (RRT) Algorithm	David W. Simone, Jean M. Pavos, Nahom Kidane, Muhammed Nurullah Avran	Muhammed Nurullah Avran	IEEE	Virtual

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59	Brain Tumor Classification using Deep Learning: Robustness Against Adversarial Attacks and Defense Strategies	Hafsa Khalid, Cem Direkoglu	Hafsa Khalid	IEEE	Virtual
60	Recognition of Hand Gestures Using a Smart Glove with Inductive Sensors	Shokoufeh Davarzani, Maryam Ravan, Reza K. Amineh	Shokoufeh Davarzani	IEEE	Virtual
61	Optimized YOLOv8 (YOLO-Prime), M-CNN, and Dynamic Linear Regression for Real-Time Aerial Vehicle Detection in Embedded Systems	Halil Hüseyin Çalışkan, Talha Koruk	Halil Hüseyin Çalışkan	IEEE	In-person
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70	Kansei Engineering Applications to Multifunctional Cooker	Nimet Karabacak	Nimet Karabacak	IEEE	In-person
71	Travel time estimation of New York City taxis: An ensemble machine learning model	Resul Özdemir, Murat Taşyürek, Veysel Aslantaş	Resul Özdemir	IEEE	Virtual
72	Products Purchased by Those Who Viewed This Item	Enis Teper, Mustafa Keskin, Okan Kaya, Semih Albayrak	Enis Teper	IEEE	In-person
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78	Improved YOLOv9 for Real-Time Traffic Sign Detection in Intelligent Transportation Systems	Behiye Sahin, Ipek Neslihan Alpugan	Behiye Sahin	IEEE	Virtual
79	Enhancing Occupational Safety through Deep Learning-Based Helmet Detection in Hazardous Workplaces	Koksal Semercigil, Ipek Neslihan Alpugan, Behiye Sahin, Mehmet Metin Bozbey	Behiye Sahin	IEEE	Virtual
80	Scalable Optimization for Drone and Mobile Robot Routing Using Genetic Algorithms	Orxan Shahbazov, Ilqar Mamishov, Nesli Elxansoy, Zeynep Sahutoglu	Zeynep Sahutoglu	IEEE	Virtual
81	The Impact of Aerial Vehicle Quantity and Battery Capacity on Task Route Planning in Multi-Hybrid Systems	Sukur Mehraliyeva, Nesli Elxansoy, Orxan Shahbazov, Zeynep Sahutoglu	Zeynep Sahutoglu	IEEE	Virtual
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94	Efficiency of Adding a New Template to Network Management System and Zabbix Application	Mehmet Kara, Gökhan Tuğrul	Mehmet Kara	IEEE	In-person
95	Development of a Virtual Reality Traffic Simulation to Analyze Road User Behavior	Ahmad Mohammadi, Peter Park, Mehdi Nourinejad, Muhammed Shijas Babu Cherakkatil	Ahmad Mohammadi	IEEE	In-person
97	Introducing Interval Neural Networks for Uncertainty-Aware System Identification	Mehmet Ali Ferah, Tufan Kumbasar	Mehmet Ali Ferah	IEEE	Virtual
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99	Investigating EEG Band Dynamics in Motor Imagery Tasks: A Topographic Brain Mapping Study of a BCI-Trained Individual	Esra Kaya, İsmail Sarıtaş	Esra Kaya	IJMSIT	Virtual
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123	Design of Assistive Wearable Smart Belt for Patients with Parkinson s Disease	İdil Yemez, Melek Seza Körlü, Atajan Rovshenov	İdil Yemez	IEEE	Virtual
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127	Detection of Brain Tumors with AI Techniques	Can Yeşilaras, Sarp Yıldız, Atajan Rovshenov, Ali İhsan Sarı	Can Yeşilaras	IEEE	Virtual
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131	Open-Circuit Fault Detection in T-Type MLI Using XGBoost: A Machine Learning-Based Approach	Murat Karakılıç, Hasan Hataş, İshak Pacal	Murat Karakılıç	IEEE	Virtual
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135	Detecting Clickbait Turkish Titles in YouTube Videos Using Machine Learning	Enes Baydar, Mürsel Uçar, Sibel Dağ, Zeliha Ergül Aydın	Mürsel Uçar	Abstract	Virtual
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164	Advanced Energy Management in Microgrids: Leveraging Machine Learning and IoT for Optimization and Sustainability	Hanane Tasmant, Badre Bossoufi	Hanane Tasmant	IEEE	In-person
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169	Comparative Study of EKF and SPKF for SOC Estimation of Lithium-ion Batteries	Ahmet Melih Gurbuz, Guven Komurgoz Kiris	Ahmet Melih Gurbuz	IEEE	In-person
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197	AdStreamAI: AI-Driven Personalize Advertisement System for Streaming Platforms	Vishal Kumar, Askit Kumar	Vishal Kumar	IEEE	Virtual
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201	Plant Disease Classification Using an Ensemble Learning Model of Convolutional Neural Networks and Vision Transformers	David Aderinwale, Melike Sah	David Aderinwale	IEEE	Virtual
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226	LQG/LTR Controller Design to Single-Link Rotary Flexible Joint	Furkan Yazıcı, Ufuk Güner	Furkan Yazıcı	IJMSIT	Virtual
227	Deep-Learning-Based Image Preprocessing and Classification for Kidney Disease Detection in CT Scans	William Olurotimi Falana, Ali Serener, Ayodeji Falana, Samuel Nii Tackie	William Olurotimi Falana	IEEE	Virtual
228	A Universal Method of Digital Content Integrity Expertise	Ivan Bobok, Alla Kobozieva, Oleksandr Laptiev, Viktor Speranskyy	Viktor Speranskyy	IEEE	Virtual
229	Detection of Tobacco Use through Motion Analysis from Camera Images	Zilan Aze Karabay, Mustafa Özden	Zilan Aze Karabay	IEEE	In-person
230	NLP-Driven Fake News Detection: A Machine Learning Perspective	Mert Korkut Çoban, Gokhan Bakal	Mert Korkut Çoban	IEEE	In-person

