

01.10.2021 (1st Day)	
Time	Programme Detail
10.00 – 12.00	Registration ( <b>Lobby / Registration Desk</b> )
<b>HALL PEARL</b>	
01.10.2021 (1st Day / Continuing)	
10:00-10.45	Welcome Ceremony <a href="https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09">https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09</a>
11.00-11.40	<b>Keynote Speak-1:</b> “Artificial Intelligence in Project Management” – Prof. Dr. Çetin Elmas (Azerbaijan Technical University, Azerbaijan)
11:40-11:50	Coffee Break
11.50 -12:30	<b>Keynote Speak -2: (Online)</b> <a href="https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09">https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09</a> “PM initiatives in Smart City technologies in the context of IPMA.”- Mladen Vukomanovi (Vice President, International Project Management Agency – IPMA, Croatia)
12:30-14:00	Lunch Break
14:00 -14:45	<b>Keynote Speak -3:</b> “Innovation and Project Management: Meeting the Practical Demands of Digitization “ -Timoty Jaques (International Project Management Agency - IPMA, USA)
14:45 - 14:50	Coffee Break
14:50 - 15:05	<b>Keynote Speak -4 (Online)</b> <a href="https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09">https://us02web.zoom.us/j/87002298819?pwd=VEF1eWIBT21NSIY5UFRIRE1WQ3hsZz09</a> “Ulusal Yapay Zeka Stratejisi 2021-2025 “ -Uzman Zümrüt Müftüoğlu (Türkiye Cumhuriyeti Cumhurbaşkanlığı Dijital Dönüşüm Ofisi, Dijital Dönüşüm Koordinasyon Başkanlığı)
15:05-15:15	Coffee Break
<b>Session Pearl 1 (Chair: Prof. Dr. Cemal Yılmaz)</b>	
15:15-16:00	5232- Zinnet Duygu AKŞEHİR, Sedat AKLEYLEK, Erdal KILIÇ, Burçe ŞİRİN-Collecting Health Information with LoRa Technology 6277- Ahmet KAYABASI, Berat YILDIZ, Selami BALCI-A classification study for ground contact resistance estimation with a data set based on experimental measurements
16:00 -16:15	Coffee Break
<b>Session Pearl 2 (Chair: Assist Prof. Dr. Gürcan ÇETİN)</b>	
16:15 – 17:00	5256- Ayşe YILMAZ CEYLAN, Tunahan TURHAN, Gözde ÖZKAN TÜKEL-FRENET FRAME FIELDS OF T-BÉZIER CURVES 5217 – Hamit Armağan - Modeling of Effect of the Components of Distance Education in Achievement of Students With Fuzzy Logic 6267- Gülbahar Erim, Marat Akhmet-Almost periodic solutions of recurrent neural networks with state-dependent structured impulses 5240- MARAT AKHMET, MADINA TLEUBERGENOVA, AKYLBEK ZHAMANSHIN-Poincare chaos in an inertial neural network
17:00 - 17:15	Coffee Break
<b>Session Pearl 3(Chair:Assoc. Prof. Dr. Erdal Aydemir)</b>	
17:15 – 18:00	6279- İbrahim Arda Çankaya, Muzaffer Tatlı-3 Boyutlu Yazıcılarda Ürün Optimizasyonu İçin Makine Öğrenmesi Teknikleriyle Mobil Tabanlı Bir Sistem Geliştirilmesi 2124- Hilmi Cenk BAYRAKÇI, Abdullah Burak KEŞKEKÇİ-Eklemeli imalat yöntemleri ile 3 serbestlikli robot kol tarasının gerçekleştirilmesi 5174- Ali Hakan IŞIK, Ferdi Alakuş, Ömer Can Eskicioğlu-Hayvancılıkta Robotik Sistemler ve Yapay Zeka Uygulamaları

01.10.2021 (1st Day / Continuing)	
Time	Programme Detail
15:15-16:00	Session ONYX 1 (Chair: Prof. Dr. Hamdi Tolga KAHRAMAN)
	4163- Recep Çolak, Tuncay YİĞİT-Üniversite Ders Çizelgeleme Probleminin Genetik Algoritma ile Optimizasyonu
