

09.10.2020 (1st Day)	
Time	Programme Detail
10.00 – 12.00	Registration (Lobby / Registration Desk)
13.30 – 14.00	Welcome Ceremony (Hall A) (Online and Face to Face) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09

Hall A	
09.10.2020 (1st Day / Continuing)	
Time	Programme Detail
14.00 – 14:30	Keynote Speak-1: Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>“Artificial Intelligence in Project Management” – Prof. Dr. Çetin Elmas (Gazi University, Turkey)</i>
14:30 – 15.00	Keynote Speak -2 (Online): Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>Timoty Jaques (International Project Management Agency, USA)</i>
15.00 -15.15	Coffee Break
Session A1 (Chair: Assist. Prof. Dr. Bekir AKSOY)	
15.15 - 16.00	212: Özge Ekrem, Osamah Khaled Musleh Salman, Bekir Aksoy and Seyit Ahmet İnan. Yapay Zeka Yöntemleri Kullanılarak Kalp Hastalığının Tespiti 215: Koray Özsoy and Helin Diyar Halis. ERGİYİK BİRİKTİRME MODELLEME (EBM) 3B BASKI ALANINDA YAPAY ZEKA YÖNTEMİYLE HATA ANALİZİ 175: Fatmanur Ateş, Osamah Khaled Musleh Salman, Ramazan Şenol and Bekir Aksoy. ISPARTA İLİNDEKİ ÖRNEK BİR TRAFİK KAVŞAĞI İÇİN GÖRÜNTÜ SINIFLANDIRMA YÖNTEMLERİYLE ARAÇ TÜRÜ TESPİTİ
16.00 - 16.15	Coffee Break
Session A2(Chair: Assist. Prof. Dr. Gurcan CETIN)	
16.15 - 17.00	240: Mehmet Fatih Kaftancı, Melih Günay and Özge Öztımur Karadağ. Methods For Trajectory Prediction in Table Tennis 209: Kajtaz Bllaca. On properties of certain special zeros of Rankin-Selberg L -function 253: Remzi Gürfidan and Mevlüt Ersoy. Classification of Death Related to Heart Failure by Machine Learning Algorithms 20: Busra Ozgur and Resul Kara. Fuzzy Logic Modeling of Hospital Pneumatic Systems

Hall B	
09.10.2020 (1st Day / Continuing)	
Time	Programme Detail
15.15 - 16.00	Session C1 (Chair: Dr. Recep Çolak)
	162: İsmail Yüksel Genç, Recep Çolak, Abdullah Diler and Tuncay Yiğit. Su Ürünleri Raf Ömrü Tahmin Yazılımının Farklı Balık Türlerinde Etkinliğinin Araştırılması
	241: Bekir Aksoy and İrem Sayın. Derin Öğrenme Yöntemleriyle Duygu Analizi 4: Remzi Gürfidan and Mevlüt Ersoy. PREDICT LIVER CANCER WITH ARTIFICIAL NEURAL NETWORKS
16.00 - 16.15	Coffee Break
16.15 - 17.00	Session C2 (Chair: Prof. Dr. Hamdi Tolga KAHRAMAN)
	231: İsmail Serkan Üncü, Mehmet Kayakuş and Sefa Çetinkol. SIFT Keypoint Eşleştirme Yöntemi ile Oy Tespiti ve Sayımını Gerçekleştiren Sistemin Tasarımı
	92: Recep Çolak, Tuncay Yiğit and Ali Hakan Işık. Evde Sağlık Bakım Hizmeti Rotalama Probleminin Genetik Algoritmalar ile Çözümü 10: Gökhan Kadıroğulları, Bekir Aksoy, Hamdi Sayın and Melek Ömür. ARIMA Yapay Zeka Yöntemi Kullanılarak Isparta İlindeki Örnek Bir Kavşak için Araç sayısı ve Araç Geçiş Sürelerinin Tespiti

Hall D	
09.10.2020 (1st Day / Continuing)	
Time	Programme Detail
15.00 - 16.00	Session D1 (Chair: Assoc. Prof. Dr. Duygu Arugaslan Çinçin) (Online Session) Zoom Link: https://zoom.us/j/93699984854?pwd=c1Z0Ny8zTjJCRDBDTHoyS0VjbHVqdz09
	91: Mehmet Duman and Merve Güney Duman. Encryption and Decryption of the Data by Using the Terms of the Lucas Series 11: Bilender P Allahverdiev, Hüseyin Tuna and Yüksel Yalçınkaya. On the extensions of the dissipative conformable fractional Sturm-Liouville operator 115: Zühal Kurt, Ömer Nezih Gerek, Alper Bilge and Kemal Özkan. Multi Source Hybrid Recommendation Algorithm 205: Nur Cengiz and Duygu Arugaslan Çinçin. Stability of a Nonautonomous Recurrent Neural Network Model with Piecewise Constant Argument of Generalized Type 206: Duygu Arugaslan Çinçin, Marat Akhmet and Nur Cengiz. Dynamics of a Recurrent Neural Network with Impulsive Effects and Piecewise Constant Argument