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234	Screen-cam Resistant Watermarking for Turkish Document Images	Efe Yılmaz Taşyürek, Abdullah Himmet Özcan, Sevinç İlhan Omurca, Erol Gerçeker, Hüseyin Kara	Efe Yılmaz Taşyürek	IEEE	In-person
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262	A New Class of Dai-Liao Method for Solving Iteration Problems	Basim A. Hassan, Marwa Muthana Mohammed	Basim A. Hassan	IEEE	Virtual
263	A Novel Framework to Reduce Response Times for Fire Stations	Masoud Amirdadi, Ahmad Mohammadi, Peter Park, Mehdi Nourinejad, Adriano Solis, Deryn Rizzi, Tracey Martino	Masoud Amirdadi	Poster	In-person
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265	Speech Emotion Recognition Using Hybrid Deep Learning Models and Diverse Acoustic Features	Oluwafemi Ebenezer, Eliane Nsenga, Melike Sah	Oluwafemi Ebenezer	IEEE	Virtual
267	Shadow Users: Cyber-Physical Threats from a Human Computer Interaction Perspective	Andrew George Peck, Iain Phillips, Tim Watson	Andrew George Peck	IEEE	In-person
268	Implementing a Method for Privilege Escalation Attacks in Windows Systems	Esra Calik Bayazit, Merve Arac	Merve Arac	IEEE	Virtual
269	Design and Development of a Modular Mission Control Board for Autonomous Systems	Şiar Tunçdemir, Ömer Can Tolun	Şiar Tunçdemir	IEEE	Virtual
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271	Handling Class Imbalance Problem for Diabetic Retinopathy Fundus Image Classification	Chibuzor Iluno, Melike Sah	Chibuzor Iluno	IEEE	Virtual
272	Integrating Physical Effects into Action-Conditioned Frame Prediction for Robotic Manipulation	Nicolas Rodriguez Peña, Maximilian Hoh, Samed Doğan, Nico Leuze, Alfred Schoettl	Nicolas Rodriguez Peña	IEEE	In-person
278	Use Of Logic Functions In The Diagnosis Of Hepatitis Disease Through A Web-Based Expert System Design: A Different Approach	Hayri Incekara, Inayet Hakki Cizmeci	Hayri Incekara	IEEE	Virtual
282	Stacking Ensemble Based Hybrid Machine Learning Approach for Predicting Obesity Levels	Inayet Hakki Cizmeci, Hayri Incekara	Inayet Hakki Cizmeci	IEEE	In-person
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297	The Effectiveness of Close Interval Potential Survey of the Large Protected Pre-Stressed Concrete Cylinder Pipe for Man-Made River Project-Data Evaluation and Analysis	Hussein Elkuwafi, Hassan Gabaeli, Sofuain Gesa	Hussein Elkuwafi	Abstract	In-person
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299	Advanced Techniques for Network Intrusion Detection System Using Machine Learning	Arpit Anand, Indresh Yadav, Jyoti Mehra	Arpit Anand	IEEE	Virtual

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301	A Review of Control Methods in Lower Limb Exoskeleton Robots: From Classical to Machine Learning Approaches	Ali Foroutannia, Masoud Mohammadian, Kumudu Munasinghe	Ali Foroutannia	IEEE	In-person
302	Tackling Toxicity: A Study of Machine Learning Models for Offensive Speech Detection	Anuj Bhardwaj, Vanshika Sharma	Anuj Bhardwaj	IEEE	Virtual
303	A Comparison Study on the Selection of the Optimum Electrical Equivalent Circuit Model for Lithium-Ion Batteries and Parameter Accuracy Analysis by the Least Squares Method	Seyit Emre Ozcan, Hayri Arabacı	Seyit Emre Ozcan	IEEE	In-person
304	Hand vein recognition using Mask R-CNN	Mehmet Kiyak, Burcu Kır Savaş, Fulya Akdeniz	Mehmet Kiyak	IEEE	In-person
305	Detection of Credit Card Fraud with Machine Learning Methods	Murat Mehmet Koska, Cemal Aktürk, Tarık Talan	Murat Mehmet Koska	IEEE	Virtual
306	Comparative Analysis of LSTM and XGBoost for Cryptocurrency Trend Prediction	Drissia Ennagoura, Kamal El Kehal, Khalid El Fahssi, Mohamed El Far, Safae Merzouk, Badre Bossoufi, Mohamed Taj Bennani	Drissia Ennagoura	IEEE	In-person
307	Maximum Period Pseudo-Random Number Generator Filter Based on Hash Function	Eyyub Abbasquliyev, Irada Rahimova, Roman Korolov, Tetiana Milevska	Eyyub Abbasquliyev	IEEE	In-person
308	Transformatörlerdeki Elektromanyetik Kuvvetlerin Değerlendirilmesi: Açık Devre ve Kısa Devre Koşulları	Kamran Dawood, Güven Kömürgöz	Kamran Dawood	IEEE	In-person
309	Preliminary Study on Context-Based Pantun Recommender Application	Amera Natalia Mah Muhammad Adam Mah, Hasiah Mohamed, Zawawi Ismail, Norulhidayah Isa	Amera Natalia Mah Muhammad Adam Mah	IEEE	In-person
310	Design of an Open Source Piezoelectric Devices for Road Systems of Republic of Türkiye	Alper Doruk Yıldız, Kuzey Ege Hassoy, Atajan Rovshenov, Ali Tunçak	Alper Doruk Yıldız	IEEE	Virtual
311	Rule-Based And AI-Based Routing Protocols For Mobile Ad Hoc Networks: A Comparative Review	Maher AL-Mashhadani, Kamel Karoui	Maher AL-Mashhadani	IEEE	Virtual
312	An Approach with Effective Guided Filter and Lipschitz Constraint Based CLAHE for Improving X Ray Image Details	Emre Kağan Aytekin, Mehmet Dikmen	Emre Kağan Aytekin	IEEE	In-person
329	Yağlı ve Kuru Tip Transformatorlerde TEDAŞ MLZ Şartnamesine Göre Enerji Kayıplarının Değerlendirilmesi	Kamran Dawood, Furkan Gezer, Güven Kömürgöz, Semih Tursun	Kamran Dawood	IEEE	In-person
330	Güç Transformatorü Türlerinin Finansal ve Fiziksel Özelliklerine İlişkin Karşılaştırması	Kamran Dawood, Furkan Gezer, Güven Kömürgöz, Semih Tursun	Kamran Dawood	IEEE	In-person
331	Error-Corrected Quantum CNN for Gender-Based Micro-Expression Analysis in Affective Computing	Hafiz Khizer Bin Talib, Kaiwei Xu, Yanlong Cao, Muhammad Zaman, Adnan Akhunzada	Muhammad Zaman	IEEE	Virtual