	5185- Yasin GÖRMEZ, Halil ARSLAN, Suat SARI, Mücahit DANIŞ-SALDA-ML: Makine Öğrenmesi Yöntemleri ile Maaş Artışı Belirleyen Sistem Tasarımı
	5186- Halil ARSLAN, Yasin GÖRMEZ, İzzeddin YILMAZ, Yasin ŞAHAN-GIB-WORKFLOW: Kurumsal uygulama altyapıları için Kod Akışları için Uygulama Çerçevesinin Geliştirilmesi
16:00 -16:15	Coffee Break
16:15 – 17:00	Session ONYX 2 (Chair: Assoc. Prof. Dr. Osman Özkaraca)
	5233- Zinnet Duygu AKŞEHİR, Sedat AKLEYLEK, Erdal KILIÇ, Ceyda AKSAÇ-A New Hybrid Method for Indoor Positioning
	5167- Kübra YALÇIN, Serhat KARAÇAM, Tuğba Selcen NAVRUZ-Improved Performance of Adaptive UKF SLAM with Scaling Parameter
	5179- Gürcan çetin, Koray Çoşkun-Comparison of the Boosting Algorithms for Classifying Network Attacks
17:00 - 17:15	Coffee Break
17:15 – 18:00	Session ONYX 3 (Chair: Assoc. Prof. Dr. Hasan Hüseyin Sayan )
	5215- Tunahan Turhan, Erdal AYDEMİR-An AHP-weighted Grey Relational Analysis under Uncertainty: The Case of Financial Analy-sis on BIST Technology Index
	5235- Gözde ÖZKAN TÜKEL, Tunahan TURHAN, Ayşe YILMAZ CEYLAN-ASYMPTOTIC FRAME FIELDS OF RATIONAL BÉZIER CURVES
	5245- Marat Akhmet, Madina Tleubergenova, Roza Seilova, Zakhira Nugayeva-Poincare chaos for an impulsive quasilinear systems
	3142- Mehmet Birhan, Doç. Dr. Ömür Tosun-Predicting Ethereum Price with Machine Learning Algorithms
4156- Burcu S. AYHAN - On Weak $e^*$ - $\theta$ -open Functions	

HALL AMBER 1	
01.10.2021 (1st Day / Continuing)	
Time	Programme Detail
	Session Amber 1.1 (Chair: Prof. Dr. Yusuf Sönmez )
15:15-16:00	4170- Mihriban Günay, Muhammed Talo, Özal Yıldırım-Derin öğrenme alanında güncel yöntemler ve yeni yönelimler 5180- MERVE BOYDAK, ÖZAL YILDIRIM, AHMET ORHAN-Derin Öğrenme Modeli Kullanarak Algılayıcı Sinyallerinden Otomatik Motor Arıza Tespiti
16:00 -16:15	Coffee Break
	Session Amber 1.2 (Chair: Assoc. Prof. Dr. Ali Hakan Işık)
16:15 – 17:00	5237- Durmuş Özkan Şahin, Bilge Kağan Yazar, Sedat Akleyek, Erdal Kılıç-ON THE ANDROID MALWARE DETECTION SYSTEM BASED ON DEEP LEARNING 6272- İlker Türker, Serkan Aksu-VarioGram – A novel representation for time series 6286- Ömer Pektaş, Murat Köseoğlu-Common AI-based methods used in blood glucose estimation with PPG Signals 3130- Murat İNCE-Üstverilerin Derin Öğrenme Algoritmaları Kullanılarak Otomatik Olarak Çıkarılması ve Sınıflanması 6274- İsmail Serkan ÜNCÜ, Mehmet KAYAKUŞ-EUPHORBIA PULCHERRIMA BİTKİSİNİN YAPRAKLARINDAKİ POTANSİYEL ÖLÇÜMÜ İLE BİTKİ SU DENGESİ TAHMİNİ
17:00 - 17:15	Coffee Break
	Session Amber 1.3 (Chair: Assoc. Prof. Dr. İlker Türker)
17:15 – 18:00	5213- Meltem Cetiner-Emsal Hukuk Dökümanlarının Otomatik Belirlenmesi 6269- ÇİLEM KOÇAK, Tuncay Yiğit -Topic modeling analysis of tweets on the Twitter Hashtags with LDA and creating a new dataset 3133- Hilmi Cenk BAYRAKÇI, Tolga PALANDIZ, Merdan ÖZKAHRAMAN-Yapay Zekâ kullanılarak Trafik İşaret Levhalarının Sınıflandırılması: Denizli İl Merkezi İçin Örnek Bir Uygulama 5191- Ahmet Tuğrul Bayrak-A Comparison of Word Embedding Models for Turkish

HALL AMBER 2	
01.10.2021 (1st Day / Continuing)	
Time	Programme Detail
15:15-16:00	Session Amber 2.1 (Prof. Dr. Uğur Güvenç)
	2109- Remzi GÜRFİDAN, Mevlüt ERSOY-IMPLEMENTATION OF BASIC MATH PROCESSING SKILLS WITH NEURAL ARITHMETIC EXPRESSIONS IN ONE AND TWO DIGIT NUMBERS