16.00 - 16.15	Coffee Break
16.15 - 17.15	Session D2 (Chair: Assoc. Prof. Dr. Sedat Akleylek) (Online Session) Zoom Link: https://zoom.us/j/93699984854?pwd=c1Z0Ny8zTjJCRDBDTHoyS0VjbHVqdz09
	103: Ömer Faruk Koç. Derin Öğrenme Tabanlı Otomatik Dümenleme Sistemleri ile Traktörler için Rota Çıkarımı 76: Sedat Akleylek, Erdal Kılıç, Ceyda Aksaç and Burçe Şirin. Akan Veri Analizi Üzerine Bir Derleme - A Survey on Streaming Data 203: Mehmet Akif Çakar. Akışkan Verilerde Farklı Gömülü Anahtar-Değer Veri Depolama Yaklaşımlarının Verimlilik Değerlendirmesi 217: Sadettin Melenli and Aylin Topkaya. Real-Time Maintaining of Social Distance in Covid-19 Environment using Image Processing and Big Data
17.15 - 18.15	Coffee Break
18.15 - 19.00	Session D3 (Face to Face - Online Session) Zoom Link: https://zoom.us/j/93699984854?pwd=c1Z0Ny8zTjJCRDBDTHoyS0VjbHVqdz09
	ARGE/ATÖLYE ÇALIŞMASI

Hall E (Online Sessions)	
Zoom Link: https://zoom.us/j/96928827503?pwd=UHVuU0lhYmRzRmF0WjM5UEExqR0lQZz09	
09.10.2020 (1st Day / Continuing)	
Time	Programme Detail
15.00 - 16.00	Session E1 (Chair: Assoc. Prof. Dr. Utku KÖSE) Session D7 - 10/10/2020 13.30 – 14.30
16.00 - 16.15	Coffee Break
16.15 - 17.15	Session E2 (Chair: Assist. Prof. Dr. Maruf Gögebakan) 195: Maruf Gögebakan. Hibrit Kümeleme Algoritması Kullanılarak Verilerin Gauss Karma Modellere Dayalı Kümelenmesi 201: Mehmet Akif Çakar. Türkiye’de Makineler Arası Ağlara Yönelik Uzaktan Programlanabilir SIM Ekosistemi 202: Mehmet Akif Çakar. Türkiye’de Tüketicilere Yönelik Uzaktan Programlanabilir SIM Ekosistemi 237: Özlem Alpay and M Ali Akcayol. Video Etiketleme Uygulamalarında Derin Öğrenme Yaklaşımlarının Kullanılması Üzerine Kapsamlı Bir İnceleme 194: Maruf Gögebakan and Sekan Akogul. Hibrit Kümeleme Algoritması Kullanılarak Verilerin Gauss Karma Modellere Dayalı Kümelenmesi (Gaussian Mixture Model-Based Clustering of Data Using Hybrit Clustering Algorithm)
17.15 - 17.30	Coffee Break
17.30 - 18.30	Session E3 (Chair: Prof. Dr. Yusuf SONMEZ) 21: Azmi Yüksel and Aydın Çetin. Yinelenen Hata Kayıtlarının Makine Öğrenmesi ve Derin Öğrenme Yöntemleri ile Tespit Edilmesi 85: Erkan Karakaş, Yusuf Öner and Selami Kesler. Fotovoltaik Sistemlerde Parçalı Gölgeleme Durumlarında By-pass Diyotlu ve Diferansiyel Güç İşleyicili Yapıların Karşılaştırılması 98: Özkan Ünsal. Veri Madenciliği Teknikleri ile Hisse Senetleri Arasındaki Fiyat Etkileşimlerinin Belirlenmesi 151: Busra Icoz and Oya Kalıpsız. Model Güdümlü Yazılım Geliştirme Yaklaşımı Kullanılarak Mikro Servis Geliştirilmesi 182: Orhun Yıldız, Büşra Aras and Hamdi Tolga Kahraman. Sınıflandırma Problemleri için AGDE-tabanlı Meta-Sezgisel Nitelik Seçim Algoritmasının Geliştirilmesi

Hall A	
10.10.2020 (2 nd Day)	
Time	Programme Detail
9.30 - 10.30	Session A3 (Chair: Assist. Prof. Dr. Mehmet KAYAKUS)
	53: Sevgi Sengul Ayan and Deniz Gençağa. Effect of the conductances on information flow for two-neuron Hodgkin-Huxley networks
	227: Gamze YÜksel. Dynamic Mode Decomposition for Simplified MagnetoHydroDynamics
	156: Okan Oral, Süleyman Bilgin and Mehmet Ümit Ak. Evaluation of Vibration Signals Measured by 3D MEMs Accelerometer on Human Face using Wavelet Transform and Classifications Methods
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session A4 (Chair: Assist. Prof. Dr. Sevgi Sengul Ayan)
	54: Deniz Gençağa and Sevgi Sengul. Information-theoretical analysis of the effects of neuronal noise on cortical spiking neurons