333	LWCNN-Based Deep Learning Model for COVID-19 Detection: Performance Analysis on Voice Data	Ipek Atik	Ipek Atik	IEEE	In-person
334	AI-Based Recommendation System for E-Learning Platform	Harshit Singh	Harshit Singh	IEEE	Virtual

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335	Hydroelektrik, Rüzgar ve Güneş Enerji Sistemlerinde Yapay Zeka ile Sürdürülebilirlik Analizleri	Serdar Mammadov, Misliina Çakallıoğlu, Yusuf Yeşilyurt, Pelin Canbay	Serdar Mammadov	IEEE	Virtual
336	A Digitalized Business Wargame Model for Foresight-based Future Planning and Decision-Making	Kaan Toraman, Eda Obuz, Merve Durukan Kaya, Serdar Solak	Kaan Toraman	IEEE	In-person
337	A Computer Vision-Based Physical Activity Application for Children with Autism	Eda Obuz, Kaan Toraman, Serdar Solak	Eda Obuz	IEEE	In-person
338	Smart Contracts: Classification Problems	Vladyslav Khvostenko, Stanislav Milevskyi, Illia Bukatysh, Dmytro Yevseiev, Oleksandr Iegrashyn, Vadym Kyryk	Vladyslav Khvostenko	IEEE	Virtual
339	High-Quality Synthetic Image Generation for Accurate Classification of Brain Tumors Using ACGAN	Mert Büyükdede, Doruk Kılıç	Doruk Kılıç	Abstr act	Virtual
340	The Impact of Price-Based Demand Response on DSO-TSO Coordination System	Busra Uzum, Serkan Bahçeci, Yeliz Yoldaş, Ahmet Önen	Busra Uzum	IEEE	Virtual
341	Ensuring product detection and product counting on the assembly line using deep learning (YOLOv11)	Muhammed Abdullah Özel, Mehmet Yasin Gül	Muhammed Abdullah Özel	IJMSIT	In-person
342	A Hybrid CGAN-FNN Framework for Robust Hand Gesture Recognition in Real-Time Systems	Bilge Toprak, Onur Köroğlu, Osman Bayram, Emre Gür, Mehmet Iscan	Bilge Toprak	IEEE	Virtual
343	IoT Authentication Using Biometrics	Raj Gupta, Raj Bhushan	Raj Gupta	IEEE	Virtual
344	Innovative Approaches to Real-Time Drowsiness Detection and Alert Systems for Vehicle Operators	Mohd. Sahil, Prateek Jindal, Shivansh Dixit, Jyoti Mehra	Mohd. Sahil	IEEE	Virtual
345	A Systematic Literature Review of Persuasive Design Principles in Mixed Reality for Generating Memorable User Experiences	Haryati Abdul Rahman, Hasiah Mohamed, Nurulnawan Aziz, Siti Salbiah Hamzah, Anitawati Mohd Lokman	Haryati Abdul Rahman	IEEE	In-person
346	Speech Recognition of High Impact Model Using Deep Learning Technique: A Review	Hasan H. Hussein, Oguz Karan, Sefer Kurnaz, Ayca Kurnaz Turkben	Hasan H. Hussein	IEEE	Virtual
347	Controller Synthesis with a Cone Complementarity Linearization Algorithm for CACC System Under Time-varying Delay	Hilal Bingöl	Hilal Bingöl	IEEE	In-person
348	Hybrid CMOS Low Noise Amplifier with Kapu Optimizer	Zainab Mustafa Hussein, Hassan Jassim Motlak	Zainab Mustafa Hussein	IEEE	Virtual
349	A Hybrid Method for Enhanced Bitcoin Prediction Using Machine Learning, Deep Learning	Medha P, Denisha M	Medha P	IEEE	Virtual
350	A Three-Level A Stackelberg Game with Virtual Power Plant Clusters Multi-Agent Trading Strategy	Nurcan Yarar, Serkan Bahçeci, Yeliz Yoldaş, Ahmet Önen	Nurcan Yarar	IEEE	Virtual
353	The performance of modified SEPIC converter for dynamic conditions with PI controller	Muhammed Mahho, Mehmet Yılmaz, Muhammed Fatih Çorapsız	Muhammed Mahho	IEEE	Virtual
354	Building Trust in AI for Public Administration: A Strategic Framework for Transparency, XAI, Participation, and Digital Literacy	Panagiotis Tsarouhas, Konstantinos Grigoriadis	Konstantinos Grigoriadis	IEEE	Virtual
355	Support Vector Machines (SVM) in Traffic Prediction for Intelligent Transportation Systems- A comprehension Review	Omar Saghrje, Oguz Karan, Sefer Kurnaz, Ayca Kurnaz Turkben	Omar Saghrje	IEEE	Virtual
356	Artificial intelligence in sustainable supplier search: A comprehensive bibliometric analysis using Scopus database	Katerina Fotova Čiković	Katerina Fotova Čiković	IEEE	Virtual

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357	Feature Extraction with Scalogram-Based CNN Activations and Activity Recognition in Elderly Individuals with Transfer Learning	Esra Kaya	Esra Kaya	IEEE	Virtual
358	Detection of Panic Attacks Using Convolutional Neural Networks on ECG Data	Parisa Ebrahimpour M.T., Gokhan Soysal, Osman Eroglu	Parisa Ebrahimpour M.T.	IEEE	In-person
359	Optimizing Battery Cooling with Reinforcement Learning: A Dynamic Control Strategy for Energy Storage Systems	Necati Aksoy, Fatih Çakıl, Mustafa Özden	Necati Aksoy	IEEE	Virtual
360	Investigation of Structural Response of Active Acoustic Metamaterial Cell	Fevzi Cakmak Bolat, Neven Alujevic	Fevzi Cakmak Bolat	IEEE	Virtual
364	K-Faktörünün Transformator Maliyeti ve Ağırlığı Üzerindeki Etkileri: Karşılaştırmalı Bir Değerlendirme	Kamran Dawood, Muhammed Alperen Çakır, Güven Kömürgöz, Semih Tursun	Muhammed Alperen Çakır	IEEE	In-person
365	Iris Veri Setinde Özellik Seçimi ve Sınıflandırma için Hibrit IPA-ANN Modeli	Samad Hasanlı, Doğan Yıldız, Sercan Demirci	Samad Hasanlı	IEEE	Virtual
366	Recent Applications of Machine Learning and Deep Learning in Identifying Alloys with Specific Conductivity	Sahba Tabarraei, Omid Karimi Sadaghiani, Ahmet Ekrem Mermer	Sahba Tabarraei	IEEE	In-person
367	Explainable AI for Palmprint Recognition: Enhancing Transparency and Trust in Biometric Authentication	Kalpita Dutta, Vinod Kumar, Piyush Verma, Dhaneshwar Kumar, Jatin Sharma, Gaurav Bhakuni	Kalpita Dutta	IEEE	Virtual
401	Actor-Critic Reinforcement Learning for Helicopter Trim Actuators: An Optimal Control Approach with Hamilton-Jacobi-Bellman Principles	Batuhan Temiz, Osman Bayram, Onur Köroğlu, Emre Gür, Mehmet Iscan	Batuhan Temiz	IEEE	Virtual