	5222- Hamit Armağan-Deep Learning-Based Prediction Model of Fruit Growth Dynamics in Apple
	5208- Uğur Can Kavuncubaşı, Burak Ertosun, Kayra Acar, Görkem Tek, Mehmet Feyzi Akşahin-AUTOMATIC AND SEMI-AUTOMATIC BLADDER VOLUME DETECTION IN ULTRASOUND IMAGES
	5168- Serhat KARAÇAM, Kübra YALÇIN, Tuğba Selcen NAVRUZ-An Adaptive EKF Algorithm with Adaptation of Noise Statistic Based on MLE, EM and ICE
16:00 -16:15	Coffee Break
16:15 – 17:00	Session Amber 2.2 (Assist. Prof. Dr. Murat İnce)
	3136- Hilmi Cenk BAYRAKÇI, Merdan ÖZKAHRAMAN, Rabia ÇİÇEKDEMİR-Tarım Arazilerinde Harcanan Su Miktarını Yapay Zeka Teknikleri Kullanarak Belirlenmesi
	4168- Fatma Murat, Ferhat Sadak, Muhammed Talo, Özal Yıldırım, Yakup Demir-Atrial fibrilasyon tespiti için evrişimli sinir ağı tabanlı bir derin ağ modeli
	3127- Nilgün Şengöz, Özlem Özmen, Ali Hakan Işık, Tuncay Yiğit-Derin Evrişimli Sinir Ağı Kullanarak Yeni bir Histopatoloji Görüntü Algılama ve Sınıflandırma Yaklaşımı
5195- Handan TOPRAK ŞENOL, Osman Özkaraca-ZEKİ SİSTEMLER İLE ARK KAYNAĞI ELEKTROTLARINDAKİ KAYNAK PARAMETRELERİNİN İNCELENMESİ	
17:00 - 17:15	Coffee Break
17:15 – 18:00	Session Amber 2.3 (Prof. Dr. Okan Bingöl)
	3131- Bekir AKSOY, Mustafa Melikşah ÖZMEN, Muzaffer EYLENCE, Seyit Ahmet İNAN-Deep Learning Based Air Defense System for Unmanned Aerial Vehicles
	5183- Halil Arslan, İbrahim Ethem Dadaş, Yunus Emre Işık-Farklı Vektörleştirme ve Önışlem Yöntemleri ile Talep Sınıflandırma
	4153- Batuhan Cem ÖĞE, Fatih Kayaalp-Farklı Sınıflandırma Algoritmaları ve Metin Temsil Yöntemlerinin Duygu Analizinde Performans Karşılaştırılması
3140- Koray ÖZSOY and Hamdi SAYIN-Ergiyik Yığıma Yöntemi Kullanarak Üretilen Numunelerin Çekme Dayanımının Makine Öğrenmesi Yöntemleri İle Tahmini	

SALLON PEARL	
2.10.2021 (2 <sup>nd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	<b>Session PEARL 4 (Chair: Assist. Prof. Dr. Bekir Aksoy)</b>
	3149- Mustafa Salih BAHAR, Ercan BULUS-Derin öğrenme teknikleri kullanılarak yüz fotoğrafları içeren sahte fotoğraf ve video sentezi 3132- Hilmi BAYRAKÇI, Recep ARSLAN, Abdullah Burak KEŞKEKÇİ-Yapay zeka algoritmaları kullanılarak iris çiçeğinin sınıflandırılması 4162- Burak Cem KARA, Can Eyüpoğlu-Anonymization Methods for Privacy-Preserving Data Publishing 6295- Fatma Ozge Ozkok, Mete CELIK-Classification of High Resolution Melting Curves Using Recurrence Quantification Analysis and Data Mining Algorithms 5258- Mevlüt Ersoy, Cihan Yalçın-Nesnelerin Yapay Zekası
10.30 - 10.45	Coffee Break
10.45 - 11.3	<b>Session PEARL 5</b>
	<b>Keynote Speak-5:</b> <i>"Domain structured dynamics and chaos" – Prof. Dr. Marat AKHMET (Middle East Technical University, Turkey)</i>
12.00 - 13.30	Lunch Break
13.30 - 14.30	<b>Session PEARL 6 (Chair: Prof. Dr. Sedat Akleylek)</b>
	2126- Bekir AKSOY, Kaan KORUCU, Önder ÇALIŞKAN, Şaban OSMANBEY, Helin Diyar HALİS-İnsansız Hava Aracı ile Görüntü İşleme ve Yapay Zekâ Teknikleri Kullanılarak Yangın Tespiti: Örnek Bir Uygulama 5231- Cem Deniz Kumral, Ali Topal, Mevlüt Ersoy, Tuncay Yiğit-Random Forest Algoritmasının FPGA Üzerinde Gerçekleştirilerek Performans Analizinin Yapılması 6281- Furkan ERYILMAZ, Hacer KARACAN-Akciğer X-Ray Görüntülerinden COVID-19 Tespitinde Hafif ve Geleneksel Evrişimsel Sinir Ağ Mimarilerinin Karşılaştırılması 4159- YUSUF SÖNMEZ, MELTEM SALMAN-Performance Analysis of Machine Learning Algorithms for Malware Detection by Using Different Datasets
