



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

CONGRESS PROGRAM

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June 25-27, 2020, Turkey

SESSION 1.1. (VROOM1)		Date:	June 25, 2020
Chair: Turgut Özseven		Time (GMT+3):	10:00 am - 12:00 pm
Paper	Author (s)	Speaker	
108 - An experimental study for accurate software quality prediction using machine learning	A. Ayberk Ceran, Ö. Özgür Tanrıöver	A. Ayberk Ceran	
157 - Dinamik Parametre Değerli Yapay Arı Koloni Algoritması (DPD-YAK)	Dursun Ekmekci	Dursun Ekmekci	
182 - Düşük Maliyetli Bir Batarya Yönetim Sistemi Tasarımı Ve Gerçekleştirilmesi	Mustafa AKTAŞ, Burak BAYGÜNEŞ, Sinan KIVRAK, Barış ÇAVUŞ, Faruk SÖZEN	Barış ÇAVUŞ	
225 - Optimizasyon Problemleri İçin Geliştirilmiş Feromonal Yapay Arı Koloni (gfYAK) Algoritması	Dursun Ekmekci	Dursun Ekmekci	
227 - Security Concepts in Smart Cities	Ebru Karaturk, Emre Kocyigit	Ebru Karaturk	
28 - Sigorta Müşteri Risk Gruplarının Kümeleme Yöntemi İle Analizi	Adil Seferzade, İlkur Dönmez	Adil Seferzade	
130 - Benchmark Analysis of Jetson TX2, Jetson Nano and Raspberry PI using Deep CNN	Ahmet Ali Süzen, Burhan Duman, Emine Betül Şen	Ahmet Ali Süzen	

SESSION 1.2. (VROOM2)		Date:	June 25, 2020
Chair: Ebubekir Yaşar		Time (GMT+3):	10:00 am - 12:00 pm
Paper	Author (s)	Speaker	
147 - Cerrahi Planlamaya Simülasyon Teknikleri Nasıl Katkı Sağlar	Serhat Durusoy, Alaettin Özer	Serhat Durusoy	
145 - Comparison of Si and GaN Semiconductor Based SEPIC DC-DC Led Driver	Erdal Şehirli	Erdal Şehirli	
228 - Optimization of Waste Collection in Smart Cities with the use of Evolutionary Algorithms	Ilknur Aktemur, Kübra Erensoy, Emre Kocyigit	Ilknur Aktemur	
25 - IoT Teknolojisi Kullanan Pratik ve Güvenilir Akıllı Kapı Kilidi Tasarımı	Ayşegül KALYONCU, Metin TURAN	Ayşegül KALYONCU	
154 - Comparison of Different Machine Learning Techniques for the Cuffless Estimation of Blood Pressure using PPG Signals	Sertaç Kılıçkaya, Ayтуğ Güner, Barış Dal	Sertaç Kılıçkaya	
146 - Tarımsal Üretim ile Sera Gazı Emisyonları Arasındaki İlişkinin İncelenmesi	Gökhan Tezcan, Serdar Solak	Gökhan Tezcan	
85 - Design of Virtual Reality Browser Platform for Programming of Quantum Computers via VR Headsets	Hasan Hakan Genç, Serkan Aydın, Hasan Erdal	Hasan Hakan Genç	
95 - Dört Mekanum Tekerli Mobil Robot Platformunun Geliştirilmesi ve Güvenlik Amacıyla Kullanımı	MUSA MATLI, RAİF BAYIR	MUSA MATLI	
207 - Dinamik Tüketici Talep Yönetimi Yapabilen Blokzincir/Kripto Para Tabanlı Elektrik Piyasası İşletme Modeli	Alper Ozpınar	Alper Ozpınar	