402	Websites Quality and Online Success: A Bibliometric Analysis	Muhammet Sait Ağ, Kutun Koruyan, Cigdem Tarhan	Muhammet Sait Ağ	IEEE	Virtual
405	Contact Forces in the Gait Cycle: The Role of Different Materials	İsmail Çalılıküsu, Uğur Fidan	İsmail Çalılıküsu	IEEE	In-person
406	Review of underwater drones vibration propulsion	Ilian Iliev, Desislava Mihaylova	Desislava Mihaylova	IEEE	Virtual
408	Trajectory Generation and Control for UAVs Using PH-Curves and Kolmogorov-Arnold Networks	Fatma Şengüler Çiftçi, Yesim Oniz	Fatma Şengüler Çiftçi	IEEE	In-person
409	The Effect of Preprocessing Techniques on Dental Radiography Images	Neslihan Sogur, Nihan Kazak Çerçevik	Neslihan Sogur	IJMSIT	Virtual
410	Soldering Quality Control With Semi-Supervised Deep Learning Model	Emre Köymen, Bahadır Gölcük, Emrah Üstün	Emre Köymen	IEEE	Virtual
411	Project Management for Scientific Research: Strategy, Leadership, and Implementation	Arpan Dutta	Arpan Dutta	IEEE	Virtual
412	Impact of Image Filtering Techniques on Deep Learning-Based Kidney Disease Classification Using CT scans	William Olurotimi Falana, Kamil Dimililer	William Olurotimi Falana	IEEE	Virtual
413	Preliminary Design and Methodological Framework for an AI-Driven Decision Support System in Earth Observation Satellites	Abdallah Alabed, Tarık Özkul	Abdallah Alabed	Abstract	Virtual
415	Bridging Genetic Algorithms and Gradient-Based Learning: A Case Study on the Dinosaur Game	Ömer Bilgin Bilgili, Kemal Uçak	Ömer Bilgin Bilgili	IEEE	In-person
416	Analyzing Correlations Between Refined Comfort Score, Usability, and Performance in Assistive Technology	Hakan Özcan	Hakan Özcan	IEEE	Virtual

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417	Advancing Simulation of 6-Mercaptopurine and Methotrexate Therapy by Using Synthetic Childhood Acute Lymphoblastic Leukemia Patients	Utku Kose, Gamze Yuksel, Sadik Kacakci, Mustafa Can Ince, Hakan Sokun	Utku Kose	IEEE	Virtual
419	Parçacık Sürüsü Optimizasyon Algoritması Kullanılarak IEEE 33-Bus Sisteminde Elektrikli Araç Şarj İstasyonlarının Optimum Yerleşimi	Achmet Molla, İbrahim Gürsu Tekdemir	Achmet Molla	Abstr act	Virtual
420	Optimizing Approximate Nearest Neighbor Search for Fashion Image Retrieval	Mustafa Keskin, Alp Arda Yalman, Enis Teper, Emre Rençberoğlu, Sinan Keçeci	Mustafa Keskin	IEEE	In-person
421	Enhancing Fine-Grained Image Retrieval with Advanced Embedding and Loss Functions	Mustafa Keskin, Alp Arda Yalman, Enis Teper, Sinan Keçeci, Emre Rençberoğlu	Mustafa Keskin	IEEE	In-person
422	Evolution of Visual Shopping in E-Commerce: Integrating Object Detection and Image Similarity	Enis Teper, Alp Arda Yalman, Mustafa Keskin, Sinan Keçeci, Emre Rençberoğlu	Enis Teper	IEEE	In-person
423	Development of an Advanced Blockchains' Classification	Illia Bukatych, Iryna Aksonova, Tetiana Milevska, Anton Smirnov, Dmytro Balagura, Mykhailo Zhyhalov	Illia Bukatych	IEEE	Virtual
424	Approximate Solutions of Hyperbolic Telegraph Equations Arising in Circuit Theory	Aleyna Akaydin, Ahmed Amara, Mehmet Emir Köksal	Aleyna Akaydin	Abstr act	Virtual
425	AI-Native Use Cases in 6G	Sedat Çimen, Sümeye Nur Karahan, İsmail Duru, İbrahim Yazıcı	Sedat Çimen	IEEE	In-person
426	Classification of Ear Diseases from Otoscopic Images Using DenseNet121 and Grow-and-Learn Network	Merve Yağmurcu, Özlem Polat	Merve Yağmurcu	IEEE	In-person
427	Reducing Inventory Counting Errors with Machine Learning: A Data-Driven Approach for E-Commerce	Mert Güneş, Mehmet Ali Ekmiş, Emre Rençberoğlu, Mustafa Buğra Yılmaz, Ali Varal	Mert Güneş	IEEE	In-person
428	Enhanced Environmental Awareness and Security for Smart Devices using WiFi-Sensing	Gad Gad, Iqra Batool, Mostafa M. Fouda, Zubair Md Fadlullah, Mohamed I. Ibrahim	Gad Gad	IEEE	Virtual
430	Review Paper on Breast Cancer Prediction	Boddu Srilatha, Prathipati Ratna Kumar	Boddu Srilatha	IEEE	In-person
431	EXAD: A Framework for Designing Explanations in Adaptive User Interfaces	Iqra Batool, Gad Gad, Mostafa M. Fouda, Mohamed I. Ibrahim, Zubair Md Fadlullah	Iqra Batool	IEEE	Virtual
432	Hybrid Deep Learning for Acute Lymphoblastic Leukemia Diagnosis	Ali Han Özdoğan, Koray Kahraman, Mehmet Chotzoglou Chalil, Selcan Kaplan Berkaya	Ali Han Özdoğan	Abstr act	In-person
433	Autism's Disease Prediction Using Deep Learning	Rihab Qasim, Yaqeen Ali, Sura Searan, Nadia Fahad	Rihab Qasim	IEEE	Virtual
434	Methodological Foundations for Constructing Intelligent Information Security Systems	Serhii Yevseiev, Stanislav Milevskiy, Vladyslav Sokol, Yevhen Melenti, Olena Akhiezer, Kyrylo Petrenko	Stanislav Milevskiy	IEEE	Virtual
435	Automating The Lower Limb Gait Cycle By A Prototype Prosthetic Leg For Transfemoral Amputees	Bhanuka Bandara, Anjana Hapugaskumbura, Pasindu Karunaratna, Ravindu Jayasinghe, Shachira Kuruppu, Prabath Dissanayake	Bhanuka Bandara	Abstr act	Virtual
436	Importance Of AI In Acoustic Emission Testing and Enhancement Provided Through Compound AI	Zia Uddin, Serdar Dindar	Zia Uddin	IEEE	In-person

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437	Cloud-based Ambulance Tracking and Movement Facilitation Through Traffic Light Control	Abeer Khadhim, Laith A. Al-Anzy, Hadeel Abdullah Mohammed	Abeer Khadhim	IEEE	Virtual