14.30 - 14.45	Coffee Break
14.45 - 15.30	<b>Session PEARL 7</b>
	<b>Keynote Speak-6:</b> <i>"Topology Optimisation of Acoustic Porous Materials Using Heuristics and Metaheuristics" – Assoc. Prof. Dr. Ender ÖZCAN (University of Nottingham, England)</i>
15.30 – 15:45	Coffee Break
15.45 - 16.30	<b>Session PEARL 8 (Chair: Prof. Dr. Melih Günay)</b>
	5216- Serhat Duman, Büşra Korkmaz, Hüseyin BAKIR, Uğur Güvenç, Hamdi Tolga Kahraman-Improved Phasor Particle Swarm Optimization with Fitness Distance Balance For Optimal Power Flow Problem of Hybrid AC/DC Power Grids 5210- Enes CENGİZ, Hamdi Tolga KAHRAMAN, Cemal YILMAZ, Çağrı SUIÇMEZ-An Improvement of Runge Kutta Metaheuristic Algorithm by Fitness-Distance Balance (FDB) Method 3129- Şemsettin Kılınçarslan, Yasemin Şimşek Türker, Murat İnce-Prediction of Flexural Properties of Wood Material Reinforced with Various FRP Fabrics by Artificial Neural Networks 6311 - Fatma Altınsoy, Asım Sinan YÜKSEL, Serhat UYSAL - A Machine Learning Based Approach for Classifying the Nutrition Quality of Food Products

HALL ONYX	
02.10.2021 (2 <sup>nd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	Session ONYX 4 (Chair: Assoc. Prof. Dr. Kenan Karagül)
	2107- Kajtaž Bllac-Explicit formula for zeta function over a function field
	6271- Madina Tleubergenova, Marat Akhmet-Unpredictable solutions for impulsive linear systems
	6288- Marat Akhmet, Duygu Aruğaslan Çinçin, Madina Tleubergenova, Zakhira Nugayeva-Unpredictable Solutions of a Scalar Differential Equation with Generalized Piecewise Constant Argument of Retarded and Advanced Type
	6293- Marat Akhmet, Duygu ARUĞASLAN ÇİNÇİN, Zekeriya ÖZKAN-Investigation of Mass-Spring Systems Subject to Generalized Piecewise Constant Forces
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session ONYX 5
	<b>Keynote Speak Hall PEARL</b>
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session ONYX 6 (Chair: Assoc. Prof. Dr. Zafer Aydın)
	3141- İsmail ALTUNHAN, Ümran Kaya-STRATEGIC FRAMEWORK FOR ANFIS AND BIM USE ON RISK MANAGEMENT AT NATURAL GAS PIPELINE PROJECT
	5219- Semih Ozden-Optimization Magnetic Field Homogeneity of the Helmholtz coil for Exposure System by Artificial Bee Colony Algorithm
	2123- Mehmet Ertekin, Mehmet Önder Efe-Autonomous Parking With Continuous Reinforcement Learning
	4150- Ümran KAYA-Data Mining Approachs for Machine Failures: Real Case Study
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session ONYX 7
	<b>Keynote Speak Hall PEARL</b>
15.30- 15.45	Coffee Break
	Session ONYX 7 (Chair: Assoc. Prof. Dr. Gamze Yuksel )
15:45 – 16:30	5212- Enes CENGİZ, Cemal YILMAZ, Hamdi Tolga KAHRAMAN, Çağrı SUIÇMEZ-Effects of Variable UAV Speed on Optimization of Travelling Salesman Problem with Drone (TSP-D)
	5169- Tuncay Soylu, Emel Soylu-Real-time telemetry system for electric vehicles
	5188- Ali Hakan IŞIK, Seyit Hasoğlu, Ömer Can Eskicioğlu-Hayvanlarda Kızgınlığın Pedometre Verileri Kullanılarak Yapay Zeka ile Tespiti