SESSION 2.1. (VROOM1)		Date:	June 25, 2020
Chair: Turgut Ozseven		Time (GMT+3):	1:00 pm - 3:00 pm
Paper	Author (s)	Speaker	
172 - MR Spektroskopisi Sinyalleri Kullanılarak LSTM Derin Sinir Ağları İle Beyinde Sahte Tümörlerin Tespiti	Emre Dandıl, Semih Karaca	Semih Karaca	
55 - Evrişimli Sinir Ağı Mimarilerine Dayalı Türkçe Duygu Analizi	Ayтуğ Onan	Ayтуğ Onan	
74 - Üniversite Bilgi Yönetim Sistemi Servis Destek Taleplerinin Konu Modelleme Tabanlı Analizi	Ayтуğ ONAN, Adnan YALÇIN, Erdem ATİK	Ayтуğ ONAN	
215 - Ortam Sesinden İnsan Sesinin Ayırıştırılması için Filtre Geliştirilmesi	Süleyman Çeven, Raif Bayır	Süleyman Çeven	
213 - Bir Asenkron Motorun Değişken Hızlarda Mekanik Titreşim Sinyallerinin Ölçülerek Arıza Analizinin Yapılması	Süleyman Çeven, Raif Bayır	Süleyman Çeven	
214 - Çift Ters Sarkaç Sisteminde Denge Ve Konum Kontrolü İçin PID Ve LQR Kontrolcü Tasarımlarının Modellenmesi	Süleyman Çeven, Ahmet Albayrak	Süleyman Çeven	
230 - THE METHOD OF CALIBRATION COMPENSATION FOR FIBER NONLINEARITY- A REVIEW	Alaa Hamid Mohammed, Raad. M. KHALEEFAN, M. K. Hussein, Ammar Hatem AlMarzoogee	Alaa Hamid Mohammed	
226 - Severity Prediction with Machine Learning Methods	Buket Geyik, Medine Kara	Buket Geyik	
217 - Gerçek Zamanlı Lidar - Kamera Tüme, stirme Mimarisi Ve Araç Üzeri Uygulaması	Ali Demir	Ali Demir	

SESSION 2.2. (VROOM2)		Date:	June 25, 2020
Chair: Ebubekir Yasar		Time (GMT+3):	1:00 pm - 3:00 pm
Paper	Author (s)	Speaker	
117 - Particle Swarm Optimization in Swarm Robotics	Levent Türkler, L. Özlem Akkan, Taner Akkan	Levent Türkler	
161 - Göz Hareketlerinin Takibi ile Bilgisayar Kontrolü	Muhammed Mehdi MENTEŞ, Mustafa Mert GÜVEN, Şeyma Nur ÖZCAN, Mehmet Feyzi AKŞAHİN	Muhammed Mehdi MENTEŞ	
45 - Estimation of Air Temperature Values by Geographically and Altitudinal Weighted Regression	Murat Taşyürek, Mete Çelik	Murat Taşyürek	
43 - Energy Harvesting System with A Single-step Power Conversion Process Achieving Peak Efficiency of 79.1%	Rıdvan Umaz	Rıdvan Umaz	
231 - Joining Of Carbon Steel To Aluminium	Zakaria Boumerzoug, Rania Khelfa	Zakaria Boumerzoug	
234 - Using Swarm Robots in Motion Planning	Ebubekir YAŞAR	Ebubekir YAŞAR	
222 - Parallel Implementation Of The GPR Techniques For Detecting And Mapping Ancient Buildings By Using CUDA	M. Cihat MUMCU, Salih BAYAR	Salih BAYAR	
9 - Yapay Sinir Ağı Kullanılarak Anomali Tabanlı Saldırı Tespit Modeli Uygulaması	Salih Karaman, Metin Turan, Muhammed Ali Aydın	Salih Karaman	

