



# International Conference on Artificial Intelligence of Things

Nişantaşı University | Istanbul, Turkey | December 29-30, 2022

## Conference Agenda for Virtual Presentations: Thursday, December 29, 2022

(The timing information is based on Turkish Standard Time: GMT/UTC + 3)

Introductory Speech		09:00 – 09:10
General Chair Speech		
Session – I		09:10 – 10:50
1198	A System for Traceability of Agricultural Products Based on Two-Dimensional Barcoding	
4515	Improving Emotion Detection through Artificial Intelligence form EEG Brainwave Signals	
1932	Cardiac Arrhythmia Classification using Deep Convolutional Neural Network and FIS	
2303	A Hybrid Technique for Non-invasive Fetal ECG Extraction and Heart Rate Estimation from the Mothers Abdomen Signal	
570	SKNetV2: Improved Selective Kernel Networks for Object Detection	
617	Mouse-Cursor Movement and Control using Eye Gaze-A Human Computer Interaction	
6563	Object Detection in Aerial Images: A Case Study on Performance Improvement	
Break		10:50 – 11:00
Keynote Speech		11:00 – 11:45
<i>Prof. Dr. Sinem Coleri (IEEE Fellow)</i>		
Session – II		11:45 – 13:30
2852	Business Process Execution: A Contextual Approach	
6114	Identifying Trends in Recent Publications using Data Visualisation and Analytics	
8038	Evaluation and Verification of NLP Datasets for the Albanian Language	
7512	Game Programming using Artificial Intelligence Methods	
1504	Face Recognition System using Local Binary Pattern with Binary Dragonfly Algorithm (BDA) to Feature Selection	
9880	AIoT in Healthcare: A Systematic Mapping Study	
2035	Data Mining Techniques for Extraction and Analysis of Covid-19 Data	
6676	NWDAF UDI (Use-case Development Interface) for End-to-end AI Enabled 5G and Beyond Networks	
Break		13:30 – 14:00
Session – III		14:00 – 15:40
8784	The Effect of Human body Shadowing in ZigBee Radio Frequency Fingerprinting Identification	
5597	Incremental Donor Approach for Immune Plasma Algorithm on Solving Path Planning Problem of UCAV	
3028	Development of CAN and OBD-II Supported Experimental Setup for Vehicle ECU Data Acquisition	
2245	Breast Cancer Detection Using Various Classification Models Combined with Transfer Learning	
8148	Sentiment Analysis with Various Deep Learning Models on Movie Reviews	
6099	Young Driver Gaze (YDGaze): Dataset for driver gaze analysis	
8065	Neural Network and IoT Based Test Maneuver Deployment for 2 DoF Vehicle Simulator	
119	Four-axis Stepper Motor Training Set: STM32 Microcontroller, Algorithm, and Teaching Considerations	
5194	Forecasting Energy Consumption Using Deep Learning in Smart Cities	
Break		15:40 – 15:45
Session – IV		15:45 – 17:30
8050	Deep Learning-Based Biometric System Analysis of Palmprint Images	
7992	Predictive Control of a Synchronous Generator Network using Neural Networks	
4869	Photovoltaic Cells Anomaly Classification using Deep Learning Techniques	
5389	Data Mining and Analysis for Predicting Electrical Energy Consumption	
7575	Lithium Ion Battery Solar Charger Design and Simulation	
2956	Photovoltaic System Power Management and Control in Case of Electric Vehicle Load	
3514	Evaluation of Energy Management for Stand-Alone Fuel Cell and Photovoltaic Hybrid System Model	
1446	Investigation of High Efficiency for Smartphone Applications	
2797	Data Diode for Cyber-security: A Review	
9518	Delay Root Cause Analysis and 3D Modeling of LTE Control Communication Using Machine Learning	
8841	Advanced Frameworks Human-Type Communication Over Wireless Sensor Network (WSN)	

- Conference meeting link will be shared directly with all registered participants on Tuesday, December 27, 2022.