	6300- Ercüment GÜVENÇ, Murat SAKAL, Gürcan ÇETİN, Osman Özkaraca-Öğrencilerin Dersteki Niteliklerinin Makine Öğrenmesi Teknikleri Kullanılarak Sınıflandırılması
	5254- Kemal Bozkurt, Çetin Elmas, DETERMINING THE PLACES WHERE FUEL STATIONS WILL BE ESTABLISHED WITH ARTIFICIAL NEURAL NETWORKS

HALL AMBER 1	
02.10.2021 (2 <sup>nd</sup> Day/ Continuing)	
Time	Programme Detail
	Session AMBER 1.4 (Chair: Assist. Prof. Semih Özden )
9.30 - 10.30	3146- Kerim Kürşat ÇEVİK, Şeyda ANDAÇ-Diagnosis of Developmental Hip Dysplasia by Detecting the Standard Plane from Real-Time Ultrasound Images Using Deep Learning Technique 6301- Sefa ÇETİNKOL, Ali ŞENTÜRK-Automatic transferring data from the signed attendance papers to the digital spreadsheets 4151- Ümran KAYA-Data Visualization and Association Rule Approach for Detecting Sources of Manufacturing Failures 6308- Kamer Özgün, Barış Doruk Başaran, Melih Günay-Boarding Pattern Classification With Time Series Clustering
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session AMBER 1.5 <b>Keynote Speak Hall PEARL</b>
12.00 - 13.30	Lunch Break
	Session AMBER 1.6 (Chair: Assoc. Prof. Dr. Duygu Aruğaslan ÇİNÇİN)
13.30 - 14.30	4155- Emel Soylu, Tuncay Soylu-Classification of People both Wearing Medical Mask and Safety Helmet 5249- Kerim Kürşat ÇEVİK, Hasan Erdiñ KOÇER, Mustafa BOĞA, Salih Mervan TAŞ-Mask R-CNN approach for Egg Segmentation and Fertility Egg Classification 6287- M.Cemil Güney, Yakup Genç-Capturing Reward Functions for Autonomous Driving: Smooth Feedbacks, Random Explorations and Explanation-based Learning 3128- Şemsettin Kılınçarslan, Yasemin Şimşek Türker-Investigation of Effect of Wrapping Length on the Flexural Properties of Wooden Material in Reinforcement with Aramid FRP
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session AMBER 1.7 <b>Keynote Speak Hall PEARL</b>
15.30 - 15.45	Coffee Break
	Session AMBER 1.8 (Chair: Assoc. Prof. Dr. Tunahan Turhan)
15.45 - 16.30	5223- Çağrı SUIÇMEZ, Cemal YILMAZ, Hamdi Tolga KAHRAMAN, Enes CENGİZ, Alihan SUIÇMEZ-PREDICTION OF HEPATITIS C DISEASE WITH DIFFERENT MACHINE LEARNING AND DATA MINING TECHNIQUE 5190- Hassan Abdurahman Farah, Arzu Gorgulu Kakisim-Enhancing lexicon based sentiment analysis using n-gram approach 5202- Emre Yalcin-The unfairness of collaborative filtering algorithms' bias towards blockbuster items 5218- Hüseyin Bakır, Seyithan Temel, Serhat Duman, Hamdi Tolga Kahraman, Uğur Güvenç-Development of a FDB-based Chimp Optimization Algorithm for Global Optimization and Determination of the Power System Stabilizer Parameters 7305-Taylan Kural, Yusuf Sönmez, Murat Dener, Android Malware Analysis and Benchmarking with Deep Learning

HALL AMBER 2	
02.10.2021 (2 <sup>nd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	Session AMBER2.4 (Chair: Assist. Prof. Dr. Emel Soylu)
	6273- Ömer Yazar, Özgür Mızrak-SONLU ARALIKTA TANIMLI DALGA DENKLEMİNİN ÇÖZÜMÜ ÜZERİNE
	5199- Gamze YÜKSEL, Hakan SÖKÜN-EGE BÖLGESİ İÇİN DİNAMİK MOD AYRIŞTIRMASI İLE KURAKLIK ANALİZİ
	3125- Bekir AKSOY, Mehmet YÜCEL, Reşat SELBAŞ, Merdan ÖZKAHRAMAN-Real-Time Mask Detection Based on Artificial Intelligence Using Renewable Energy System Unmanned Aerial Vehicle