	55: Ali Tunç, Mehmet Yıldırım, Şakir Taşdemir and Adem Alpaslan Altun. Development of Face Recognition System by Using Deep Learning and FaceNet Algorithm in the Operations Processes
	154: Armağan Bozkurt, Yusuf Öner, A. Fevzi Baba and Metin Ersöz. Design of External Rotor Permanent Magnet Synchronous Reluctance Motor (PMSynRM) for Electric
	248: Armend Shabani. STATISTICS ON SOME FAMILIES OF COMPOSITIONS
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session A5 (Chair: Prof. Dr. Tuncay YIĞİT)
	Keynote Speak-2: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 "Poincare chaos in Hopfield type neural networks" – Prof. Dr. Marat AKHMET (Middle East Technical University, Turkey)
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session A6 (Chair: Prof. Dr. Tuncay YIĞİT)
	Keynote Speak-3: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 "An Overview of Multiobjective Hyper-heustics" – Assoc. Prof. Dr. Ender ÖZCAN (University of Nottingham, England)
15.30 – 15:45	Coffee Break
15.45 - 16.30	Session A7 (Chair: Assoc. Prof. Dr. Utku KÖSE)
	193: Utku Köse, Mevlüt Ersoy and Ayşen Özün TÜrkÇetin. TIME SERIES ANALYSIS ON EEG DATA WITH LSTM 93: Mevlüt Ersoy, Remzi İnan and Cem Deniz Kumral. Genetik Algoritmaların FPGA Üzerinde Gerçekleştirilmesi
16.30 – 16.45	Coffee Break
16.45 - 17.45	Session A8 (Chair: Prof. Dr. Tuncay YIĞİT)
	Keynote Speak-4: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 "Türkiye' de Bulut Bilişim Uygulamaları" –Yusuf TULGAR (NetDataSoft CEO, Ankara, Turkey)
17.45 - 18.00	Coffee Break
18.00 - 19.00	Session A9 (Face to Face - Online Session)
	Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 ARGE/ATÖLYE ÇALIŞMASI

Hall B	
10.10.2020 (2 nd Day)	
Time	Programme Detail
9.30 - 10.30	Session B3 (Chair: Assoc. Prof. Dr. Utku KÖSE)
	73: Gülşah Gülbaş and Gurcan Cetin. Tavlama Benzetimi Algoritması ile Geniş Ölçekli Kablosuz Algılayıcı Ağlarda LEACH Protokolünün Optimizasyonu
	126: Utku KÖse and Şahin BİÇen. SOSYAL MEDYADA YAPAY ZEKANIN KULLANIMI 18: <i>Tuncay Yiğit, Bekir Aksoy, Mevlüt Ersoy, Ramazan Şenol and Osamah Khaled Musleh Salman. Petrol fiyatlarının Zaman Serileri ve LSTM Modeli Kullanarak Tahminlenmesi</i>
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session B4 (Chair: Assist Prof. Dr. Kajtaç Bllaca)
	252: Ercüment Güvenç, Mevlüt Ersoy and Gürcan Çetin. 3D Brain Tumor Segmentation in Magnetic Resonance FLAIR Images Using U-Net Based Deep Convolutional Networks
	245: <i>Yusuf Sönmez, Bilal Turan, Hasan Hüseyin Sayan and Ömer Faruk Tekgözoğlu. A New Convolutional Neural Network Architecture for Signature Verification</i> 218: İsmail Serkan Üncü, Mehmet Kayakuş and Bayram Derin. Determination of the Ideal Color Temperature for The Most Efficient Photosynthesis of Brachypodium Plant in Different Light Sources by Using Image Processing Techniques
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session B5 (Chair: Assist. Prof. Dr. Okan ORAL)
	184: Hilal Koçak and Gürcan Çetin. A Deep Learning-based IoT Implementation for Detection of Patients' Falls in Hospitals
	234: Sencer Aksoy and Osman Ozkaraca. OPTIMIZATION IN WIDEBAND CODE-DIVISION MULTIPLE ACCESS SYSTEMS WITH GENETIC ALGORITHM 139: Uğur Hazir and Taner Danişman. Deep Q-Learning For Stock Future Value Prediction
14.30 - 14.45	Coffee Break
14.45 - 15.45	Session B6 (Chair: Assoc. Prof. Dr. Halil İbrahim KORUCA)
	198: Okan Bingöl, Berkay Kiriş and Onur Mahmut Pişirir. Obtaining Maximum Electrical Energy with PV Panel Layout Optimization in Space Truss Roof Systems
