

HORA 2021 ACCEPTED PAPERS

Title	Author(s)	Author(s) Country	Speaker	Publishing	Register	PDF Express
Image encryption algorithm using DNA pseudo-symbols and chaotic map	Vagif Gasimov, Jabir Mammadov	Azerbaijan	Jabir Mammadov	IEEE	✓	✓
An overview of challenges for data dissemination and routing protocols in VANETs	Mustafa Maad Hamdi, Othman Arkan Rahomi Al-Dosary, Omar Abdulaziz Saod Alrawi, Ahmed Shamil Mustafa, Mohammed Salah Abood, Mustafa Sabah Noori	Iraq	Mustafa Maad Hamdi	IEEE	✓	✓
Hyperledger, Ethereum and Blockchain Technology: A Short Overview	Alaa Hamid Mohammed, Alaa Amjed Abdulateef, Ihsan Amjad Abdulateef	Turkey	Alaa Hamid Mohammed	IEEE	✓	✗
Application of Hierarchical Cluster Analysis in The Machine Learning	Georgi Krastev, Valentina Voinohovska	Bulgaria	Georgi Krastev	IEEE	✓	✓
Gesture-Controlled Robotic Arm Utilizing OpenCV	Jedidiah Paterson, Ahmed Aldabbagh	UK	Jedidiah Paterson	IEEE	✓	✓
Integration of Cloud-Based Speech Recognition System to the Internet of Things Based Smart Home Automation	Saadin Oyucu	Turkey	Saadin Oyucu	IEEE	✓	✓
Design and Assembly of A Smart Recycling Bin	Maryam Makhseed, Farah AbdelSalam, Sara El-Aswad, Seyed Ebrahim Esmaeili	Kuwait	Seyed Ebrahim Esmaeili	IEEE	✓	✓
Design and Assembly of a Smart Steamer	Fatema Al-Alawi, Dalal Bouresli, Seyed Ebrahim Esmaeili	Kuwait	Seyed Ebrahim Esmaeili	IEEE	✓	✓
Design of a Drivable Airport Luggage Trolley	Hesah Al Enezi, Seyed Ebrahim Esmaeili	Kuwait	Seyed Ebrahim Esmaeili	IEEE	✓	✓
DERİN ÖĞRENME ALGORİTMASI (YOLO) İLE DİNAMİK TEST SÜRESİNCE SÜSPANSİYON PARÇALARINDA ÇATLAK TESPİTİ	Muhammed Abdullah ÖZEL, Selim Sefa BAYSAL, Mustafa ŞAHİN	Turkey	M. Abdullah ÖZEL	EJOSAT	✓	No need
Fuzzy Decision Mechanism for Stock Market Trading	Yavuz Çapkan, Erdi Şenol, Cenk Ulu	Turkey	Yavuz Çapkan	EJOSAT	✓	No need
Advancement Of Deep Learning In Big Data And Distributed Systems	Ali Saadoon Ahmed, Mohammed Salah Abood, Mustafa Maad Hamdi	China	Ali Saadoon Ahmed	IEEE	✓	✓
Opportunities and Challenges to Educators When Transitioning to A Tel Environment – Case of Kuwait	Dania El Achmar, Rupali Bhagat	Kuwait	Rupali Bhagat	IJMSIT	✓	No need
All-optical Half-adder based on multilayer structure with second-order nonlinearity effects	Seyyedeh Sevila Sojudi, Vahid Rostami	Iran	Seyyedeh Sevila Sojudi	IEEE	✓	✓
Comparison of Brain Tumor Detection in MRI Images Using Straightforward Image Processing Techniques and Deep Learning Techniques	Marium Malik, Muhammad Arfan Jaffar, Muhammad Raza Naqvi	Pakistan	Marium Malik	IEEE	✓	✗
CUSTOMER CHURN PREDICTION FOR BUSINESS INTELLIGENCE USING MACHINE LEARNING	Victor Nwaogu, Kamil Dimililer	Northern Cyprus	Victor Nwaogu	IEEE	✓	✓
Assessment of the sustainability of communication networks built on the basis of computer networks	Vagif Gasimov, Adil Nastakalov	Azerbaijan	Adil Nastakalov	IEEE	✓	✓
Trajectory Planning Optimization for the Autonomous Three-Wheeled Omnidirectional Mobile Robot	Eyad Almasri, Mustafa Kemal Uyguroğlu	Northern Cyprus	Eyad Almasri	IEEE	✓	✓
Cloud DATA LAKE: The new trend of data storage	Elisabeta Zagan, Mirela Danubianu	Suceava	Elisabeta Zagan	IEEE	✓	✓
Wavelet Dalgacık Dönüşümü ile Tıkayıcı Uyku Apnesi Tahmini ve Epok Sürelerinin Etkisi	Mehmet Balcı, Adem Gölcük, Serkan Küçüktürk, Şakir Taşdemir, Hüsamettin Vatansav, Hülya Vatansav	Turkey	Mehmet Balcı	EJOSAT	✓	No need
Improving Training time in Capsule Neural Network	Onyeachonam Dominic-Mario Chiadika, Moazhen Li, Jaewoong Choi	UK	O. D. Chiadika	IEEE	✓	✓

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ECG Classification Performing Feature Extraction Automatically Using a Hybrid CNN-SVM Algorithm	Öznur Özaltın, Özgür Yeniay	Turkey	Öznur Özaltın	IEEE	✓	✗
COMPARATIVE ANALYSIS OF ACTIVATION FUNCTIONS USED IN THE HIDDEN LAYERS OF DEEP NEURAL NETWORKS	Martin Kaloev, Georgie Krastev	Bulgaria	Martin Kaloev	IEEE	✓	✓
A simulation-based analysis for a transverse guidance for highly automated driving functions	Marzana Khatun, Milin Patel, Rolf Jung, Michael Glaß	Germany	Marzana Khatun	IEEE	✓	✓
Robust Model Predictive Control for Autonomous Lane-Changing	Serdar Coskun	Turkey	Serdar Coskun	IEEE	✓	✓
Detailed Investigation and Comparison of Various Binarization Algorithms for Hashing	Şaban Öztürk	Turkey	Şaban Öztürk	IEEE	✓	✓
An Enhanced Slime Mould Algorithm for Function Optimization	Davut Izci	Turkey	Davut Izci	IEEE	✓	✓
Metamaterial-based Printed Circuit Antenna for Biomedical Applications	Dhulfiqar Ali, Taha A Elwi, Serkan Ozbay	Turkey	Dhulfiqar Ali	EJOSAT	✓	No need