	5207-Seyithan Temel, Hamdi Tolga Kahtaman, Yapay Sinir Ağları ve K-Ortalamlar Tabanlı Büyük Veri Azaltma Algoritmasının Tasarımı ve Uygulaması
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session AMBER2.5
	<b>Keynote Speak Hall PEARL</b>
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session AMBER2.6 (Chair: Prof. Dr. Erdal Kılıç)
	6280- Ferdi Alakuş, Ali Hakan Işık, Ömer Can Eskicioğlu-Hareket Yakalama ve Sanal Gerçeklik Teknolojileri Kullanarak Oyun Tabanlı Rehabilitasyon
	5246- Yusuf Şahin, Kenan Karagül, Erdal Aydemir -HETEROJEN FİLOLU YEŞİL ARAÇ ROTALAMA PROBLEMİNİN BENZETİMLİ TAVLAMA YÖNTEMİ İLE ÇÖZÜMÜ
	6298- Okan Bingöl, Onur Mahmut Pişirir-Makine Öğrenmesi Modeli ile İnsanın Antropometrik Özelliklerinin Sınıflandırılması
6275- İsmail Serkan ÜNCÜ, Mehmet KAYAKUŞ-GÖRÜNTÜ İŞLEME TABANLI TIRNAK KISALTMA SİSTEMİNİN TASARLANMASI ve UYGULAMASI	
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session AMBER2.7
	<b>Keynote Speak Hall PEARL</b>
15.30 - 15.45	Coffee Break
15:45 – 16:30	Session AMBER2.8 (Chair: Assoc. Prof. Ercan Buluş)
	5214- Çağrı SUIÇMEZ, Hamdi Tolga KAHRAMAN, Cemal YILMAZ, Enes CENGİZ-Improvement of SMA optimization algorithm with FDB method
	6270- Nihal Gümüşbaş, Arf Partitions and Symmetry
	5203- DURDANE AYŞE TAŞCI, Prof.Dr.Hamdi Tolga KAHRAMAN, Mehmet KATI-Global Optimizasyon Problemleri İçin Dinamik Uygunluk-Uzaklık Dengesi Tabanlı İyileştirilmiş GBO Algoritması
	5187- Burak Kolukisa, Serdar Kalaycı, Zafer Aydın-A Transfer Learning Approach for Skin Cancer Subtype Detection



HALL PEARL	
03.10.2021 (3 <sup>rd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	<b>Session PEARL9 (Chair: Prof. Dr. Şemsettin Kılınçarslan)</b> 5181- Gençay Sevim, Yiğit Ali Üncü, Murat Canpolat-The Application of Reconstruction Algorithms with Simulation Experiments to Diagnosis Modeled Breast Tumor-like Tissues in Diffuse Optical Tomography. 5257-Ahmet Onur Aybakan, Sadettin Melenli, The Milkrun System, A Material Flow Planning and Routing Tool from Manufacturers to Subsidiary Industry Factories 4161- Burak Erkan, Melih Günay, Fırat Ataş-Room Energy Consumption Prediction with Machine Learning for Industrial Cold Storage 4165- HÜSEYİN KÜÇÜKERDEM-MAKİNE ÖĞRENMESİ MODELLERİ İLE ÖNLİSANS ÖĞRENCİLERİNİN HANGİ LİSE TÜRÜNDEN MEZUN OLDUKLARININ TAHMİN EDİLMESİ.
10.30 - 10.45	Coffee Break
10.45 - 11.45	<b>Session PEARL10</b> <b>Keynote Speak 7 (Online)</b> <a href="https://us02web.zoom.us/j/86207812172?pwd=Z016S0tBNWlieGhneDI5Qy9vTkZuQT09">https://us02web.zoom.us/j/86207812172?pwd=Z016S0tBNWlieGhneDI5Qy9vTkZuQT09</a> <b>"The Power of Data and The Things It Empowers: What have we learned in the age of Covid-19"</b> - Prof. Dr. Hüseyin Şeker ( <i>University of Birmingham, England</i> )
12.00 - 13.30	Lunch Break
13.30 - 14.30	<b>Session PEARL 11 (Chair: Assoc. Prof. Dr. Erdal Aydemir)</b> 2115- Bekir AKSOY, Fatmanur ATEŞ, Osamah Khaled Musleh SALMAN, Hamit ARMAĞAN, Emre SOYALTIN-An Example Application for Early Diagnosis of Retinal Diseases Using Deep Learning Methods 5170- Hasan Halit Tali, Ceren Çelti-Basit Doğrusal Regresyon Modeli İçin En Küçük Kareler Yöntemine Bir Yaklaşım 4158- FETHİ MUSTAFA ÇİMEN, YUSUF SÖNMEZ, MUSTAFA İLBAŞ-Saldırı Tespit Sistemlerinde Makine Öğrenim Algoritmalarının Performans Analizi 5209- Nigar Karagül, Abdullah Eroğlu, Sezai Tokat-Sürdürülebilir Ekonomik Sipariş Miktarı Modeline Eleştirel Bir Bakış