	131: Chehbi Gamoura Samia, Halil İbrahim Korusa, Esra GÜlmez and Emine Rümeyssa Kocaer. The Theory of Complexity and “No Free Lunch” in Business Artificial Intelligence 158: Halil İbrahim Korusa, Esra GÜlmez, Emine Rümeyssa Kocaer and Samia Chehbi Gamoura. Review of Personnel Schedule in Term of Work-Life Balance

Hall C	
10.10.2020 (2 nd Day)	
Time	Programme Detail
9.30 - 10.30	Session C3 (Chair: Assoc. Prof. Dr. Osman OZKARACA)
	220: Mevlut Ersoy and Hamit Armagan. LSTM-Based Classification of Faults In Multi-Sensor Nodes In Smart Building IoT Structures
	223: İsmail Serkan Üncü and Mehmet Kayakuş. Generating Realistic Images on The Computer Through Real Luminous Intensity Data and Radiosity Method
	238: Ali Hakan Işık, Utku Kose, Mevlut Ersoy, Ayşen Özün Türkçetin and Recep Colak. Deep learning based classification method for sectional MR brain medical image data
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session C4 (Chair: Dr. Hamit Armağan)
	188: Hamit Armagan and Tuncay Yigit. e-Stüdyo' da Aydınlatma Seviyeleri ve Polinom İnterpolasyon Fonksiyonu ile Modellenmesi
	233: Mervenur Demırhan, Osman Ozkaraca and ErcÜment GÜvenÇ. PERFORMANCE ANALYSIS OF PARTICLE SWARM OPTIMIZATION AND FIREFLY ALGORITHMS WITH BENCHMARK FUNCTIONS
	213: Hamdi Sayin, Osamah Khaled Musleh Salman, Bekir Aksoy, Utku KÖse and Gamze KÖse. ECG Sinyallerini kullanarak Kalp Ritimlerinin Yapay Zeka ile sınıflandırılması
12.00 - 13.30	Lunch Break

Hall D	
10.10.2020 (2 nd Day)	
Time	Programme Detail
9.30 - 10.30	<p>Session D5 (Chair: Assist. Prof. Dr. Mevlüt Ersoy) (Online Session) Zoom Link: https://zoom.us/j/94350434495?pwd=Rkc4ckYvWXRjc1JoRFp3MHpwVmQ2Zz09</p> <p>50: Şevval Az, Uygur Takazoğlu and Aşkın Karakaş. Text Classification Models For CRM Support Tickets 87: Emre DemİR and Ahmet GÖKÇen. The Effect of Auscultation Areas on Nonlinear Classifiers in Computerized Analysis of Chronic Obstructive Pulmonary Disease 147: Ahmet Gökçen, Alkım Gökçen and Savaş Şahin. Forecasting of Li-Ion Battery Discharge Models in IoT Devices Under Random Use 22: Işıl Tuncer, Kemal Can Kara and Aşkın Karakaş. Improving Search Relevance with Word Embedding Based Clusters 65: Seth Michail, Ugur Hazir, Taha Yigit Alkan, Joseph William Ledet and Melih Gunay. A Recommendation System for Article Submission to Researcher</p>
10.30 - 10.45	Coffee Break
10.45 - 11.45	<p>Session D6 (Chair: Assoc. Prof. Dr. Ali Hakan ISIK) (Online Session) Zoom Link: https://zoom.us/j/94350434495?pwd=Rkc4ckYvWXRjc1JoRFp3MHpwVmQ2Zz09</p> <p>80: Mehmet Duman. Prevention of Electromagnetic Impurities by Electromagnetics Intelligence 13: Bilender P Allahverdiev, Hüseyin Tuna and Yüksel YalÇinkaya. Remarks on the limit-circle classification of conformable fractional Sturm-Liouville operators 38: Melih Öz, Taner Danışman, Melih Gunay, Esra Zekiye Güzey Şanal and Özgür Duman. THE EFFECT OF THE SYNTHETIC DATA ON THE EYE SEGMENTATION USING DEEPLABV3+ 48: Pelin Taş, Sezin Barın and Gür Emre Güraksın. A Review of Artificial Intelligence Techniques for Ophthalmological Images 204: Uğur GÜvenÇ, Burçin Özkaya and Okan BİngÖL. Coyote Optimization Algorithm for Optimal Reactive Power Dispatch 124: Çilem Koçak and Tuncay Yiğit. Teknoloji Bağımlılığının Bulanık Mantık ile Sınıflandırılması</p>
12.00 - 13.30	Lunch