Machine Learning approach for Item-based Movie Recommendation using most relevant similarity techniques	Mijanur Rahman, Sumiya Prity, Ziad Abdul Bari	Bangladesh	Mijanur Rahman	IEEE	✓	✓
Non-Contact Micromanipulation of a Single E. Coli Minicell	Jiyan Süner, Ahmet Fatih Tabak	Turkey	Ahmet Fatih Tabak	EJOSAT	✓	No need
Using blockchain technology to ensure security in the cloud and IoT environment	Vagif Gasimov, Shahla Aliyeva	Azerbaijan	Shahla Aliyeva	IEEE	✓	✓
Analysis of the traditional voting system and transition to the online voting system in the republic of Iraq	Wasan Salman, Viktor Yakovlev, Sameer Alani	Russia	Wasan Salman	IEEE	✓	✓
LightWeight Deep Convolutional Neural Networks for Vehicle Re-Identification using Diffusion-based Image Masking	Melike Sah, Cem Direkoglu	North Cyprus	Cem Direkoglu	IEEE	✓	✓
Localizing and Imaging of Breast Cancer Based on UWB Antenna Sensor Network	Sameer Alani, Zahriladha Zakaria, Asmla Ahmad Ahmad	Malaysia	Sameer Alani	IEEE	✓	✓
Cost Estimation in the Iron and Steel Industry	Gizem KAPANŞAHİN, Filiz ERSÖZ	Turkey	Gizem KAPANŞAHİN	IEEE	✗	✗
Weighted Round Robin Scheduling Algorithms in Mobile Ad Hoc Network	Ahmed Mohammed, Nor Fadzilah Abdullah, Sameer Alani, Othman Al-Heety, Mohammed Mudhafar, Mohammed Ayad, Sarmad Nozad	Iraq	Sarmad Nozad	IEEE	✓	✓
COVID-19 : Toward Artificial Intelligence Algorithms	Yousif Hardan Sulaiman, Ahmed Shamil Mustafa	Iraq	Ahmed Shamil Mustafa	IEEE	✓	✓
Benchmarking Usability Performance of E-Commerce Websites with AHP and TOPSIS Methods	Muhammet Enis Bulak, Orkun Kozanoğlu, Şule Nur Aydoğduoğlu, Fatmanur Göçer, Rabia Algül	Turkey	Şule Nur Aydoğduoğlu	EJOSAT	✓	No need
Power Quality and financial risk for RES investments	Vesselin Chobanov	Bulgaria	Vesselin Chobanov	IEEE	✓	✓
Development of single-Axis Wheel Speed Sensor HiL Test Bench for Vehicle Velocity Control	Jannis Kreß, Arturo Morgado-Estevez, Fernando Perez-Peña, Karsten Schmidt, Hektor P. Hebert	Germany	Jannis Kreß	IEEE	✓	✓
Design and implementation of a photovoltaic system for self-sufficient energy supply of mobile robots	Christoph Geng, Karsten Schmidt	Germany	Christoph Geng	IEEE	✓	✓
Ampirik Mod Ayrıştırması ve Welch Yöntemini Kullanarak Dört Sınıflı Motor Hayali EEG Sinyallerinin Derin Öğrenme ile Sınıflandırılması	Mustafa Tosun, Osman Çetin	Turkey	Osman Çetin	EJOSAT	✓	No need

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Study of Energy Efficiency in a Class of CNC Machine Tools	Marin Zhilevski, Mikho Mikhov	Bulgaria	Marin Zhilevski	IEEE	✓	✓
A Review of Recent Advances for Preventing, Diagnosis and Treatment of Diabetes Mellitus using Semantic Web	Kadime GOGEBAKAN, Melike SAH	North Cyprus	Kadime GOGEBAKAN	IEEE	✓	✓
Face Detection, Tracking and Recognition with Artificial Intelligence	Pınar Oğuz Ekim, Sercan Çağdaş Tekkök, Bekir Bostancı, Mehmet Emre Söyünmez	Turkey	Pınar Oğuz Ekim	IEEE	✓	✓
IMMBA – An Integrative Model for Mobile Banking Adoption: The Case of Saudi Arabia	Amal Alzahrani, Natalia Beloff, Martin White	UK	Amal Alzahrani	IEEE	✓	✓
Role and challenges of the use of UAV-aided WSN monitoring system in large-scale sectors	Mohammad A. Al-Mashhadani, Mustafa Maad Hamdi, Ahmed Shamil Mustafa	Iraq	M. A. Al-Mashhadani	IEEE	✓	✓
Analysis of Anomaly Detection Approaches Performed Through Deep Learning Methods in SCADA Systems	Hakan Can Altunay, Zafer Albayrak, Ahmet Nusret Özalp, Muhammet Çakmak	Turkey	Hakan Can Altunay	IEEE	✓	✓
Network Intrusion Detection Approach Based on Convolutional Neural Network	Hakan Can Altunay, Zafer Albayrak	Turkey	Hakan Can Altunay	EJOSAT	✓	No need
Generative Design Methodology for Internet of Medical Things (IoMT)-based Wearable Biomedical Devices	Cinay Dilibal, Brian L. Davis, Chinmay Chakraborty	Turkey	Cinay Dilibal	IEEE	✓	✓
Automated Evaluation of the Virtual Assistant in Bleu and Rouge Scores	Hajar Chatoui, Oğuz Ata	Turkey	Hajar Chatoui	IEEE	✓	✓
Machine Learning Algorithms for Regression Analysis and Predictions of Numerical Data	Diyana Kinaneva, Georgi Hristov, Petko Kyuchukov, Georgi Georgiev, Plamen Zahariev, Rosen Daskalov	Bulgaria	Diyana Kinaneva	IEEE	✓	✓
A Workflow for Developing Game Assets for Video Games	Georgi Hristov, Diyana Kinaneva	Bulgaria	Diyana Kinaneva	IEEE	✓	✓
Development of Bioinspired Robotic Pectoral Fin Structure Using Radial Scissor Mechanism	Ali Riza Sapmaz, Savaş Dilibal, Can Ozbaran, Mert Gerçek	Turkey	Savaş Dilibal	IEEE	✓	✓