14.30 - 14.45	Coffee Break
14.45 - 15.45	<b>Session PEARL 12</b> <b>Keynote Speak 8 (Online)</b> <a href="https://us02web.zoom.us/j/81441297590?pwd=aDFJRSs3T25meXpHUmNyK2FJb0lUUT09">https://us02web.zoom.us/j/81441297590?pwd=aDFJRSs3T25meXpHUmNyK2FJb0lUUT09</a> <b>"Trends in medical decision support systems using AI techniques"</b> – Prof. Dr. Jude Hemanth ( <i>Karunya University, India</i> )

HALL ONYX	
3.10.2021 (3 <sup>rd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	Session ONYX8 (Chair: Assoc. Prof. Dr. Utku KÖSE) <a href="https://us02web.zoom.us/j/86955194516?pwd=Mndua1ZuRWpCNHpWaDdMbXINC0ITZz09">https://us02web.zoom.us/j/86955194516?pwd=Mndua1ZuRWpCNHpWaDdMbXINC0ITZz09</a>
	6297- Alper Ozpinar, Abdulrahim Mohamed-Securing and Processing Biometric Data with Homomorphic Encryption for Cloud Computing 5204- Yiğit Yüksel, Yalçın Çebi-TR-SUM: AN AUTOMATIC TEXT SUMMARIZATION TOOL FOR TURKISH 6264- Mustafa Şehriyaroğlu, Yakup Genç-Cooperative Multi-Agent Reinforcement Learning for Autonomous Cars Passing on Narrow Road 5255- Mustafa Ersoy, Sevcan Emek-Robotic Process Automation: The Newsletter Robot 6296- Hasan Ender YAZICI, Asst. Prof. Dr. Taner DANIŞMAN-Machine Learning based Cigarette Butt Detection using YOLO Framework
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session ONYX 9
	<b>Keynote Speak Hall Pearl</b>
12.00 - 13.30	Lunch Break
13:30 - 14:30	Session ONYX 10 (Chair: Assist Prof. Dr. Abdullah Orman) <a href="https://us02web.zoom.us/j/86955194516?pwd=Mndua1ZuRWpCNHpWaDdMbXINC0ITZz09">https://us02web.zoom.us/j/86955194516?pwd=Mndua1ZuRWpCNHpWaDdMbXINC0ITZz09</a>
	5175- Mualla Birgül Huban, Hamdullah Başaran, Mehmet Gürdal-Berezin number inequality for increasing operator convex function 5225- Abdulkadir Şeker, Saliha Yeşilyurt, İsmail Can Ardahan, Berfin Çınar-Prediction of Development Types from Release Notes for Automatic Versioning of OSS Projects 5251- Umut Okkan, Zeynep Beril Ersoy, Okan Fistikoglu-Optimizing the hedging rules for the dam reservoir operations by meta-heuristic algorithms 5226- BURAK YENİPİNAR, AYŞEGÜL ŞAHİN, YUSUF SÖNMEZ, CEMAL YILMAZ, HAMDİ TOLGA KAHRAMAN-Design Optimization of Induction Motor with FDB-based Archimedes Optimization Algorithm for High Power Fan and Pump Applications
14.30 - 14.45	Coffee Break
14.45 - 15.45	Session ONYX 11
	<b>Keynote Speak Hall Pearl</b>

HALL AMBER 1	
03.10.2021 (3 <sup>rd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	Session AMBER 1.9 (Chair: Assoc. Prof. Dr. İsmail Serkan Üncü) <a href="https://us02web.zoom.us/j/83829550675?pwd=TnR6WnV5azU1OG9UeGxlcjBqdEs5dz09">https://us02web.zoom.us/j/83829550675?pwd=TnR6WnV5azU1OG9UeGxlcjBqdEs5dz09</a>
	3145- Kemal AKYOL, Abdulkadir KARACI-DİYABET HASTALIĞININ ERKEN AŞAMADA TAHMİN EDİLMESİ İÇİN MAKİNE ÖĞRENME ALGORİTMALARININ PERFORMANSLARININ KARŞILAŞTIRILMASI
	6265- Furkan ALAYBEG, Uraz YAVANOĞLU-Basitleştirilmiş Mahalanobis Mesafesi ve Doğrusal Korelasyona Dayalı Öznitelik Seçimi Kullanarak Ağ Anormallik Tespiti