SESSION 3.1. (VROOM1)		Date:	June 25, 2020
Chair: Turgut Ozseven		Time (GMT+3):	4:00 pm - 7:00 pm
Paper	Author (s)	Speaker	
137 - The effect of FSMM on the circular patch antenna by etching the antenna substrate with DGS method	Bülent Urul	Bülent Urul	
138 - The Effect of Different Noise Levels on The Performance of The Audio Search Algorithm	Murat Köseoğlu, Hakan Uyanık	Hakan Uyanık	
141 - The Effect of Rotor Plates on Capacitive Measurement in Capacitive Encoders	Emrehan Yavsan, Mehmet Karali, Baris Gokce, Mehmet Akif Erismis	Emrehan Yavsan	
142 - Detection and Classification of Muscle Activation in EMG Data Acquired by Myo Armband	Cengiz Tepe, Mehmet Can Demir	Mehmet Can Demir	
3 - Time-Plan Optimization with Genetic Algorithm for Regain of Energy from Train Tracks	Büşra Tural, Metin Turan	Büşra Tural	
22 - USE OF THERMAL IMAGE PROCESSING FOR MENTAL WORKLOAD ASSESSMENT	A.Hakan Yavuz, Ahmet Er	Ahmet Er	
143 - Myo Bileklik İle Gerçek Zamanlı Protez Kol Kontrolü	Cengiz Tepe, Muhammed Erdim, İlyas Eminoğlu	Muhammed Erdim	
176 - Real-Time Auditory Scene Analysis Using Continual Learning In Real Environments	Barış Bayram, Gökhan İnce	Barış Bayram	
178 - Patterning Titanium Dioxide Based Memristors Using Electron Beam Lithography	Yasemen İnce Keser, Kübra Saka Yıldırım, Dinçer Gökçen	Yasemen İnce Keser	
186 - ARgent: A Web Based Augmented Reality Framework For Dynamic Content Generation	Gökhan Kurt, Gökhan İnce	Gökhan Kurt	
187 - Covid-19 Veri Kümesinin SMOTE Tabanlı Örnekleme Yöntemi Uygulanarak Sınıflandırılması	Mustafa Yavaş, Aysun Güran, Mitat Uysal	Mustafa Yavaş	
189 - Route Tracking Performance Of Swarm Unmanned Aerial Vehicles (UAVs) With Fuzzy Logic Controller	Egemen BELGE, Rifat HACIOĞLU	Egemen BELGE	
44 - Classification of Air Quality Network based on Meteorological and Pollutant Factors	Goksu Tuysuzoglu, Derya Birant, Alp Kut, Aysegul Pala	Goksu Tuysuzoglu	
51 - Force Feedback Simulation Design for Fruit Hardness	Hakan Üstünel, Edip Serdar Güner, Murat Olcay Özcan, Bora Aslan	Hakan Üstünel	
192 - Data Acquisition Module Design For Remote Monitoring Of Uninterruptible Power Supply And Regression Models Of Battery Life	Metehan Avkıran, Vedat Gül, Savaş Şahin, İbrahim Tanağardıgil	Metehan Avkıran	
196 - Classification of EMG Finger Data Acquired with Myo Armband	Cengiz Tepe, Muhammed Erdim	Muhammed Erdim	
203 - Feature Selections For The Classification Of Webpages To Detect Phishing Attacks: A Survey	Mehmet Korkmaz, Özgür Koray Şahingöz, Banu Diri	Mehmet Korkmaz	