Nickel-Titanium SMA Springs Actuated Bioinspired Soft Robot for Pipeline Inspections	Yavuz Sapmaz, Savas Dilibal, Orhan Yilmaz, Ali Riza Sapmaz	Turkey	Savas Dilibal	IEEE	✓	✓
An Efficient FOPID Controller Design for Vehicle Cruise Control System Using HHO Algorithm	Davut Izci, Serdar Ekinici	Turkey	Davut Izci	IEEE	✓	✓
Lightweighth Convolutional Neural Networks for Person Re-Identification	Fatih Aksu, Cem Direkoglu	North Cyprus	Fatih Aksu	IEEE	✓	✓
Calculation and Mitigation of the Magnetic Fields under the High Voltage Overhead Transmission Line	Salah-Eddine Houicher	Algeria	Salah-Eddine Houicher	IEEE	✗	✗
Fault Detection and Diagnosis on Process Control Systems Using Ensemble Learning Algorithms from Poincare Plot Measures	Emre Çancioğlu, Savaş Şahin, Yalçın İşler	Turkey	Emre Çancioğlu	EJOSAT	✓	No need
A Novel Docking Algorithm Based On The LiDAR And The V-shape Features	Pınar Oğuz Ekim, Sercan Çağdaş Tekkök, Bekir Bostancı, Mehmet Emre Söyünmez	Turkey	Pınar Oğuz Ekim	EJOSAT	✓	No need
The Use of Machine Learning in Evaluating the Usability of TV and Set-Top Boxes Interfaces	Aycan Pekpazar, Çiğdem Altın Gümüşsoy	Turkey	Aycan Pekpazar	EJOSAT	✓	No need
Association between Usability Heuristics and Problems: Use of Machine Learning	Aycan Pekpazar, Çiğdem Altın Gümüşsoy	Turkey	Aycan Pekpazar	EJOSAT	✓	No need
Determine the Shortest Path Problem Using Haversine Algorithm, A Case Study of SMA Zoning in Depok	Diana Ikasari, Widiastuti Widiastuti, Rheza Andika	Indonesia	Diana Ikasari	IEEE	✓	✓

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Title	Author(s)	Author(s) Country	Speaker	Publishing	Register	PDF Express
Review of Generative Adversarial Networks for Image-to-Image Translation and Image Synthesis	Sara Altun, Muhammed Fatih Talu	Turkey	Sara Altun	EJOSAT	✓	No need
Wrist Vein Recognition by Fusion of Multiple Handcrafted Methods	Felix Olanrewaju Babalola, Önsen Toygar, Yıltan Bitirim	North Cyprus	F. Olanrewaju Babalola	IEEE	✓	✓
A Significant Fallacy of Built-in Correlation Functions in Recommender Systems	Savaş Okyay, Sercan Aygün	Turkey	Savaş Okyay	IEEE	✓	✓
Modifiye Yapay Arı Kolonisi Algoritması ile Konsol Dayanma Duvarının Türkiye Bina Deprem Yönetmeliği 2018'e Göre Optimum Tasarımı	Esra Uray, Büşra Nur Çitirik	Turkey	Esra Uray	EJOSAT	✓	No need
IOT Based Low-Cost Smart Home Automation System	Bilal Mustafa, Muhammad Waseem Iqbal, Mohsin Saeed, Abdul Rehman Shafqat, Hasnain Sajjad, Muhammad Raza Naqvi	Pakistan	Bilal Mustafa	IEEE	✓	✓
Impact of Considering Wind Power Uncertainty on Transmission Expansion Planning	Reza Sirjani, Alaa Ibrahim	Turkey	Reza Sirjani	IEEE	✓	✓
Focused crawling application for building corporate knowledge base	Neyko Neykov, Svetlana Stefanova	Bulgaria	Neyko Neykov	IEEE	✓	✓
Artificial Intelligence based Blood Sugar Prediction with Smartphone Application	Volkan Kılıç	Turkey	Volkan Kılıç	EJOSAT	✓	No need
Detection of COVID-19 Cases with Fuzzy Classifiers Using Chest Computed Tomography	Aleyna Kökten, Volkan Kılıç	Turkey	Aleyna Kökten	EJOSAT	✓	No need
Deep Learning Based Automated Classification of Marble Surfaces	Mert Öktem, Şahin Alp Akosman, Özge Taylan Moral, Volkan Kılıç	Turkey	Mert Öktem	EJOSAT	✓	No need
Permanent Magnet Wind Generators: Neodymium vs. Ferrite Magnets	Mehmet Semih Özdemir, Cemil Ocak, Adem Dalcalı	Turkey	Mehmet Semih Özdemir	IEEE	✓	✓
A Linear Programming Optimization Model to Minimize Waste in Cutting Steel Rods for Table Manufacturing	Mehmet Savsar	Turkey	Mehmet Savsar	IEEE	✓	✓
Measurement Precision of Average Frame for Solid-State Time-of-Flight Camera	Cihan Altuntas	Turkey	Cihan Altuntas	IEEE	✓	✓
Dental Kişi Tanıma Amacıyla Panoramik Röntgen Görüntülerinde Yeni Bir Çene Bölütleme Yöntemi	Mustafa Hakan Bozkurt, Serap Karagöl	Turkey	Mustafa Hakan Bozkurt	EJOSAT	✓	No need
A CPW-Fed Amended U-Shaped Monopole UWB Antenna For Surfaces Penetrating Applications	Mohammed Guerroui, Abdelhalim Chaabane, Ahcene Boualleg	Algeria	Mohammed Guerroui	IEEE	✗	✗
Integrity and Authentications for service security in vehicular ad hoc networks (VANETs): A Review	Mustafa Maad Hamdi, Yuser Anas Yussen, Ahmed Shamil Mustafa	Iraq	Mustafa Maad Hamdi	IEEE	✓	✓
Performance Analysis of KNN and Neural Networks for Predicting Customer Purchases in a Real Retail Department Store	Ledion Lico, Indrit Enesi	Albania	Indrit Enesi	IEEE	✓	✓
Neural Network Based Android Malware Detection with Different IP Coding Methods	Esra Calik Bayazit, Ozgur Koray Sahingoz, Buket Dogan	Turkey	Esra Calik Bayazit	IEEE	✓	✓