	5236- Engin Güzel, Mustafa Yağcı- HAREKETLİ İNSAN YÜZÜ TESPİT VE TAKİBİ YAPABİLEN İHA UYGULAMASI 5247- Merve Mesce, İpek Aktas, Mehmet Aktaş-A Novel Approach to Clustering Workflows Aiming to Minimize Centroids using K-Means Algorithm
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session AMBER 1.10
	<b>Keynote Speak Hall Pearl</b>
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session AMBER 1.11 (Chair: Assoc. Prof. Dr. Abdülkadir Karacı) <a href="https://us02web.zoom.us/j/83829550675?pwd=TnR6WnV5azU1OG9UeGxlcjBqdEs5dz09">https://us02web.zoom.us/j/83829550675?pwd=TnR6WnV5azU1OG9UeGxlcjBqdEs5dz09</a>
	5177- Uğur Güvenç, Mehmet Kenan Döşoğlu, Enes Kaymaz-Parameters Tuning of Power System Stabilizer Using Runge Kutta Algorithm
	5220- Şadi Fuat Çankaya, Tuncay Yiğit, Muhammed Maruf Öztürk-Yarasa İlhamlı Çoklu-Robot Koordinasyonu Algoritması Geliştirilmesi
	4166- Semih Sevim, Sevinç İlhan Omurca, Ekin Ekinci-Improving Accuracy of Document Image Classification Through Soft Voting Ensemble 5248- Bengi Doğan, Ceyda Oğuz, Mehmet Aktaş -Kaynak Kısıtlı Projelerin Kaynakların Çoklu Yetenekleri Göz Önünde Bulundurularak Sezgisel Methodlar ile Çizelgelendirilmesi
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session AMBER 1.12
	<b>Keynote Speak Hall Pearl</b>

HALL AMBER 2	
03.10.2021 (3 <sup>rd</sup> Day/ Continuing)	
Time	Programme Detail
9.30 - 10.30	Session AMBER 2.9 (Chair: Assist Prof. Dr. Bekir Aksoy) <a href="https://us02web.zoom.us/j/83265917708?pwd=SW9XZTBFBVjAycy9BK29ibVh4TjQ5dz09">https://us02web.zoom.us/j/83265917708?pwd=SW9XZTBFBVjAycy9BK29ibVh4TjQ5dz09</a>
	6312 - Mesut UĞURLU, Abdullah ORMAN, Murat DENER- Komşuluk Yaklaşımı ile Kablosuz Sensör Ağlarda Izgara Temelli Kümeleme Tasarımı ve Uygulaması
	6284-Hilal Hazel Cumhuriyet, Volkan Uslan, Huseyin Seker, Face Expression Recognition using Deep Learning and Cloud Computing Services
	6290-Hacer BayıroğluTuba KARAGÜL YILDIZ, Covid 19 Detection in Lung Images with Machine Learning Methods
	6292- Ercan ATAGÜN, Tunahan TİMUÇİN, Serdar BİROĞUL-Ensemble Learning with Categorical Classification for Google Apps
6291-Onurhan Celik, ;Aydin Cetin, Classification of Naval Ships with Deep Learning	
10.30 - 10.45	Coffee Break
10.45 - 11.45	Session AMBER 2.10
	<b>Keynote Speak Hall Pearl</b>
12.00 - 13.30	Lunch Break
13.30 - 14.30	Session AMBER 2.11 (Chair: Dr. Recep Çolak) <a href="https://us02web.zoom.us/j/83265917708?pwd=SW9XZTBFBVjAycy9BK29ibVh4TjQ5dz09">https://us02web.zoom.us/j/83265917708?pwd=SW9XZTBFBVjAycy9BK29ibVh4TjQ5dz09</a>
	5263- Abdullah ATÇILI, Doç.Dr.Osman ÖZKARACA, Dr.Güncel SARIMAN-NEXT WORD PREDICTION WITH DEEP LEARNING ALGORITHMS
	6310- YASIN MIRE MOHAMUD - Emergency Help Alert Android System (E-contact)
	5176- Mualla Birgül Huban, Hamdullah Başaran, Mehmet Gürdal-Some new inequalities via Berezin numbers
	5229- Ömer ÇETİN, Ali Hakan IŞIK-LSTM İLE GÜNEŞ ENERJİ SANTRALLERİNDE AYLIK ELEKTRİK ÜRETİM TAHMİNİ
5171- Resul SİLAY, Abdulkadir KARACI-Patlayıcı Etki Analizi Simülasyon Yazılımının Geliştirilmesi ve Basınç Dalgası Parametrelerinin Derin Sinir Ağı ile Tahmin Edilmesi	
14.30 - 14.45	Coffee Break
14.45 - 15.30	Session AMBER 2.12
	<b>Keynote Speak Hall Pearl</b>