SESSION 3.2. (VROOM2)		Date:	June 25, 2020
Chair: Ebubekir Yasar		Time (GMT+3):	4:00 pm - 7:00 pm
Paper	Author (s)	Speaker	
52 - Artificial Neural Network-Based Adaptive PID Controller Design for Vertical Takeoff and Landing Model	Ali Egemen Taşören, Alkım Gökçen, Mehmet Uğur Soydemir, Savaş Şahin	Ali Egemen Taşören	
62 - Development of Browser Extension for HTML Web Page Content Extraction	Murat Karabulut, İslam Mayda	Murat Karabulut	
99 - EEG Based Identification System Design via LSTM Structure	Furkan Balcı, Zeki Oralhan	Furkan Balcı	
101 - Neural Network Based Inverse Modelling for Pneumatic Artificial Muscles	Cabbar Veysel Baysal	Cabbar Veysel Baysal	
23 - A Hybrid Optimization Approach to Design Optimally Tuned PID Controller for an AVR System	Busra Ozgenc, M. Sinasi Ayas, Ismail H. Altas	Busra Ozgenc	
24 - Electronic Nine-Hole Peg Test	Sabri ALTUNKAYA, Mehmet KARABACAK	Sabri ALTUNKAYA	
105 - HHO Algorithm based PID Controller Design for Aircraft Pitch Angle Control System	Davut Izci, Serdar Ekinci, Ayşen Demirören, John Hedley	Davut Izci	
114 - A Novel Sketch Recognition Model based on Convolutional Neural Networks	Abdullah Talha Kabakus	Abdullah Talha Kabakus	
116 - Frequency Domain Features of Acceleration Signals to Evaluate Fall Risk of Elderly	Sabri ALTUNKAYA	Sabri ALTUNKAYA	
123 - Microstrip Antenna for 5G Communication: Design and Performance Analysis	Bilal Tütüncü	Bilal Tütüncü	
134 - Image Acquisition with Wide-angle Camera for Sun Location Tracking	Oğuz Gora, Taner Akkan	Oğuz Gora	
26 - Sulama/İlaçlama Robotu için Nesne Tanıma Çalışmaları	Haluk Özgen, Metin Turan	Haluk Özgen	
35 - Video Duygu Analizi	Emre Arıç, Metin Turan	Emre Arıç	
135 - Classification of Hand-Drawn Basic Circuit Components Using Convolutional Neural Networks	Mihriban Günay, Murat Köseoğlu, Özal Yıldırım	Mihriban Günay	

SESSION 4.1. (VROOM1)		Date: June 26, 2020
Chair: Turgut Ozseven		Time (GMT+3): 10:00 am - 12:00 pm
Paper	Author (s)	Speaker
219 - Convolutional Neural Networks For Image-Based Digital Plant Phenotyping	Tolga Ensari, Dariel Courage Armah, Ahmet Emre Balsever, Mustafa Dağtekin	Mustafa Dağtekin
42 - An Introduction to Zero-Shot Learning: An Essential Review	Omurhan A. Soysal, Mehmet Serdar Guzel	Omurhan A. Soysal
232 - INSTAGRAM VERİLERİ İLE DUYGU ANALİZİ	Pinar KIRCI, Elanur GÜLBAK	Pinar KIRCI
233 - Analyzing Blood Donation probabilities and number of possible donors	Pinar KIRCI, Seyma AKTAS, Burcu SEVINC	Pinar KIRCI
216 - Comparison Of PI And Super-twisting Controller Optimized With SCA And PSO For Speed Control Of BLDC Motor	Özge Gülbaş, Yakup Hameş, Murat Furat	Özge Gülbaş
27 - Odometre ve UWB Algılayıcılarını Kullanan Parçacık Süzgeci ile Konumlandırma	Pınar Oğuz Ekim	Pınar Oğuz Ekim
67 - Adaptive Motion Control of Modified E. Coli	Ahmet Fatih Tabak	Ahmet Fatih Tabak
59 - Ground Penetrating Radar Data Analysis with Nonlinear Regression on Artificial Neural Network	Reyhan Yurt, Hamid Torpi	Reyhan Yurt
166 - Kapsül Ağlar ile Çok Etiketli Uydu Görüntüsü Sınıflandırma	Mücahit Topçu, Abdülkadir Dede, Süleyman Eken, Ahmet Sayar	Mücahit Topçu