Deep Learning Based Object Detection and Recognition of Unmanned Aerial Vehicles	Erdem Bayhan, Zehra Ozkan, Mustafa Namdar, Arif Basgumus	Turkey	Erdem Bayhan	IEEE	✓	✓

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Title	Author(s)	Author(s) Country	Speaker	Publishing	Register	PDF Express
Haber Metinlerinden Sosyo-ekonomik ve Epidemiyolojik Konuların Metin Madenciliğine Dayalı Belirlenmesi	Aytuğ Onan	Turkey	Aytuğ Onan	EJOSAT	✓	No need
Bulanık Mantık Tabanlı Bir Hibrit Yol Takip Yöntemi	Muhammed Çelik, Cenk Ulu	Turkey	Muhammed Çelik	EJOSAT	✓	No need
Hybrid Course Recommendation System Design for a Real-Time Student Automation Application	Alper Arık, Savaş Okyay, Nihat Adar	Turkey	Alper Arık	EJOSAT	✓	No need
The Implementation of DCGAN in the Data Augmentation for the Sperm Morphology Datasets	Kamran Balayev, Nihad Guluzade, Sercan Aygun, Hamza Osman Ilhan	Turkey	Kamran Balayev	EJOSAT	✓	No need
Modeling and Optimal Motion Planning for the Omnidirectional Mobile Robot with Three Orthogonal Wheels	Eyad Almasri, Mustafa Kemal Uyguroğlu	North Cyprus	Eyad Almasri	IEEE	✓	✓
Cybersecurity, Computer Networks Phishing, Malware, Ransomware, and Social Engineering Anti-Piracy Reviews	Mehmet Ozer BASESKIOGLU, Abdulkadir TEPECİK	Turkey	M. Ozer BASESKIOGLU	IEEE	✓	✓
Nesnelerin İnterneti Tabanlı Kablosuz Taşınabilir EKG Cihazı	Bircan Çiftçi, Zeynep Şen, Mustafa Alper Akkaş	Turkey	Bircan Çiftçi	EJOSAT	✓	No need
Design of an Automated Car Washing System with Verilog HDL	Marin Zhilevski, Vladimir Hristov	Bulgaria	Marin Zhilevski	IEEE	✓	✓
Impact of Environmental Variables on the Propagation Phenomena in Wireless Sensor Networks: Open Problems and Research Opportunities	Mauricio Gonzalez-Palacio, Lina Sepúlveda-Cano, Diana Tobón-Vallejo	Colombia	M. Gonzalez-Palacio	IEEE	✗	✗
Türkiye'nin Enerji İhtiyacını Tahmin Etmek için Jaya Algoritması'na Dayalı Yeni Bir Hibrit Yaklaşım	Ergun Uzlu	Turkey	Ergun Uzlu	EJOSAT	✓	No need
Electrical Infrastrucure in Hospitals risks and opportunity for quality healthcare	Vesselin Chobanov	Bulgaria	Vesselin Chobanov	IEEE	✓	✓
A Hybrid Stock Optimization Approach for Inventory Management	Egemen Berki Çimen, İlknur Kurban, Özgür Selmanoğlu, Murat Şahin, Deniz Kılınc	Turkey	Egemen Berki Çimen	IEEE	✓	✓
Evaluation of Temporal Change in Land Use in Terms of Coastal Line and Ownership: The Case of Erzin District	Fazıl Nacar	Turkey	Fazıl Nacar	EJOSAT	✓	No need
Wavelet-based Spatial-temporal Feature Extraction for Gesture Recognition	Tuğba Zeybek, Ufuk Sakarya	Turkey	Tuğba Zeybek	IEEE	✓	✓
ASSISTANT IN DIAGNOSIS FOR DOCTOR, ARTIFICIAL INTELLIGENCE SUPPORTED DISEASE DETECTION SPECIALIST	Ethem Karal	Turkey	Ethem Karal	EJOSAT	✓	No need
Design of IoT-based Air Quality Meter Module and Air Quality Analysis with Machine Learning	Ege Alp Türkyener, Savaş Şahin, Sadık Arslan	Turkey	Ege Alp Türkyener	EJOSAT	✓	No need
Implementation of a Mobile Application for Teaching and Analyzing RLC Circuits	Anday Duru, Kadir İleri	Turkey	Kadir İleri	IEEE	✓	✓
Tactile Feedback on a Fabric Surface Using Electro vibration	Rıza İlhan, Kadir Kaçanoğlu	Turkey	Rıza İlhan	IEEE	✓	✓
A Programmable Analog Device Based Emulation Circuit Design for Excitatory and Inhibitory Neurons	Nimet Korkmaz	Turkey	Nimet Korkmaz	IEEE	✓	✗
Sentiment Analysis of Meeting Room	Mert İleri, Metin Turan	Turkey	Mert İleri	IEEE	✓	✓
A Book Recommendation System Using Decision Tree-based Fuzzy Logic for E-Commerce Sites	M. Fatih ADAK, Metehan UCAR	Turkey	Metehan UCAR	IEEE	✓	✓

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Internet of Things Based Smart Medicine Mobile Application	Zeynep Öztemur, Eda Saydam, Azra Nur Gür, Mustafa Alper Akkaş	Turkey	Zeynep Öztemur	EJOSAT	✓	No need
The analysis of Teletraffic and Handover Performance in Cellular System	Mohammed Salah Abood, Ahmed Mustafa, Mustafa Hamdi, Ali Al-Fakih, Hussain Mahdi, Naser Hussein	China	M. Salah Abood	IEEE	✓	✓
Design and implementation of a cognitive ability virtual reality training tool	Hazan Perez-C., William D. Moscoso-Barrera, Luis Alfredo Paipa-Galeano	Colombia	Hazan Perez-C.	IEEE	✓	✓
FPGA Design of a Fourth Order Elliptic IIR Band-Pass Filter Using LabVIEW	Güner Tatar, İhsan Çiçek, Salih Bayar	Turkey	Güner Tatar	EJOSAT	✓	No need
Point Clouds of Bridge Generated by Terrestrial Laser Scanner and Images via Structure from Motion Technique: Comparison Study	Shakhzod Takhirov, Robert Kayen	USA	Shakhzod Takhirov	IEEE	✓	✓