438	A Human-AI Collaborative Approach for Credit Card Fraud Detection: Integration of LSTM Networks with Interactive Web Interface	Burhanettin Burun, Mehmet Göktürk	Burhanettin Burun	IEEE	Virtual
439	Analysing the Friction Effect on Velocity Control of a DC Motor for Gimbal Applications	Ferhat Altunay, Şeniz Ertuğrul, Osman Nuri Şahin	Ferhat Altunay	IEEE	In-person
440	Computability and Explainability on the Evolution of Intelligent Systems	Zeynep Altan	Zeynep Altan	IEEE	In-person
441	Crypto Code Constructions in Post-Quantum Cryptography	Andrii Tkachov, Olha Korol, Natalia Voropay, Sergii Dunaiev, Vadym Stetsenko, Bogdan Tomashevsky	Sergii Dunaiev	IEEE	Virtual
454	Deep Learning-Based Multi-Classification of Breast Cancer Ultrasound Images Using Convolutional Neural Networks	Andres Dewendt Urdaneta, Robin Ghosh	Andres Dewendt Urdaneta	IEEE	Virtual
455	A Comprehensive RAG-Based LLM for AI-Driven Mental Health Chatbot	Anish Ilapaka, Robin Ghosh	Anish Ilapaka	IEEE	Virtual
456	Using Bio-Cryptographic Key Extracted from Heartprint Signal by a Deep Neural Network for Authentication	Orkun Koçak, Saiful Islam, Onur Gümüş, Gökçe Nur Yılmaz	Orkun Koçak	IEEE	In-person
457	Experimental Investigation of Artificial Intelligence Models for Recommender Systems	Onur Özbey, Fatih Kılıç	Onur Özbey	IEEE	Virtual
458	NSGA-II Based Optimization of LLC Resonant Converter for 270V to 28V DC-DC Conversion in More Electric Aircraft	Taha Yasin Kıymaz, Murat Taşkıran, Atiye Hülya Obdan, Kamuran Nur Bekiroğlu	Taha Yasin Kıymaz	IEEE	Virtual
459	Multi-Parameter Analysis of Biosignals in Long-Term Control Medical Devices Management	Serhii Holdobin, Natalia Brynza, Olha Tiutiunyk, Olena Serhienko, Ihor Sosnov, Pavlo Samus	Serhii Holdobin	IEEE	Virtual
460	Secure Data Exchange Technologies in Mobile and IoT Devices	Serhii Pohasii, Maksym Tkach, Anatolii Salii, Tymur Kurtseitov, Dmytro Pecherytsia, Vitalii Hrunovych	Maksym Tkach	IEEE	Virtual
461	Real-Time Identification and Self-Tuning PID Controller for 1-DOF Helicopter System	Enes Erdoğan, Aydoğan Soylu, Şahin Serhat Şeker, Barış Başpınar, Tufan Kumbasar	Enes Erdoğan	IEEE	In-person
462	Decision Making in Managing the Choice of UTM Based Wireless Mapping Systems for Geospatial Data Transmission via LoRa	Andrii Storozhko, Dmytro Svitlychnyi, Borys Samorodov, Ruslan Trofymenko, Oleksandr Lezik, Andrii Volkov	Andrii Storozhko	IEEE	Virtual
463	Augmented Reality-Assisted Surgical Guidance System for Kidney Nephrectomy with Remote Expert Consultation	Ali Efe Karagül, Murat Hatunoğlu, Anıl Yaşartürk, Emre Sümer	Ali Efe Karagül	IEEE	In-person
464	Hybrid Learning Approach for Accurate Resolver Position Estimation Based on Error Metrics	Mert Aygen Ercan, Sibel Zorlu Partal	Mert Aygen Ercan	IEEE	In-person
465	A Review on Underwater Optical Wireless Communication (UOWC) Technology: Current Trends and Future Prospects	Noor Hamdullah, Mesut Cevik	Noor Hamdullah	IEEE	Virtual
466	A Multi-authority Security System based on the Cloud and Radio Frequency Identification Systems	Hadeel Abdullah Mohammed	Hadeel Abdullah Mohammed	IEEE	Virtual

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467	Design and Implementation of a Human-Computer Interaction System Using Hand Tracking and Gesture Recognition with a Built-in Camera	Raddad Al King, M. Hayyan AL Sibai, Youssef Zuhir George	M. Hayyan AL Sibai	IEEE	Virtual
468	IOT Environment and Related Technologies For Monitoring with Deep Learning Methods	Mays Qasim Jebur Al-Zaidawi, Mesut Cevik	Mays Qasim Jebur Al-Zaidawi	IEEE	Virtual
469	Leveraging Machine Learning to Analyze Socioeconomic Disparities in U.S Cancer Clinical Trials	Krysta Ray, Robin Ghosh	Krysta Ray	IEEE	Virtual
471	Advanced Anomaly Detection Framework Using CNN-Grid Autoencoder Integration and Recursive Fuzzy Feature Selection Approach	Reem Talal Al-Dulaimi Al-Dulaimi, Ayça Kurnaz Türkben Türkben, Mohammed Kareem Hussein, Ali Tariq Kalil Al-Khayyat, Osman Nuri Ucan	Mohammed Kareem Hussein	IEEE	Virtual
472	Real-Time Edge-Based SOP Compliance Monitoring in Crowded Environments: A Hybrid YOLO11 and Adaptive Segmentation Approach	Le Ying Lim, Herrick Han Lin Yeap, Kian Meng Yap	Le Ying Lim	Abstract	In-person
473	CNN and LSTM-Based In-Memory Malware Detection: Performance Improvement with Transfer Learning	Şeyma Nur Özdemir, Gözde Karataş Baydoğmuş, Önder Demir	Şeyma Nur Özdemir	IEEE	In-person
474	Align: Empowering High School Students with PMS Awareness and Holistic Support	Niriksha D, Ajit Bhagat, Divyadarshan C.S	Niriksha D	IEEE	Virtual
475	Reducing the Risks Associated with Over The Counter Abortion Pills	Arundhati Atul Deshmukh, Ajit Bhagat, Divyadarshan C.S	Arundhati Atul Deshmukh	IEEE	Virtual
480	Real-Time Communication for Smart Methane Power Generation in Wastewater Treatment using PLC S7-1200-SCADA	Luay Mahdi, Samir Jasim, Qais Al-Gayem	Luay Mahdi	IEEE	Virtual
481	Investigation of Depth Perception Through Gaming	Sıla Sarı, Arda Gök, Gökçe Nur Yılmaz, Kutluk Bilge Arkan, Ali Berkol, Yücel Çimtay	Gökçe Nur Yılmaz	IEEE	In-person
483	“Is It Future or Is It Past?”: From Self-contained Microtasks to AI-driven Collaborative Crowdsourcing	Daniel Schneider, Marcos Antonio De Almeida, Ramon Chaves, Benjamim Fonseca, Hesam Mohseni, Antonio Correia	Daniel Schneider	IEEE	Virtual
484	Automatic Language Identification from Speech using Transformer-Based Models	Hasan Kilimci, H.Hakan Kilinc, Zeynep Hilal Kilimci	H.Hakan Kilinc	IEEE	Virtual