13.30 - 14.30	<p>Session D7(Chair: Assoc. Prof. Dr. Utku KÖSE) (Online Session) Zoom Link: https://zoom.us/j/94350434495?pwd=Rkc4ckYvWXRjc1JoRFp3MHpwVmQ2Zz09</p> <p>96: Santi Wulan Purnami, Triajeng Nuraisyah, Wardah Islamiyah, Diah Wulandari and Anda Juniani. Least Square Vector Machine for Ictal and Interictal Classification Based on EEG Records of Epilepsy Patients at Airlangga University Hospital, Indonesia 104: Yoyok Setyo Hadiwidodo, Santi Wulan Purnami and Imam Rochani. Reliability of Offshore Structures due to Earthquake Load in Indonesia Water 155: Oluwatayomi Adegboye, Mehmet Aldağ and Ezgi Deniz Ülker. Support Vector Machines in Determining the Characteristic Impedance of Microstrip Lines 101: Muhammet Sinan Başarslan and Fatih Kayaalp. Classification Performance Evaluation on Diagnosis of Breast Cancer 36: Engin Melekoğlu, Ümit Kocabıçak, Muhammed Kürşad Uçar, Mehmet Recep Bozkurt and Cahit Bilgin. Machine Learning for the Diagnosis of Chronic Obstructive Pulmonary Disease and Photoplethysmography Signal – Based Minimum Diagnosis Time Detection</p>
14.30 – 14.45	Coffee Break
14.45 – 15.45	<p>Session D8 (Chair: Prof. Dr. Hamdi Tolga KAHRAMAN) (Online Session) Zoom Link: https://zoom.us/j/94350434495?pwd=Rkc4ckYvWXRjc1JoRFp3MHpwVmQ2Zz09</p> <p>77: Sedat Akleylek, Erdal Kilic, Ceyda Aksaç, Tahir Ergun Aruk and Burcu Söylemez. Nesnelerin İnterneti Tabanlı Sağlık İzleme Sistemleri Üzerine Bir Çalışma 172: Mustafa Akbel and Hamdi Tolga Kahraman. Çok Amaçlı Meta-Sezgisel Optimizasyon Algoritmalarının Performanslarının Karşılaştırılması 174: Funda Şahiner, Gamzenur Yıldırım and Hamdi Tolga Kahraman. Proje Yönetiminde Yapay Zekâ Tabanlı Paydaş Analizi Aracının Tasarımı 190: Muminhan Bilgin. Yapay Zeka ve İnsan</p>

Hall E (Online Sessions)	
Zoom Link: https://zoom.us/j/95312009352?pwd=Z2YzRkxtVnJVcEt4MGJ2MXFoTSs5UT09	
10.10.2020 (2 nd Day)	
Time	Programme Detail
9.30 - 10.30	Session E4 (Assist. Prof. Dr. Murat INCE) 12: Bilender P Allahverdiev, Hüseyin Tuna and Yüksel Yalçınkaya. Limit point classification for singular conformable fractional Sturm-Liouville operators 21: Sevcan Emek and Şebnem Bora. Estimation of the Agent Behaviors by Using the Taylor Series Approximation 52: Nur Çürükoğlu and Alper Ozpınar. SMOTE-Text : A modified SMOTE for Turkish Text Classification 110: Özcan İlhan and Tülin Erçeşlebi Ayyıldız. Software Quality Prediction: An Investigation based on Artificial Intelligence Techniques for Object-Oriented Applications 59: Murat İnce. LSTM based source code generation for Turkish pseudo code of algorithm
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session E5 (Assist. Prof. Dr. Gurcan CETIN) 148: Umut Can Cabuk, Vahid Khalilpour Akram and Orhan Dagdeviren. Analysis of Movement-Based Connectivity Restoration Problem in Wireless Ad-Hoc and Sensor Networks 146: Mustafa Tosun, Umut Can Çabuk, Vahid Khalilpour Akram and Orhan Dagdeviren. On Connectivity-Aware Distributed Mobility Models for Area Coverage in Drone Networks 74: Ömür Tosun, İrmak Daldır and Nedret Tosun. PERFORMANCE EVALUATION OF MACHINE LEARNING TECHNIQUES ON FLIGHT DELAY PREDICTION 75: Ömür Tosun, Hande Erdoğan and MK Marichelvam. Machine Breakdown Prediction with Machine Learning 143: Asmaa Alaadin, Erdem Alkım and Sercan Demirci. Effect of DoS Attacks on MTE/LEACH Routing Protocol-based Wireless Sensor Networks
12.00 - 13.30	Lunch