SESSION 4.2. (VROOM2)		Date: June 26, 2020
Chair: Ebubekir Yasar		Time (GMT+3): 10:00 am - 12:00 pm
Paper	Author (s)	Speaker
38 - Analysis of an Image Recognition Method on Group Activities	Cemil Zalluhoğlu	Cemil Zalluhoğlu
66 - Flexible and Scalable Aggregation Behavior Method for Swarm Robots	Oğuz Mısır, Levent Gökrem	Oğuz Mısır
212 - Evaluation Of Product Development Partner Selection Process Using Multi Criteria Decision Making Approach	Sezin Güteryüz	Sezin Güteryüz
199 - Development Of A Machine Fasteners Classification System	Fatih Sultan Fırıl, Seyit Gündoğan, Bedirhan Tuncer, Ali Kalkanlı, Cenk Ulu	Ali Kalkanlı
76 - Kapasitör Dizisine Yönelik Görü Tabanlı Bir Algoritma	Barış Öz, Buse Sevim, Gözde Akpak, Sema Işık, Serhat Karakullukçu, Sinan Özen	Barış Öz
205 - ANN Based MPPT For Grid Connected Systems	Halil İbrahim TEMEL, Tolga YÜKSEL	Halil İbrahim TEMEL
158 - Imperialist Competitive Algorithm with Independence and Constrained Assimilation	Ivars Dzalbs, Tatiana Kalganova, Ian Dear	Ivars Dzalbs
177 - Effects Of Glow Data Augmentation On Face Recognition System Based On Deep Learning	Jawad Rasheed, Erdal Alimovski, Ahmad Rasheed, Yahya Sirin , Akhtar Jamil , Mirsat Yesiltepe	Jawad Rasheed
129 - 5G Millimeter Wave Communications for High Speed Trains	Berna Bulut	Berna Bulut

SESSION 4.3. (VROOM3)		Date:	June 26, 2020
Chair: Mehmet Emir Köksal		Time (GMT+3):	10:00 am - 12:00 pm
Paper	Author (s)	Speaker	
184 - Commutativity Conditions Of Heine's Differential Equation	Mehmet Emir Koksal	Mehmet Emir Koksal	
163 - A solution for optimizing the integration of AGV systems in enterprises which are using ERP systems	Iliya Draganov, Svetlana Stefanova	Iliya Draganov	
144 - BER Comparison of Coding Schemes in LowPower Regime	Ikhlas M. Farhan, Dhafer R. Zaghar, Hadeel N. Abdullah	Ikhlas M. Farhan	
48 - Importance of Big Data in Precision and Personalized Medicine	Muhammad Raza Naqvi, Muhammad Arfan Jaffar, Muhammad Aslam, Muhammad Waseem Iqbal, Syed Khuram Shahzad, Amjad Farooq	Muhammad Raza Naqvi	
47 - Study of Blockchain & Impact on Internet of Health Things(IoHT) Challenges and Opportunities	Muhammad Raza Naqvi, Muhammad Aslam, Muhammad Waseem Iqbal, Syed Khuram Shahzad, Marium Malik, Muhammad Usman Tahir	Muhammad Usman Tahir	
121 - Li-Fi: The Future Propagation of Wireless Power Transfer in Vehicular Ad Hoc Networks	B.O. Sadiq, A.A. Olaniyan, Abdullahi Abdu Ibrahim, O.S. Zakariyya	Abdullahi Abdu Ibrahim	
109 - An Adaptive Digital Fuzzy Control Scheme For Mechatronic Systems	Aurimas Zarnauskas, Leonas Balasevicius, Alma Derviniene, Gintaras Dervinis, Virginijus Baranauskas	Aurimas Zarnauskas	
164 - Prevention Of Diabetes By Devising A Prediction Analytics Model	Lindita Loku, Bekim Fetaji, Majlinda Fetaji	Bekim Fetaji	
168 - Devising a SME Model for developing Mobile m-Commerce for Small and Medium-Sized Enterprises	Majlinda Fetaji, Bekim Fetaji, Halil Snopce	Bekim Fetaji	