İki Amaçlı Çoklu Gezgin Satıcı Problemi için Üç Aşamalı Çözüm Yaklaşımı	Beyza Günesen, Muzaffer Kapanoğlu	Turkey	Beyza Günesen	EJOSAT	✓	No need
FPGA Hardware Implementation of a SHA384 Accelerator for Internet of Things Applications	İhsan Çiçek	Turkey	İhsan Çiçek	EJOSAT	✓	No need
ARM Based Smart Water Meter with LoRa for Soilless Agriculture Application	Caner Baydur, Savaş Şahin, Alkim Gökçen, Bahadır Yeşil	Turkey	Caner Baydur	EJOSAT	✓	No need
Design of the Personal Electrics Vehicle	Atıl Emre COŞGUN	Turkey	Atıl Emre COŞGUN	EJOSAT	✓	No need
Disturbance Observer Based Force Estimation and Bilateral Teleoperation on Impedance Type Haptic Interfaces	Uğur Tümerdem	Turkey	Uğur Tümerdem	Abstract	✓	No need
DENİZ SAVAŞ SİSTEMLERİ TEST YÖNETİM SÜREÇLERİ	Büşra TOPCU, Selim BAYRAKLI	Turkey	Büşra TOPCU	IJMSIT	✓	No need
6-DOF Grasp Detection for Unknown Objects Using Surface Reconstruction	Henry Schaub, Alfred Schöttl, Maximilian Hoh	Germany	Henry Schaub	IEEE	✓	✓
Zero Flow Rate Detection of Ultrasonic Water Meter Using Machine Learning Techniques	Alkim GÖKÇEN, Bahadır YEŞİL	Turkey	Alkim GÖKÇEN	EJOSAT	✓	No need
Öznelikli Ağlarda Topluluk Arama	TUĞÇE KAĞNICI, ARZU GORGULU KAKİSİM	Turkey	TUĞÇE KAĞNICI	EJOSAT	✓	No need
A new Deep Learning Based Intrusion Detection System for Cloud Security	Selman Hizal, Ünal Çavuşoğlu, Devrim Akgün	Turkey	Selman Hizal	IEEE	✓	✓
COVID-19 ile İlgili Sosyal Medya Gönderilerinin Metin Madenciliği Yöntemlerine Dayalı Olarak Zaman-Mekansal Analizi	Aytuğ Onan	Turkey	Aytuğ Onan	EJOSAT	✓	No need
Efficacy and Acceptance of Virtual Classroom During COVID-19: Bangladesh Perspective	Nabarun Halder, S. M. Rakibul Islam, Md. Sarwar Hosain, Eshtiaq Ahmed, Ashraful Islam, Sheak Rashed Haider Noori	Bangladesh	Nabarun Halder	IEEE	✓	✓
Implementation of pick-and-place algorithms for the purposes of wafer handling robotics simulations	Nikolay Bratovanov	Bulgaria	Nikolay Bratovanov	IEEE	✓	✓
Automated Control of Pasteurization in Wine Production	Vladimir Hristov, Danail Slavov	Bulgaria	Danail Slavov	IEEE	✓	✓
Effect of Data Set Size on Deep Learning in Voice Recognition	Ayşe Nur Çayır, Tuğba Selcen Navruz	Turkey	Ayşe Nur Çayır	IEEE	✓	✓
Comparison Of Iron And Steel Production Defects Using Classification Algorithms	İsmail Burak AKINCI, Dina ALOBAIDI, Filiz ERSÖZ	Turkey	İsmail Burak AKINCI	IEEE	✓	✗
Analysis of the KNN Classifier Distance Metrics for Bulgarian Fake News Detection	Tsvetelina Mladenova, Irena Valova	Bulgaria	Tsvetelina Mladenova	IEEE	✓	✓

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Kablosuz EKG Cihazı Tasarımı ve Sinyal İşleme Teknikleri Kullanılarak Özniteliklerin Değerlendirilmesine Yönelik Web Sitesi Tasarımı	Sinem Abdioğlu, Büşra Acar, Ahmet Reşit Kavsaoğlu	Turkey	Sinem Abdioğlu	EJOSAT	✓	No need
Adopting Drone Technology in Mathematical Education	Siditë Duraj, Lekë Pepkolaj, Gerald Hoxha	Albania	Siditë Duraj	IEEE	✓	✗
A Two Phase Smart Code Editor	Yusuf Akgul, Melike Kalyon	Turkey	Melike Kalyon	IEEE	✓	✓
Enhanced Super Twisting -based RISE Control For Trajectory Tracking Of Parallel Robot	Fatima NOURI	Algeria	Fatima NOURI	IEEE	✓	✓
Dual-Band Frequency Absorber Based on Split-Ring Resonators for WiMAX and WLAN Bands	Alparslan Cinar, Siddik Cumhuri Basaran	Turkey	Alparslan Cinar	EJOSAT	✓	No need
An Approach for Data Transformation In Homogeneous and Heterogeneous Information Systems	Forat Falih Hasan, Muhamad Shahbani Abu Bakar	Malaysia	Forat Falih Hasan	IEEE	✓	✓
Application of Machine Learning for Improving the Algorithm for Capturing, Orienting and Placing an Object with 6-Axis Robot and 2d Visual Inspection Camera	Boris Kostov, Vladimir Hristov	Bulgaria	Boris Kostov	IEEE	✓	✓
Solar Power Forecasting With Weather Factors Using Support Vector Regression	Ezgi Deniz Ülker, Sadık Ülker	Turkey	Sadık Ülker	IEEE	✓	✓
A Study Of Modulation Types in Visible Light Communication	Pınar Uzun, Levent Gökrem	Turkey	Pınar Uzun	IEEE	✓	✓
Türkiye'nin Yenilenebilir Enerji Trendleri	Cem EMEKSİZ, Muhammed Musa FINDIK	Turkey	M. Musa FINDIK	EJOSAT	✓	No need
Methodology for bio-inspired design innovations based on functional decomposition	Sofija Sidorenko, Elena Angeleska, Filip Dimitriev, Jelena Djokikj	N. Macedonia	Elena Angeleska	IEEE	✓	✗
Hibrit Ayırıklaştırma Yöntemi Kullanarak Çok Adımlı Rüzgar Hızı Tahminlemesi	Cem EMEKSİZ, Mustafa TAN	Turkey	Mustafa TAN	EJOSAT	✓	No need
Videoların Derin Öğrenme ile Sınıflandırılarak Filtrelenmesi	Murat KAZANÇ, Tolga ENSARİ, Mustafa DAĞTEKİN	Turkey	Murat KAZANÇ	EJOSAT	✓	No need