13.30 - 14.30	Session E6 (Chair: Assist. Prof. Dr. Abdulkadir KARACI) 67: Gokhan Altan. Enhancing Deep Learning-based Organ Segmentation for Diagnostic Support Systems on Chest X-rays 69: Gokhan Altan. SecureDeepNet-IoT: A Deep Learning application for Invasion Detection in IoT sensing systems 224: Abdulkadir Karacı. Evaluation of Deep Neural Network and Ensemble Machine Learning Methods for Cesarean Data Classification 43: Kılıçarslan Yıldırım, Muhammed Kürşad Uçar, Ferda Bozkurt and Mehmet Recep Bozkurt. Diagnosis of Parkinson's Disease with Acoustic Sounds by Rule Based Model 100: Uğur Şansal and Mevlüt Ersoy. ANALYZE PERFORMANCE OF EMBEDDED SYSTEMS WITH MACHINE LEARNING ALGORITHMS
14.30 - 14.45	Coffee Break
14.45 - 15.45	Session E7 (Chair: Assist. Prof. Dr. Okan ORAL) 130: Mehmet Bilen. A New Ensemble Prediction Approach to Predict Burdur House Prices 170: Furkan Üstünsoy, Serkan Gönen, Hasan Hüseyin Sayan, Ercan Nurcan Yılmaz and Gökçe Karacayılmaz. MICROGRID DESIGN OPTIMIZATION AND CONTROL WITH ARTIFICIAL INTELLIGENCE ALGORITHMS FOR A PUBLIC INSTITUTION 183: Esmâ İbiş and Aybars Uğur. CNN-based Fruit Classification Using Different Color Spaces 86: Tuncay Yigit and Huseyin Coskun. Evaluation of Machine Vision Studies on Quality Control of Industrial Tile Production as to Quality 4.0 and ISO Standards 56: Cevriye Altıntaş and Tuncay YİĞİT. ANALYSING THE EFFECTS OF CLASSROOM UTILISATION WITH A SELF GENERATING MEMETIC ALGORITHM FOR THE
15.45 - 16.00	Coffee Break
16.00-17.00	Session E8 (Chair: Assist. Prof. Dr. Gokhan ALTAN) 221: Eliot Bytyçi, Ermir Rogova and Endrit Beqa. Combination of Genetic and Random Restart Hill Climbing Algorithms for Vehicle Routing Problem 225: Yoyok Setyo Hadiwidodo, Daniel Mohammad Rosyid, Imam Rochani and Rizqullah Yusuf Naufal. Reliability of Offshore Structures due to Earthquake Load in Indonesia Water 250: Román Rodríguez-Aguilar and Jose-Antonio Marmolejo-Saucedo. Identification of trading strategies using markov chains and statistical learning tools 251: Román Rodríguez-Aguilar and Jose-Antonio Marmolejo-Saucedo. Estimation of the stochastic volatility of oil prices of the Mexican basket: An application of Boosting Monte Carlo Markov Chain estimation 210: Gokhan Altan. Detecting Armed Activities using Human Pose Recognition on Deep Learning based Morphological Features

Hall A	
11.10.2020 (3rd Day)	
Time	Programme Detail
	Session A9 (Chair: Prof. Dr. Tuncay YIGIT)
10.45 - 11.30	Keynote Speak-5: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>"The Power of Data and The Things It Empowers" – Prof. Dr. Hüseyin SEKER (Staffordshire University, England)</i>
12.00 - 13.30	Lunch Break
	Session A10 (Chair: Prof. Dr. Tuncay YIGIT)
13:30 - 14:30	Keynote Speak-6: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>Lecturer Dr. Bogdan PATRUT (Alexandru Ioan Cuza University, Romania)</i>
14.30 - 14.45	Coffee Break
	Session A11(Chair: Prof. Dr. Tuncay YIGIT)
14.45 - 15.30	Keynote Speak-7: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>Understanding The Mystery Behind Deep Learning-DEEP, DEEPER, DEEPEST- Assoc. Prof. Dr. Jude HEMAND (Karunya University, India)</i>
15.30 – 15:45	Coffee Break
	Session A12(Chair: Prof. Dr. Tuncay YIGIT)
15.45 - 16.30	Keynote Speak-8: (Online) Zoom Link: https://zoom.us/j/96355807705?pwd=QStERHY5VUFxY3Y0eGF6amhWN3hOdz09 <i>Assistive Devices for Visually Impaired and Blind People in Smart City Infrastructure: A Retrospective Representation of an IoE Project - Assist. Prof. Dr. Dmytro ZUBOV (University Information Science and Technology, Macedonia)</i>

Hall D	
11.10.2020 (3 rd Day)	
Time	Programme Detail
9.30 - 10.30	Session D9 (Chair: Assist. Prof. Dr. Cevriye Altıntaş) (Online Session) Zoom Link: https://zoom.us/j/93467306858?pwd=ZWtLZTd4c0piUTQ3QjYzdWMzLzRMQT09