SESSION 5.1. (VROOM1)		Date:	June 26, 2020
Chair: Turgut Ozseven		Time (GMT+3):	2:00 pm - 4:00 pm
Paper	Author (s)	Speaker	
193 - Post-Traumatic Stress Disorder (PTSD) Management: A Machine Learning Approach	Mustafa Dağtekin, Engin Seven, Ahmet Emre Balsever, Eda Nur Var, Leyla Türker Şener, Ayşe Nilüfer Alçalar, Betül Ensari, Tolga Ensari	Tolga Ensari	
64 - ARM Based Hybrid Measurement System Design for Liquid Level Measurement with High Accuracy under Vibrating Case	Murat Artan, Mehmet Uğur Soydemir, Savaş Şahin	Murat Artan	
10 - Web Service-Based Turkish Automatic Speech Recognition Platform	Saadin Oyucu, Hüseyin Polat, Hayri Sever	Saadin Oyucu	
37 - Fuzzy Logic Application in DGA Methods to Classify Fault Type in Power Transformer	Secil Genc, Serap Karagol	Secil Genc	
94 - Automated Abnormality Classification of Chest Radiographs using MobileNetV2	Secil Genc, Kubra Nur Akpınar, Serap Karagol	Secil Genc	
208 - 4 EKSENLİ ROBOT KOLUN KİNEMATİK HESAPLARININ GERÇEK MODEL ÜZERİNDE MATLAB İLE ANALİZİ VE TESTİ	Yavuz ÇAPKAN, Can Bülent FİDAN	Yavuz ÇAPKAN	
171 - Derin Sinir Ağları Kullanarak Histopatolojik Görüntülerde Meme Kanseri Tespiti	Emre Dandıl, Zafer Serin	Zafer Serin	
200 - A Review About Radiomics With Artificial Intelligence Methods In Breast Cancer Diagnosis And Prognosis	Tuba Parlar	Tuba Parlar	
220 - Adaptive 2-D LMS Filter Embedded Edge Detection Application	Ufuk Paralı	Ufuk Paralı	
92 - An Online Recommendation System Using Deep Learning for Textile Products	Ümit Turkut, Adem Tuncer, Hüseyin Savran, Sait Yılmaz	Ümit Turkut	

SESSION 5.2. (VROOM2)		Date: June 26, 2020
Chair: Ebubekir Yasar		Time (GMT+3): 2:00 pm - 4:00 pm
Paper	Author (s)	Speaker
90 - Fuzzy Tuned PID Controller for Vibration Control of Agricultural Manipulator	Satyam Paul, Ajay Arunachalam, Davood Khodadad, Olena Rubanenko	Satyam Paul
103 - Neural networks for determining affinity functions	Valery Dmitrienko, Alexander Zakovorotniy, Sergey Leonov	Sergey Leonov
181 - Management Of Human-robot Interaction In Order To Control Of Ankle Knee During Walking	Seyed Amirhossein Mousavi, Najmeh Golkar	Seyed Amirhossein Mousavi
223 - Hand Movement detection Using Empirical Mode Decomposition And Higher Order Spectra	Seyed Amirhossein Mousavi, Fatemeh Moradianpour, Fatemeh Heidari, Seyed Mohammad Yasoubi, Seyed Ehsan Tahami, Mahdi Azarnoush	Seyed Amirhossein Mousavi
169 - HYBRID METHOD USING EDMS & GABOR FOR SHAPE AND TEXTURE	Zubaidah Ali Sahib, Osman Nuri Uçan, Mohammed Ahmed Talab, Mohanaad Shakir, Alaa Hamid Mohammed, Haneen Ali Sahib	Zubaidah Ali Sahib
107 - Performance Analyzing the Effect of Network Size on Routing Protocols in MANETs	Ahmed Shamil Mustafa, Mohamed Muthanna Al-Heeti, Mustafa Maad Hamdi, Ahmed Muhi Shantaf	Ahmed Muhi Shantaf
224 - Improving The Characteristic Of Percentage Differential Relay Of Power Transformer Using Rogowski Coil With Extended Park's Vector Approach	Ahmed Sherwani, Ali Kirçay	Ahmed Sherwani
190 - Virtual Self Defense Trainer - Analyzing And Scoring User Pose	Muhammad Haris, Aiman Khan, Syed Sameer Nadeem, Samana Batool, Basit Memon, Waqar Saleem	Muhammad Haris
75 - The Probe Into Reflection Mobile Radio Propagation	Alaa Hamid Mohammed, Ahmed Muhi Shantaf, Mohammed Khalaf	Alaa Hamid Mohammed
88 - An Optimum Design of Square Microstrip Patch Antenna Based on Fuzzy Logic Rules	Alaa Hamid Mohammed, Mustafa Maad Hamdi, Sami Abduljabbar Rashid, Ahmed Muhi Shantaf	Alaa Hamid Mohammed