Object Detection for Safe Working Environments using YOLOv4 Deep Learning Model	Oğuzhan Önal, Emre Dandıl	Turkey	Oğuzhan Önal	EJOSAT	✓	No need
A Roadmap to Future Applications for Internet of Nano-Things	Emre Şahin, Orhan Dağdeviren, Mustafa Alper Akkaş	Turkey	Emre Şahin	EJOSAT	✓	No need
EVALUATION OF JEPPESEN AND GARMIN ELECTRONIC FLIGHT BAGS (EFBs) APPLICATIONS IN TERMS OF COGNITIVE WORKLOAD AND AVAILABILITY	N. Firat Özkan, Emre Aksoy, Gökberk Şensoy	Turkey	Emre Aksoy	IJMSIT	✓	No need
Comparison of Three Travel Websites According to Cognitive Load and Usability Metrics	Büşra Nur Yetkin, N. Firat Özkan, Merve Sert, Gülce Yücel	Turkey	Büşra Nur Yetkin	IJMSIT	✓	No need
Analysis of the user experience in a web-based university staff's publication management system	Tsvetelina Mladenova, Yordan Kalmukov, Irena Valova	Bulgaria	Tsvetelina Mladenova	IEEE	✓	✓
High layer thickness influence on melt pool sizes and defects appearing of Ti6Al4V at high scan speeds	Nada Hassine, Sami Chatti, Mouna Ben Slama	Tunisia	Nada Hassine	IEEE	✓	✓
Data Reduction Algorithms for Wireless Sensor Networks Applications: Review	Mohammed Kareem Hussein	Romania	M. Kareem Hussein	IEEE	✓	✓
Test Experiment Design for IMU-Based Angle Measurement Systems	Levent Yavan, Cengiz Tepe	Turkey	Levent Yavan	EJOSAT	✓	No need

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Title	Author(s)	Author(s) Country	Speaker	Publishing	Register	PDF Express
Bi-Attempted Based Optimization Algorithm For Numerical Optimization Problems	Mehtap Köse Ulukök	North Cyprus	Mehtap Köse Ulukök	EJOSAT	✓	No need
The Effect of the Wireless Power Transfer for Electric Vehicles on State of Charge	Fatih Durmuş, Serap Karagöl	Turkey	Fatih Durmuş	EJOSAT	✓	No need
Computer vision and stochastic approach for LEO objects attitude determination	Lorenzo Mariani, Gaetano Zarcone, Shariar Hadji Hossein, Leonardo Parisi	Italy	Lorenzo Mariani	IEEE	✓	✓
IMAGE PROCESSING FOR GEO DETECTION	Gaetano Zarcone, Lorenzo Mariani, Mascia Bucciarelli, Shariar Hadji Hossein, Federico Curianò, Paola Celesti, Luigi Di Palo	Italy	Gaetano Zarcone	IEEE	✓	✓
Indoor Navigation with Visible Light Communication using Genetic Algorithm	Emre Gözüaçık, Mustafa Altıok, Levent Gökrem	Turkey	Emre Gözüaçık	EJOSAT	✓	No need
Merge Model Based Image Captioning for Smartphones	Muharrem Baran, Özge Taylan Moral, Volkan Kılıç	Turkey	Muharrem Baran	EJOSAT	✓	No need
Conceptual Design of a Cargo UAV That Can Take-off and Land Vertically	Sezgin Yolcu, Murat Akdağ	Turkey	Sezgin Yolcu	IEEE	✓	✓
Enhancement of Magnetic Dipole Spontaneous Emission with Silicon Hollow Nanocuboid Resonator in Visible Range	Şuanur KABA, Yakup HAMEŞ, Erdem ASLAN, Ekin ASLAN	Turkey	Şuanur KABA	IEEE	✓	✓
Nöroanatomi Dersi için bir Mobil Uygulama Önerisi	Güzin Tirkeş, Deniz Gökpınar, Ekin Ece Arıcı, Afranur Bayralı	Turkey	Deniz Gökpınar	EJOSAT	✓	No need
Surround Sound Direction Detection System For The Hearing Impaired	Ahmet Reşit KAVSAOĞLU, Hasan CAMCI	Turkey	Hasan CAMCI	EJOSAT	✓	No need
Job Descriptions Keyword Extraction using Attention based Deep Learning Models with BERT	Hussain Falih Mahdi, Rishit Dagli, Ali Mustufa Shaikh, Sameer Nanivadekar	India	Rishit Dagli	IEEE	✓	✓
On the Limit of Multiplexers in Stochastic Computing	Sercan Aygun, Ece Olcay Gunes	Turkey	Sercan Aygun	IJMSIT	✓	No need
Hybrid Explainable Smart House Control System	Algirdas Dobrovolskis, Egidijus Kazanavicius	Lithuania	Algirdas Dobrovolskis	IEEE	✓	✓
Autonomously Controlled Intelligent Wheelchair System for Indoor Areas	Halil İbrahim Şahin, Ahmet Reşit Kavsaoğlu	Turkey	Halil İbrahim Şahin	IEEE	✓	✓
Fetal Movement Detection and Anatomical Plane Recognition using YOLOv5 Network in Ultrasound Scans	Emre Dandıl, Musa Turkan, Furkan Ertürk Urfalı, İsmail Bıyık, Mehmet Korkmaz	Turkey	Musa Turkan	EJOSAT	✓	No need
Current Research Areas in Blockchain	Yılmaz Dikilitaş, Kazım Onur Toka, Ahmet Sayar	Turkey	Yılmaz Dikilitaş	IEEE	✓	✗
A Comparative Assessment of Text-independent Automatic Speaker Identification Methods Using Limited Data	Mandana Fasounaki, Emirhan Burak Yüce, Serkan Öncül, Gökhan İnce	Turkey	Mandana Fasounaki	IEEE	✓	✓
Comparative Dissolved Gas Analysis with Machine Learning and Traditional Methods	Merve Demirci, Haluk Gözde, M. Cengiz Taplamacıoğlu	Turkey	Merve Demirci	IEEE	✓	✓
Methods of control of three phase AC/DC converter with bilateral energy exchange	Kamen Hristov	Bulgaria	Kamen Hristov	IEEE	✓	✓