485	Optimizing Deep Learning Models for Ophthalmic Disease Detection on Resource-Constrained Devices	Zaina Abushaban, Salih Eren Yüzbaşıoğlu, Selma Dilek, Suleyman Tosun	Zaina Abushaban	IEEE	In-person
486	Cognitive Approach to Cybersecurity: Causality Analysis and Situational Learning	Maksym Tolkachov, Nataliia Dzheniuk, Alla Havrylova, Oleksandr Chechui, Andrii Hapon, Vadym Tiutiunyk	Maksym Tolkachov	IEEE	Virtual
487	Development of Smart Fitness and Diet Application with Chatbot Interaction (FitGenius)	Muhammad Nur Azam Mohd Rahim, Hasiah Mohamed, Zawawi Ismail	Hasiah Mohamed	IEEE	In-person
493	Migraine Analysis with Cross Entropy Based Connectivity Feature: Investigation of Sensory Stimulus Conditions	Firat Orhanbulucu, Fatma Latifoğlu	Firat Orhanbulucu	IEEE	Virtual
494	Enhanced Churn Prediction in Telecom with PSO-Based Feature Selection	Merve Güllü, Nurefşan Ak, Reyhan Dede	Merve Güllü	IEEE	In-person
495	Privacy Preserving Federated Random Forest Approach for Human Activity Recognition	Liza Bala, Nayeema Sultana, Md. Rashedul Islam, Nadeem Ahmed	Nadeem Ahmed	IEEE	In-person

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496	Lateral Resolution Enhancement of Ultrasound Images via Auto-Encoder Network	Mahsa Mikaeili, Hasan Şakir Bilge	Mahsa Mikaeili	IJMSIT	In-person
501	Atom Search Optimizer-driven Lead Compensator Design for Unstable Ball and Beam System	Serdar Ekinci, Davut Izci, Mohammad Salman, Raymond Ghandour	Raymond Ghandour	IEEE	Virtual
502	SCADA-Based Smart Grid: Integrating PV Systems and PLC Automation Using TIA Portal	Anas Abduladheem Kamil, Laith A. Al-Anzy, Shamam Alwash	Anas Abduladheem Kamil	IEEE	Virtual
503	Smart Agents as Customers: A Semi-Autonomous Digital Commerce Model for Industry 5.0	Mehmet Şahin Sümer, Talha Özsoy, Feyza Yıldırım Okay, İbrahim Kök	Mehmet Şahin Sümer	IEEE	In-person
504	Ters Ozmoz Sistemlerinde Akış Kanalı Tasarımı ve Analizi: Ön Çalışma	Rabiya Karalı Türker, Halil Ekici, Cemanur Aydınalp	Rabiya Karalı Türker	IEEE	In-person
505	Automatic Botox Injection Points Detection Based on Deep Learning	Tolgahan Gulsoy, Elif Baykal Kablan, Selen Ayas, Leyla Baykal Selcuk, Deniz Aksu Arica	Tolgahan Gulsoy	IEEE	Virtual
506	Comparative Analysis of MPC, RL and P&O for MPPT of PV Systems Under Partial Shading Conditions	Hisham Darwish, Tolgay Kara	Hisham Darwish	IEEE	Virtual
507	A Short Survey on Embedded AI with Edge Computing for Maritime Applications	Ali Kılınc, Ezgi Yağmur Çakmak Cebesoy, Volkan Uslan	Ezgi Yağmur Çakmak Cebesoy	IEEE	In-person
508	An Evaluation on Infrared Single-Frame Tiny Object Detection Methods	Muhammed Zeyn, Ertugrul Bayraktar	Muhammed Zeyn	Abstr act	Virtual
509	Electric Vehicle Impacts on Electric Power System: A Literature Survey	İbrahim Arslanoğlu, Mehmet Büyük	İbrahim Arslanoğlu	IEEE	Virtual
510	Natural Language and LLMs in Human-Robot Interaction: Performance and Challenges in a Simulated Setting	Kelvin Olaiya, Giovanni Delnevo, Chiara Ceccarini, Chan-Tong Lam, Giovanni Pau, Paola Salomoni	Chiara Ceccarini	IEEE	Virtual
511	Deep Learning-based Ensemble Multi-Architecture Model with Hybrid Approach for CIFAR10	Veli Nakçı, Göknur Arıcan, Eren Aktaş, Mustafa Altun	Göknur Arıcan	Abstr act	In-person
512	Enhancing Cancer Treatment with AI: Deep Learning for Predicting Neoadjuvant Therapy Response	Bitra Kheibari, Şebnem Bora, Burçin Pehlivanoğlu, Anıl Aysal Ağlar, Özgül Sağol	Bitra Kheibari	IJMSIT	Virtual
513	Design and Manufacture of a Low-Cost Soft Gripper for Industrial Applications	Murat Akar, Bengusu Mura, Yesim Oniz	Murat Akar	IEEE	In-person
514	EfficientFER: EfficientNetv2 Based Deep Learning Approach for Facial Expression Recognition	Mehmet Emin Konuk, Erdal Kılıç	Mehmet Emin Konuk	IEEE	Virtual
515	Simulink-Based Real-Time Control of ABB Industrial 6-DOF Manipulators for Advanced Robotic Applications	Paolo Righettini, Roberto Strada, Filippo Cortinovic, Jasmine Santinelli, Federico Tabaldi	Filippo Cortinovic	IEEE	In-person
516	vEMB-SLAM: An Efficient Embedded Monocular SLAM Framework for 3D Mapping and Semantic Segmentation	Abdülamed Dönmez, Bekircan Köseoğlu, Mert Araç, Serkan Günel	Abdülamed Dönmez	IEEE	In-person
517	Backstepping Control of an Industrial Delta Parallel Robot Model	Selim Sivrioğlu, G. Ceyda Hacıoğlu, A. Suat Yıldız	Selim Sivrioğlu	IEEE	Virtual
518	Sensitivity to Emotional Exploitation in Reasoning Models: Stereotypical Analysis	Onur Mert Çeldir, Gökhan Dalkılıç	Onur Mert Çeldir	IEEE	In-person

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519	Experimental Investigation on a Power Supply Control System for Hydraulic Actuators	Paolo Righettini, Roberto Strada, Filippo Cortinovis, Jasmine Santinelli, Federico Tabaldi	Filippo Cortinovis	IEEE	In-person
520	Obesity Prediction Using Machine Learning Methods: Performance Analysis of DT, RF, and ANN Models	Huseyin Fatih Sen, Yavuz Selim Taspinar	Yavuz Selim Taspinar	IEEE	Virtual
522	IOT Tabanlı Görüntü İşleme Tekniği ile Güneş Enerji Takip Sisteminden Maksimum Düzeyde Enerji Elde Edilmesi	İsra Narman, Gökhan Uçkan	İsra Narman	IEEE	Virtual
523	Classification of Eastern Black Sea Tea Using E-Nose: A Deep Learning-Based CNN Approach	Yavuz Kablan, Ayten Atasoy	Yavuz Kablan	IEEE	Virtual
524	Solar Energy and Supercapacitor Integration: Efficient Energy Storage Solutions	Yusuf Dayar, Fesih Keskin	Yusuf Dayar	IEEE	Virtual