	6: Koray Aki and Ahmet Emir DİRİK. Derin Öğrenme Tabanlı ve PID Kontrol Tabanlı Sürücüsüz Araç Sistemleri 39: Taner Danışman, Yiğit Ali Üncü, Deniz Karaçaylı, Uğur Bilge, Özer Birge, Mehmet Sait Bakır, Mehmet Göksu, Tayup Şimşek and Murat Canpolat. Predicting the location of the Uterine Cervical Os From 2D Images with CNN 44: Ulviye Savaş and Mehmet Onur Olgun. GEZGİN SATICI PROBLEMİNİN OYUN TEORİSİ MALİYET TAHSİS YÖNTEMLERİ İLE İNCELENMESİ 63: Ali Hakan Isik and Rifai Kucİ. Genetik Algoritma ile Mobil Destekli Optimum Seyahat Planlama Yazılımı: Burdur Örneği 97: Birkan Atıcı and Sevinç İlhan Omurca. Generating Classified Ad Product Image Titles with Image Captioning
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session D10 (Chair: Assoc. Prof. Dr. İsmail Serkan UNCU) (Online Session) Zoom Link: https://zoom.us/j/93467306858?pwd=ZWtLZTd4c0piUTQ3QjYzdWMzLzRMQT09
	123: Çilem Koçak and Utku Köse. YAPAY ZEKÂ UYGULAMALARINDA VİCDAN VE ETİK KAVRAMLARI 169: Arif Koyun and Mehmet Dikmen. Mesleki yeterlilik belgelendirme kapsamında oluşturulan sınav programlarının genetik algoritma ile çizelgelenmesi 167: Arif Koyun and Mehmet Dikmen. Üretim sistemlerinde atölye tipi çizelgeleme işlemlerinin yapay sinir ağları ile çözümlenmesi 60: Tolga Büyüktanır, Handan Keçici May, Cunay Şebboy, Didem Yalçın and Mehmet S Aktaş. Mikroservis Tabanlı Yazılım Mimarisi Kullanılarak Kargo Yönetim Süreçlerinin Tasarlanması ve Gerçeklenmesi: Durum Çalışması 171: Omer Koroglu and Hamdi Tolga Kahraman. k-Ortalamalar Tabanlı En Etkili Meta-Sezgisel Kümeleme Algoritmasının Araştırılması 168: Mehmet Kati and Hamdi Tolga Kahraman. Arz-talep Tabanlı Optimizasyon Algoritmasının FDB Yöntemi ile İyileştirilmesi: Mühendislik Tasarım Problemleri Üzerine Kapsamlı Bir
12.00 - 13.30	Lunch
13.30 - 14.30	Session D11 (Chair Assist. Prof. Dr. Serdar BİROGUL) (Online Session) Zoom Link: https://zoom.us/j/93467306858?pwd=ZWtLZTd4c0piUTQ3QjYzdWMzLzRMQT09
	107: Tunahan Tımuçın, Hacer Bayiroğlu, Hakan Gündüz, Tuba Karagül Yıldız and Ercan Atagün. Predictive Analysis of the Cryptocurrencies' Movement Direction Using Machine Learning Methods 197: Burak Yenişpınar, Cemal Yılmaz, Yusuf Sönmez and Cemil Ocak. DESIGN OPTIMIZATION AND COMPARISON OF BRUSHLESS DIRECT CURRENT MOTOR FOR HIGH EFFICIENCY FAN, PUMP AND COMPRESSOR APPLICATIONS 185: Ümran Kaya. Data Mining Approach to Identify Source of Faulty Corrugated Board Products 133: Tuba Karagül Yıldız, Ercan Atagün, Hacer Bayiroğlu, Tunahan Tımuçın and Hakan Gündüz. TEXT MINING BASED DECISION MAKING PROCESS IN KICKSTARTER PLATFORM 106: Ercan Atagün, Tuba Karagül Yıldız, Tunahan Tımuçın, Hakan Gündüz and Hacer Bayiroğlu. EFFECTIVE FACTOR DETECTION IN CROWDFUNDING SYSTEM

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Zoom Link: https://zoom.us/j/91984320469?pwd=ZzhwNkM3UGlhK0gwTmk4OS83dUxkZz09	
11.10.2020 (3 rd Day)	
Time	Programme Detail
9.30 - 10.30	Session E9 (Chair: Prof. Dr. Ugur GUVENC) 70: Uğur Güvenç, Huseyin Bakir, Serhat Duman and Burçin özkaya. Optimal Power Flow Using Manta Ray Foraging Optimization 71: Uğur Güvenç, Serhat Duman and Huseyin Bakir. Optimal Coordination of Directional Overcurrent Relays Using Artificial Ecosystem Based Optimization 28: Elif Şanlıalp, İbrahim Şanlıalp and Tuncay Yiğit. Predicting Suicide Risk In Turkey Using Machine Learning 99: Ercan Atagün and Serdar Bİroğul. EFFECTIVENESS OF GENETIC ALGORITHM IN THE SOLUTION OF MULTIDISCIPLINARY CONFERENCE SCHEDULING 249: Gabriel Loy-García, Román Rodríguez-Aguilar and Jose-Antonio Marmolejo-Saucedo. A nested unsupervised learning model for classification of SKU's in a transnational company: A big data model 119: Remzi Inan, Mevlut Ersoy and Cem Deniz Kumral. Optimization of the Input/Output Linearization Feedback Controller with Simulated Annealing and Designing of a Novel Stator Flux-Based Model Reference Adaptive System Speed Estimator with Least Mean Square Adaptation Mechanism