Investigation of Electromagnetic Wave Propagation Frequencies in Two-Dimensional Photonic Crystals with Finite Differences Method	Ayşe Nihan Basmacı, Seckin Filiz	Turkey	Seckin Filiz	EJOSAT	✓	No need
İş İlanı ve Öz Geçmişlerde Varlık İsmi Tanıma	Seda Kul, Ahmet Sayar	Turkey	Seda Kul	IEEE	✓	✓

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Control of swarm robotics in Webots with PSO	Levent Türkler, Taner Akkan, Özlem Akkan	Turkey	Levent Türkler	IEEE	✓	✓
Gri Kurt Optimizasyon Algoritması ile Kosinüs Modüleli Süzgeç Bankası Tasarımı/ Cosine Modulated Filter Bank Design with Gray Optimization Algorithm	Sümeyya Arıkan, Fatma Latifoğlu	Turkey	Sümeyya Arıkan	EJOSAT	✓	No need
Hafif Elektrikli Araçlar için Asenkron Motor Tasarımı ve Uygulaması	Cemil Ocak, Burak Yenipınar	Turkey	Cemil Ocak	EJOSAT	✓	No need
Text Generation Practices in Human Resources	Sevval Az, Kemal Can Kara, Deniz Kılınç, Fatma Bozyiğit	Turkey	Sevval Az	Abstract	✓	No need
Tekstil Sektörü için ROS Destekli Otonom Mobil Robot Geliştirilmesi	Eylul Ozer, Burak Inner	Turkey	Eylul Ozer	EJOSAT	✓	No need
Deep Reinforcement Learning Based Controller Design for Model of The Vertical Take-off and Landing System	Mahmut Ağralı, Mehmet Uğur Soydemir, Alkım Gökçen, Savaş Şahin	Turkey	Mahmut Ağralı	EJOSAT	✓	No need
Kitle-Kaynak ve Tam Metin Arama ile Markette Ürün Bazında Uygun Fiyat Öneri Sistemi	Fulya Er, Sinan Yüzüğüldü, Seda Çelik, Büşra Genç, Seda Kul, Ahmet Sayar	Turkey	Seda KUL	IEEE	✓	✓
Content Engineering for State-of-the-art SEO Digital Strategies by Using NLP and ML	Emilija Gjorgjevska, Georgina Mirceva	Macedonia	Emilija Gjorgjevska	IEEE	✓	✓
Effects of financial conditions on photovoltaic system design and investment process: An application on different scenarios	Onur Ozcan, Filiz Ersoz	TURKEY	Onur Ozcan	IEEE	✗	✓
İkili Gri Kurt ve İkili Harris Şahin Optimizasyonları ile Web Haber Sayfalarının Sınıflandırılması	Muhammet AKTAŞ, Fatih KILIÇ	Turkey	Muhammet AKTAŞ	EJOSAT	✓	No need
Hibrit Yapılı Rotor Sargısının Asenkron Motor Verimliliği ve Performansı Üzerindeki Etkilerinin İncelenmesi	Cemil Ocak, Burak Yenipınar	Turkey	Cemil Ocak	EJOSAT	✓	No need
Development of a Tomato Harvesting Robot: Peduncle Recognition and Approaching	Nikolaos Kounalakis, Emmanouil Kalykakis, Manos Pettas, Alexandros Makris, Manolis M. Kavoussanos, Michael Sfakiotakis, John Fasoulas	Greece	Nikolaos Kounalakis	IEEE	✗	✓
Adaptive Genetic Algorithm Renewed by Migration Operator	Rabia Korkmaz Tan, Şebnem Bora	Turkey	Rabia Korkmaz Tan	EJOSAT	✓	No need
Satış Oranı Düşük Ürünler için Lokasyon Odaklı Tavsiye Sisteminin Derin Öğrenmeyle Sınıflandırılması	Ahmet Zencirli, Harun Cetin, Nedim Tug, Tolga Ensari	Turkey	Ahmet Zencirli	IEEE	✓	✗
Battery State of Health and Charge Estimation Using Machine Learning Methods	Enes Malik ŞAHİN, Savaş ŞAHİN, İbrahim TANAĞARDIGİL	Turkey	Enes Malik ŞAHİN	EJOSAT	✓	No need
Comparison of Some Static Path Planning Models Localization Performance in Obstacle-Presence Environment	Dogan Yildiz, Serap Karagol	Turkey	Dogan Yildiz	EJOSAT	✓	No need
BICOT: Big Data Analysis Approach for Clustering Cloud based IoT Systems	Zuleyha Akusta Dagdeviren, Orhan Dagdeviren	Turkey	Orhan Dagdeviren	EJOSAT	✓	No need
TAARRUZ HELİKOPTERİ KAMERA VE DENGEME SİSTEMİ TASARIMI	Koray KAVLAK, Yiğit Osman TANER	Turkey	Yiğit Osman TANER	IEEE	✓	✗
U-net Mimarileri ile Glioma Tümör Segmentasyonu Üzerine Bir Literatür Çalışması	AYŞE BAŞTUĞ KOÇ, DEVRİM AKGÜN	Turkey	AYŞE BAŞTUĞ KOÇ	EJOSAT	✓	No need
Autonomous Driving by Using Convolutional Neural Network	Nikola Kalkovaliev, Georgina Mirceva	Macedonia	Nikola Kalkovaliev	IEEE	✓	✓
Tez Yazım ve Yönetim Sistemi	Yasin BADUR, Dursun AKASLAN	Turkey	Yasin BADUR	EJOSAT	✓	No need

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A Data-Driven Fatigue Prediction using Recurrent Neural Networks.	Arsalan Lambay, Ying Liu, Ze Ji, Phillip Morgan	UK	Arsalan Lambay	IEEE	✓	✓
KLANN YÜRÜME MEKANİZMALI ROBOTUN MUKAVEMET VE MODAL ANALİZİ	Koray KAVLAK, Yiğit Osman TANER	Turkey	Yiğit Osman TANER	IEEE	✗	✗
A Big Data Analysis Framework for Localization in Cloud based Sensor and Robot Networks	Zuleyha Akusta Dagdeviren, Orhan Dagdeviren	Turkey	Orhan Dagdeviren	EJOSAT	✓	No need
Educational Data Mining Using Semi-Supervised Ordinal Classification	Ferda Ünal, Derya Birant	Turkey	Ferda Ünal	IEEE	✓	✓
Phishing Web Page Detection Using N-gram Features Extracted From URLs	Mehmet Korkmaz, Emre Koçyiğit, Özgür Koray Şahingöz, Banu Diri	Turkey	Mehmet KORKMAZ	IEEE	✓	✓
SET TİPİ ENGELİ AŞMAK İÇİN STRANDBEEST YÜRÜME MEKANİZMALI MOBİL ROBOTUN TASARIMI	Koray KAVLAK, İbrahim Ali KARTAL	Turkey	İbrahim Ali KARTAL	IEEE	✓	✗