525	Estimation of one indicator of functional stability in case of periodic effects on elements of information system	Oleg Barabash, Andriy Makarchuk, Oleg Kopyika, Oleksii Maistrov, Mykola Myroniuk, Yurii Kolomiets	Andriy Makarchuk	IEEE	Virtual
526	Interpretable Energy Forecasting: Comparative Analysis of Voting Regression and NODE Models for Electricity Power Consumption Prediction	Burçak Asal	Burçak Asal	IEEE	Virtual
527	NLP ve ChatBot Sistemlerinin Performans Analizi ve Etkileri	Gizem Nur Bikir, Müge Ak, Hasan Tolga Ünal, Özgür Umut Vurgun, Arif Furkan Mendi, Mehmet Akif Nacar	Gizem Nur Bikir	IEEE	In-person
528	Impact of Silent Regions on Spoofed Speech Detection: A Deep Learning-Based Analysis	Muhammed Ali Irmak, Fulya Akdeniz, Burcu Kır Savaş	Muhammed Ali Irmak	IEEE	Virtual
529	Graph Based Business Process Anomaly Detection with Edge Feature Reconstruction and Advanced Linear Networks	Teoman Berkay Ayaz, Rabia Çevik, Alper Özcan, Akhan Akbulut	Teoman Berkay Ayaz	IEEE	In-person
530	Reflective Surface Detection and Its Impact on SLAM Trajectory Accuracy	Ibrahim Aydin, Ertugrul Bayraktar	Ibrahim Aydin	IEEE	Virtual
531	Leveraging Large Language Models for Security Patch Detection and CWE Classification	Betul Gokkaya	Betul Gokkaya	IEEE	Virtual
532	Using the Invasive Weed Optimization (IWO) Algorithm in optimal design of CMOS CCII for High-Frequency Applications	Israa Rasheed, Suhair Hussein, Hassan Jassim Motlak	Israa Rasheed	IEEE	Virtual
533	Motion Control and Path Planning for Gantry Cranes in Cluttered Environments	Tolga Özaslan	Tolga Özaslan	IEEE	In-person
540	Empowering Education Through Virtual Reality-driven Course and Examination System	Mehmet Sedat Yildiz, Berkay Mustafaoglu, Wisam Elmasry	Mehmet Sedat Yildiz	IEEE	Virtual
542	Multilingual and Multi-Class Sentiment Classification Using Machine Learning, BERT, and GPT-4o-mini	Tuğba Tosun Patacı, Furkan Göz	Tuğba Tosun Patacı	IEEE	Virtual
543	Using of AI Supported Computer Vision on UAV's	Alpaslan Durmuş, Abdulhamit Sevgi, Ahmet Murat Kadioğlu, Erol Duymaz	Alpaslan Durmuş	IEEE	In-person
544	Dictionary-based data augmentation for Libyan dialect	Hassan Ebrahim, Imen Touati, Lamia Belguith	Hassan Ebrahim	IEEE	Virtual
545	Cloud Based PV Panel Cleaning Automation Using Raspberry Pi	Gokhan Uckan, Engin Oğuzay	Gokhan Uckan	Abstr act	Virtual

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548	AI - Human Cooperation in “Second Brain” Technology, as a Modern Implementation of General Evolution in Human-Machine Interaction	Vladislav. V. Kytainyk, Alexander G. Yushchenko, Daniil. Y. Lyalin	Alexander G. Yushchenko	IEEE	Virtual
549	Integrating Intelligent Transportation Systems and VANET for Sustainable Urban Mobility: A Review of Challenges, Innovations, and Future Trends	Thaer Shaker Mahmood, Nemer Radhwan Khudhair, Sameer Algburi, Sefer Kurnaz	Thaer Shaker Mahmood	IEEE	Virtual
550	The Impact of New Technologies on Digital Transformation with RPA	Büşra Tural Demir, Zeynep Örpek, Zeynep Destan, İlknur Çoşkuner, Muhammed Ahmet Alkan, Fatih Kazova	İlknur Çoşkuner	IEEE	Virtual
551	Fuzzing Based Approach for Vulnerability Detection in Smart Contracts	Osman Bashirov, Serdar Solak	Osman Bashirov	IEEE	Virtual
552	Nonlinear Aircraft Trim Using A Newton-Raphson Based Whale Optimization Algorithm	Şeyda Aydın, Hakan Yazıcı	Şeyda Aydın	IEEE	Virtual
553	Recent Applications of Machine Learning and Deep Learning in the Development of Superconductors	Ahmet Ekrem Mermer, Omid Karimi Sadaghiani, Sahba Tabarraei	Ahmet Ekrem Mermer	IEEE	In-person
554	A Systematic Mapping Study on Machine Unlearning in Federated Learning	Büşra Büyüktanır, Kazım Yıldız, Gözde Karataş Baydoğmuş	Büşra Büyüktanır	IEEE	Virtual
555	A Comparative Analysis of Deep Learning Architectures for Robust Fruit Detection	Rukiye Ertürk Erşahin, Fesih Keskin	Rukiye Ertürk Erşahin	IEEE	Virtual
556	Co-simulation of Impedance and Hybrid Motion-Force Control Strategies on a 4-DOF 5R Parallel Manipulator	Paolo Righettini, Roberto Strada, Filippo Cortinovis, Jasmine Santinelli, Federico Tabaldi	Filippo Cortinovis	IEEE	In-person
557	Multi-Dialect Detection for Albanian Language Using Natural Language Processing	Afan Hasan, Edmond Jajaga, Arber Biļjali, Lorik Limani	Afan Hasan	IEEE	Virtual
558	Detection of Parathyroid Adenoma in Primary Hyperparathyroidism using Deep Learning Models	Muhammad Saad Bin Addul Ghaffar, Radhwan Ali Abdulghani Saleh, Humam AbuAlkebash, Muhammad Kiziltepe, Burcu Alparslan, H. Metin Ertunç	Muhammad Saad Bin Addul Ghaffar	IEEE	Virtual
559	Sentiment Mining in Amazon Fine Food Reviews: A Comparative Assessment of VADER and RoBERTa	Kalpita Dutta, Vinod Kumar	Kalpita Dutta	IEEE	Virtual
560	Analysis of the Formation of Minors Values and the Impact of Ideological and Moral Education Based on Social Media Big Data	Yuxiao Sheng, Wei Lin	Yuxiao Sheng	IEEE	Virtual
561	Personalized Learning Path Planning in Educational Information Systems: Research on a New Model for Achieving Quality Education	Lei Wei, Lei Wei, Zhiwei Zhang, Shiqi Yang	Lei Wei	IEEE	Virtual
562	Advanced Data Analysis and Feature Extraction Technology in Image Repair	Xinyi Lin	Xinyi Lin	IEEE	Virtual
563	Research on Mine Heat Hazard Risk Assessment and Response Strategies Driven by Advanced Data Analysis	Zhao Yongqi	Zhao Yongqi	IEEE	Virtual