# Conference Agenda for Virtual Presentations: Friday, December 30, 2022

(The timing information is based on Turkish Standard Time: GMT/UTC + 3)

Keynote Speech		09:00 – 09:35
<i>Prof. Dr. Khalid Hussain</i> (Campus Director, National Superior Institute of Science and Technology, Pakistan)		
Session – V		09:35 – 11:15
8018	Performance Enhancement of MANET Against Wormhole Attacks Using Modified Ad-hoc On-Demand Distance Vector Protocol	
1547	Machine Learning-Based Architecture for DDoS Detection In VANETs System	
6550	Enhanced Smart Wireless Communication by Intelligent Reflecting Surfaces (IRSs) and Measuring the Integration of Distributed Systems	
4578	File Encryption-based on the Process of Comparing Locations and Values Between Images and a Text File	
8309	Classification of Traffic in 5G Internet of Things Networks: a New Framework	
4160	Optimization of the Number and Placement of Routers in Wireless Mesh Networks	
3800	Investigation The Performance of LoRa Communication for Nominal LoRa and Interleaved Chirp Spreading LoRa	
8489	Design of Microstrip patch Antenna for C-band Applications	
Break		11:15 – 11:20
Session – VI		11:20 – 12:45
3785	Cell-Edge SINR Coverage-Aware Positioning of Intelligent Reflecting Surfaces in 6G Internet of Things Networks	
3036	Capacity Maximization of the mmWave Networks Deploying Intelligent Reflecting Surfaces: An Enhancement Approach for 6G Internet of Things	
2639	Challenges in Open Government Data Implementation: A Systematic Literature Review	
6479	Machine Tool Condition Monitoring System: A Review on Feasible Low-Cost Solution	
7145	Serverless Computing at the Edge for AIoT Applications	
9501	A Novel Analysis of Performance and Inference Time of Machine Learning Models to Detect Cardiovascular Emergency Situation of Rescue Patients	
4575	BERT-based Extractive Text Summarization of Scholarly Articles: A Novel Architecture	
Break		12:45 – 13:45
Session – VII		13:50 – 15:15
8943	A Review of Intelligent IoT Devices at The Edge	
9345	Determining the Digits of Turkish Sign Languages Using Deep Learning Techniques	
3169	A Study of Filled Functions with Two Parameters for Unconstrained Global Optimization: Numerical and Statistical Results	
7273	Intrusion Detection in Water Distribution Systems Using Machine Learning Techniques	
9778	Enabling Digitalization in Forestry 4.0 using ForestML 4.0-based Digital Twins	
7441	Optic Disc Segmentation in Human Retina Images with Meta Heuristic Optimization	
6993	Context-Based Visual Sentiment Analysis for Social Media Data	
Break		15:15 – 15:30
Session – VIII		15:30 – 17:30
2452	Design and Implementation of Triple Band Notch Microstrip Antenna for Wireless Communication	
3335	The Impact of the COVID-19 Pandemic on Global Economic Growth (An Analytical Study)	
8299	Comparison of Dental Images Based on Morphology and Appearance of Teeth	
2098	A Modified Wavelet Threshold Approach for Reducing Various Noise with Statistical Results	
4615	Object Constraint Language for Modelling Computer games	
4190	Real-time distributed service de-identification and Internet problem mitigation	
5655	Vehicle Accident-Avoidance System	
2205	Key Transposition Cipher and Decipher based on Genetic Algorithm	
5876	Simulation Study of Traffic Operation in Some Roundabouts in Karbala Government	
2525	Automated Hilbert Envelope Based Respiration Rate Measurement from PPG Signal for Wearable Vital Signs Monitoring Devices	
3354	CNN Based PPG Signal Quality Assessment Using Raw PPG Signal for Energy-Efficient PPG Analysis Devices in Internet of Medical Things	
9492	Using Modified Whale Optimization Algorithm for Solving Traveling Salesman Problem	
7984	Estimation of Direction of Arrival for Antenna Array Based on (ESPBit) and Multiple Signal Classification Algorithms	
7598	Machine Learning Algorithms for URLs Classification	
6903	On the Performance of mmWave Massive MIMO Multi-Carrier Modulation Technique for Vehicle-to-Vehicle Communication	

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