Optimization of Location of a Distribution Center for an Automobile Supply Chain System	Mehmet Savsar	Turkey	Mehmet Savsar	IEEE	✓	✓
Metaheuristic algorithm based PI controller design for a Linearized Quadruple Tank Process	Ali Kıvanç ŞAHİN, Tuba TAŞ, Emre BERTUĞ, Mustafa Şinasi AYAS	Turkey	Ali Kıvanç ŞAHİN	IEEE	✓	✓
Fault-related Alarm Detection of a Wind Turbine SCADA System	Burkay Karadayi, Yusuf Kuvvetli, Suphi Ural	Turkey	Burkay Karadayi	IEEE	✓	✓
Optimization Of Deep Learning Model Parameters In Classification Of Solder Paste Defects	Ali Sezer, Aytaç Altan	Turkey	Ali Sezer	IEEE	✓	✓
Covid-19 Döneminde Uzaktan Eğitimde Mentor Gerekliliğinin Makine Öğrenmesi Yaklaşımları İle Belirlenmesi Ve Belirleyicilerin Açıklanması	Ebru Simsek, Pelin Canbay	Turkey	Pelin Canbay	EJOSAT	✓	No need
Fuzzy Logic Controlled Active Hydro-Pneumatic Suspension Design Simulation And Comparison For Performance Analysis	Arif Mert Şerifoğlu, Coşku Kasnakoğlu	Turkey	Arif Mert Şerifoğlu	IEEE	✓	✓
Admission Chance Prediction Models for the School of Physical Education and Sports Candidates	Cumali Kaynar, Mustafa Mikail Özçiloğlu	Turkey	Cumali Kaynar	IEEE	✓	✗
A Path Planning Method For Robotic Additive Manufacturing	Kevin Castelli, Ahmed Magdy Ahmed Zaki, Anikethan Yenjalagere Balakrishnappa, Marco Carnevale, Hermes Giberti	Italy	Kevin Castelli	IEEE	✓	✓
Compressing the Scenes of Medical Video by Using Eigenvector	Hiba Hameed Alshuwaili, Abdullahi Abdu Ibrahim, Salwa A. Al-gha	Turkey	H. Hameed Alshuwaili	IEEE	✓	✗
Electricity Demand Forecasting Using the Artificial Neural Network	Yeşim Esra UNUTMAZ, Alpaslan DEMİRCİ, Said Mirza TERCAN, Recep YUMURTACI	Turkey	Yeşim Esra UNUTMAZ	IEEE	✓	✓
Brain computer interface for human-cobot interaction in industrial applications	Yevheniy Dmytriyev, Ahmed Magdy Ahmed Zaki, Marco Carnevale, Federico Insero, Hermes Giberti	Italy	Marco Carnevale	IEEE	✓	✓
Development Supply Chain Management In Terms of Quality Function: An Application in the Manufacturing Industry	Ayşenur Erdil	Turkey	Ayşenur Erdil	EJOSAT	✓	No need
Mechanical Design and Development of a Continuous Rotational Variable Stiffness Actuator	Kevin Castelli, Marco Gavioli, Yevheniy Dmytriyev, Hermes Giberti	Italy	Kevin Castelli	IEEE	✓	✓

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Mouse Cursor Control with EOG and Microcontroller-Based System	Cemil Keskinoglu, Ahmet Aydın	Turkey	Cemil Keskinoglu	EJOSAT	✓	No need
KLANN YÜRÜME MEKANİZMALI MOBİL ROBOTUN KİNEMATİK ANALİZİ	Koray KAVLAK, İbrahim Ali KARTAL	Turkey	İbrahim Ali KARTAL	IEEE	✗	✗
The Velocity Control with Machine Learning under the External Disruption of an Unmanned Sea Surface Vehicle	Recep Fatih Cantekin, Berna Erol, Seda Karadeniz Kartal	Turkey	Berna Erol	EJOSAT	✓	No need
Boundary Value Problems For Delay Differential Equations	Ravi P Agarwal	USA	Ravi P Agarwal	Abstract	✓	No need
Çok Etmenli Sistemlerde Bir Dağıtık Denklem Çözüm Algoritmasının Yakınsama Hızı En İyilemesi	Onur Cihan	Turkey	Onur Cihan	EJOSAT	✓	No need
Design of Flexible Metamaterial Absorber for Broadband Microwave Applications	Sinan Aksimsek	Turkey	Sinan Aksimsek	IEEE	✓	✓
Control Allocation of a GEO Satellite For Station-Keeping and Momentum Management by Using Thrusters and Reaction Wheels	Kezban Üçüncü Emri, Onur Cihan	Turkey	Kezban Üçüncü Emri	EJOSAT	✓	No need
BLUETOOTH CONTROLLED HEXAPOD ROBOT DESIGN	Koray KAVLAK, İbrahim Ali KARTAL	Turkey	İbrahim Ali KARTAL	Abstract	✗	No need
The Avoidance And Detection Function Of Artificial Intelligence In Covid-19	Alaa Amjed Abdulateef, Alaa Hamid Mohammed, Ihsan Amjad Abdulateef	Iraq	Alaa Amjed Abdulateef	IEEE	✓	✗
A Cloud-based Asset Tracking System For Hospitals Using Ultra-wideband Localization	Noushin Karimpour, Zuleyha Akusta Dagdeviren, Vahid Akram, Orhan Dagdeviren	Turkey	Noushin Karimpour	EJOSAT	✓	No need
A Minimum Spanning Tree based Clustering Algorithm for Cloud based Large Scale Sensor Networks	Zuleyha Akusta Dagdeviren	Turkey	Zuleyha Akusta Dagdeviren	EJOSAT	✓	No need
Mechanical and Microstructural Properties of Ti-V-Al High Temperature Shape Memory Alloy	Semra Ergen	Turkey	Semra Ergen	EJOSAT	✓	No need
Camera Controlled Smart Food Container Design	Hatice Selenay ÇAKICI, Metin TURAN	Turkey	Hatice Selenay ÇAKICI	IEEE	✓	✓
Control of Construction Quality by a Terrestrial Laser Scanner: Example of Steel Frame Building	Shakhzod M. Takhirov	USA	Shakhzod M. Takhirov	IEEE	✓	✓