564	Application of Internet of Things Technology in Sustainable Community Environmental Monitoring and Governance	Xiu Li, Xiu Li, Gong Wen, Zhixuan Yang	Xiu Li	IEEE	Virtual
565	Fashion Design Copyright Protection System Combining AI Color Trend Prediction Model and Blockchain Hash Storage Technology	Wang Yujie	Wang Yujie	IEEE	Virtual

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566	Application of Digital Twin and Augmented Reality Fusion in Remote Maintenance of Complex Equipment	Yisheng Lu, Jingwen Sun	Jingwen Sun	IEEE	Virtual
567	Intelligent Operation and Maintenance and Prediction Model Optimization for Improving Wind Power Generation Efficiency	Xun Liu, Xiaobin Wu, Jiaqi He, Rajan Das Gupta	Xun Liu	IEEE	Virtual
568	Research on the Application of Intelligent Assistance Systems in Personalized Learning Path Planning of Dance Education	Songni Xu	Songni Xu	IEEE	Virtual
569	Digital Media Trend Prediction and Future Content Creation Direction Research-Based on Big Data Analysis and Machine Learning	Cong Zhou	Cong Zhou	IEEE	Virtual
609	Big Data Applications for Construction Management and Optimization	Enoch Solomon, Abraham Woubie, Bernabas Solomon Emiru	Enoch Solomon	IEEE	Virtual
610	Research on Consumer Privacy Concerns and Willingness to use Intelligent Systems from the Perspective of Informatics	Runda Dai	Runda Dai	IEEE	Virtual
611	UUVs Navigation Environment Reconstruction Using Active Vision System	Ihab Elaff	Ihab Elaff	IEEE	Virtual
612	Modelling Humanoid Robot Audition for Sound Source Localization Using Artificial Neural Network	Mohammad Ibrhaim Al Karaki, Ihab Elaff	Ihab Elaff	IEEE	Virtual
613	Human Face Localization in 3D For Humanoid Robot Vision	Insaf El Guemmam, Ihab Elaff	Ihab Elaff	IEEE	Virtual
614	Binary vs. Multiclass Mental Workload Classification from fNIRS Data: A Deep Learning-Based Subject-Specific Analysis	Güzin Özmen	Güzin Özmen	IEEE	Virtual
621	Analysis and Imitation Design of Artificial Intelligence Design Concept of Ancient Buildings	Tianyi Zhang	Tianyi Zhang	IEEE	Virtual
623	Application of Augmented Reality (AR) in English Language Teaching to Enhance Engagement and Acquiring Language	Jin Nan	Jin Nan	IEEE	Virtual
629	Research on multimodal data fusion technology based on LLM and attention mechanism	Boqian You	Boqian You	IEEE	Virtual
630	Integration of sustainability and civic morality in new-era educational technology: Methods for developing digital tools for lifelong learning and social responsibility	Fei Song	Fei Song	IEEE	Virtual
637	Implementation of Bavesian Theory in Fire Credit Evaluation: Applications, Challenges, and Future Directions	Junjie He, Juntao Yang	Junjie He	IEEE	Virtual
640	Exploration of Augmented Reality in gaming design utilizing AR technologies for immerse gameplay	Ronghai Yang, Gaoyu Li	Ronghai Yang	IEEE	Virtual
642	Innovative Application of Tangible Interaction Narrative System in Visually Impaired Education from the Perspective of Informatics	Xiyi Peng	Xiyi Peng	IEEE	Virtual
645	Research on Application and Optimization of Fintech and Computer Technology in Chinese Commerial Bank Efficiency Analysis	Yihang Zeng	Yihang Zeng	IEEE	Virtual
648	Research on The Application of Deep Learning-Based Emotion Recognition Technology in Psychological Counseling	Haodong Xi	Haodong Xi	IEEE	Virtual

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656	Research on Multi-Beam Detection Data Optimization and Artificial Intelligence System Decision Support Based on MILP	Xingying Xiang	Xingying Xiang	IEEE	Virtual
665	Decentralized Marketplace DMarket: Blockchain-Based Platform for Second-Hand Fashion Product Trading and Authentication	Wang Yujie	Wang Yujie	IEEE	Virtual
666	AI-Assisted Cross-Cultural Communication Barrier Identification and Solution Research	Lijun Tang	Lijun Tang	IEEE	Virtual
678	Artificial Intelligence-Assisted Emotion Recognition and Adaptive Teaching Strategies in Cross-Cultural Language Teaching	Yang Jiao	Yang Jiao	IEEE	Virtual
679	Safety Performance Assessment by Harnessing IoT and AI in Construction Sites: Leveraging Digital Tools for Safer Construction Practices	Junxiang Chen	Junxiang Chen	IEEE	Virtual
680	ICT Applications in Business Model Innovation Driven by Information and Knowledge Management	Yijun Fang	Yijun Fang	IEEE	Virtual
681	Research on Furniture Design Innovation Based on Artificial Intelligence and Sustainable Systems: Integration of Traditional Culture and Ecological Culture	Hong Chen, Hasnul Azwan Azizan, Jiaqi He	Hong Chen	IEEE	Virtual
702	Comparative Analysis of M5 and MOH Core Materials in Dry-Type Transformers Electromagnetic Performance and Cost Evaluation	Tugce Saadet Altunsoy, Merve Demirci, M. Cengiz Taplamacioglu	Tugce Saadet Altunsoy	IEEE	Virtual
703	Topic-Aware Multi-Class Classification for Financial Complaints: Comparing BERTopic with Classical Machine Learning Algorithms	Sezer Uğuz, Mert Kumbasar, Gül Tokdemir	Sezer Uğuz	IEEE	In-person
704	A Novel Approach to ADHD Detection Using Handwriting and Image Processing	Ozlem Yildiz Budak, M. Fatih Adak, Enes Sargedik	Ozlem Yildiz Budak	IEEE	In-person
705	Transformative Methods to Fire Credit Rating: Integrating Data Mining Methods and XGBoost	Junjie He, Juntao Yang	Junjie He	IEEE	Virtual
706	Digital Curation of Traditional Culture Based on VR and AI Interactive Technology: Taking Art into Schools as an Example	Linfeng Shen	Linfeng Shen	IEEE	Virtual