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session E10 (Chair: Assist. Prof. Dr. Emine ARUGASLAN) 127: Sena Büşra Yengeç Taşdemir, Kasim Tasdemir and Zafer Aydın. YSA Kullanılarak Mamogramlardan Dokusal Öznelik Tabanlı Meme Kanseri Tespiti 152: Merve Güney Duman. Sürekli Kesirler ve Şifreleme Üzerine 255: Anar Adiloglu and Mehmet Gürdal. ON THE SOLUTION OF AN INFINITE SYSTEM OF DISCRETE EQUATIONS 232: Emine Aruğaslan and Hanife Çivril. Türkiye'de Eğitim Alanında Yapılan Veri Madenciliği ve Yapay Zeka Çalışmaları 78: Sedat Akleylek, Erdal Kilic, Burcu Söylemez, Tahir Ergun Aruk and Faruk Çatakaya. Kapalı Mekan Konumlandırma Üzerine Bir Çalışma 117: Barış Çelik and Burkay Genç. Ekran Çözünürlüğüne Duyarlı Bir Akıllı Arayüz Yerleştirme Yaklaşımı
12.00 - 13.30	Lunch
13.30 - 14.30	Session E11 (Chair: Prof. Dr. Semsettin KILINCARSLAN) 176: Şemsettin Kılınçarslan, Yasemin Şimşek Türker and Murat İnce. Prediction of Heat-Treated Cedar and Ash Woods Swelling and Shrinkage with Artificial Neural Networks and Random Forest Algorithm 177: Şemsettin Kılınçarslan, Yasemin Şimşek Türker and Murat İnce. Prediction of Heat-Treated Spruce Wood Surface Roughness with Artificial Neural Network and Random Forest 178: Mustafa Burunkaya and Sadık Yıldız. Microcontroller Based Long Life and Effective Hydrogen and Oxygen Gases Production with Electrolysis Method by using Artificial 179: Yasin Görmez and Zafer Aydın. ROSE: A Novel Approach for Protein Secondary Structure Prediction 189: Ali Ucar and Süleyman Eken. Recognition of Vehicle Warning Indicators
14.30 - 14.45	Coffee Break
14.45 - 15.45	Session E12 (Chair: Prof. Dr. Tuncay YIGIT) 208: Nihat Eren Özmen and Ercan Buluş. Derin Sinir Ağları Yardımıyla Fotomontaj Tespiti 211: Zuleyha Akusta Dagdeviren. A Pure Genetic Energy-Efficient Backbone Formation Algorithm for Wireless Sensor Networks in Industrial Internet of Things 239: Kamer Özgün and Melih Günay. Analysis of Public Transportation for Efficiency 32: Muhammed Numan İnce and Melih Günay. Building An Open Source Big Data Platform Based On Milis Linux 120: Sema Servi and Galip Oturanç. Reduced Differential Transform Method with Fixed Grid Size for Solving Newell–Whitehead–Segel Equation
15.45 – 16.00	Coffee Break
16.00-17.00	Session E13 (Chair: Dr. Hamit ARMAGAN) 161: Metin Bilgin and Nisanur Bulut. A New Approach Based on Simulation of Annealing to Solution of Heterogeneous Fleet Vehicle Routing Problem 64: Uğur Mertoğlu, Burkay Genç and Hayri Sever. Text-based fake news detection via machine learning 116: Mustafa Yağcı, İbrahim Şanlıalp and Elif Şanlıalp. Development of an Artificial Intelligence Based Computerized Adaptive Scale and Applicability Test 109: Fatih Köksal, Muhammed Kürşad Uçar and Kemal Polat. Determination of Heart Murmurs with Signal Processing and Machine Learning Techniques on Electrocardiography 83: Tuncay Yigit and Huseyin Coskun. A Deep Learning Based System Design Toward Digitalization of Conventional Quality Control Process in Industrial Tile Production as to