SESSION 5.3. (VROOM3)		Date: June 26, 2020
Chair: Mehmet Emir Köksal		Time (GMT+3): 2:00 pm - 4:00 pm
Paper	Author (s)	Speaker
173 - Commutativity Conditions Of Lamé's Differential Equation	Mehmet Emir Koksals	Mehmet Emir Koksals
198 - Multi-Robot System Based On Swarm Intelligence For Optimal Solution Search	Ababii Victor, Sudacevschi Viorica, Braniste Rodica, Nistiriuc Ana, Munteanu Silvia, Borozan Olesca	Braniste Rodica
174 - Advanced Automation And Robotics For High Volume Labour-Intensive Manufacturing	Nai Yeen Gavin Lai, Deepesh Jayasekara, Kok Hoong Wong, Lih Jiun Yu, Hooi Siang Kang, Kulwant Pawar, Yingdan Zhu	Nai Yeen Gavin Lai
118 - Paper Review On Data Mining ,components, And Big Data	Sufyan Sabah Al-Rifai, Ali Muwafaq Shaban, Muhmmad Shihab Muayad Shihab, Ahmed Shamil Mustafa, Hussein Ali ALHALBOOSI, Ahmed Muhi Shantaf	Sufyan Sabah Al-Rifai
61 - Factors of Smart Production Processes Modernization	Simona Bukantaité	Simona Bukantaité
140 - An Image Processing Framework To Identify Rice Blast	Dr. T M Shahriar Sazzad, Ayrin Anwar, Mahiya Hasan, Md. Ismile Hossain	Dr. T M Shahriar Sazzad
136 - A Framework To Detect Brain Tumor Cells Using MRI Images	Dr. T. M. Shahriar Sazzad, Mohammad Shahjahan Majib, Dr. Md. Mahbubur Rahman	Dr. T. M. Shahriar Sazzad
19 - An ANFIS-PSO Algorithm for Predicting Four Grades of Non-Alcoholic Fatty Liver Disease	Sakineh Zeynali Goldar, Amir Rikhtegar Ghiasi, Mohammad Ali Badamchizadeh, Manouchehr Khoshbaten	Sakineh Zeynali Goldar
159 - Production of CPG pathways for lower limbs with the ability to change routes online	Seyed Mohammad Yasoubi , Yadollah Farzaneh, Javad Ghanbarian, Seyed Amirhossein Mousavi	Seyed Amirhossein Mousavi
97 - Design of Double H-Slot Microstrip Patch Triple-Band for C Band	Hussein Ali AlhalBoosi, Sefer Kurnaz, Ahmed Muhi Shantaf	Hussein Ali AlhalBoosi

SESSION 6.1. (VROOM1)		Date: June 26, 2020
Chair: Turgut Ozseven		Time (GMT+3): 5:00 pm - 7:00 pm
Paper	Author (s)	Speaker
128 - Fuzzy Cognitive Map Based PID Controller Design	Aykut Denizci, Cenk Ulu	Aykut Denizci
122 - Stabilization of Inverted Pendulum System Using Fuzzy Cognitive Map Based PD Controllers	Aykut Denizci, Cenk Ulu	Aykut Denizci
152 - Larex (Larix decidua Mill.) Odununda Modern/Klasik Yangın Geciktiricilerin Bazı Teknolojik Özellikler Üzerine Etkileri	Hatice Ulusoy, Hüseyin Peker	Hatice Ulusoy
153 - Tıbbi Aromatik Bitki Çiřiřotu (Asphodeline Taurica) Özüünün Kayın Odununda Emprenye Edilebilme Yeteneđi Ve Bazı Teknolojik Özelliklere Etkisi	Hatice Ulusoy, Hüseyin Peker	Hatice Ulusoy
131 - Sentetik Ve Dönüřtürülmüř Konuřmaların Tespitinde Genlik Ve Faz Tabanlı Spektral Özniteliklerin Kullanılması	Burak Kasapođlu, Turgay Koç	Burak Kasapođlu
179 - INDOOR NAVIGATION APPLICATION IN SCHOOLS	Volkan Karaca, Ebubekir Yařar	Volkan Karaca
188 - Gürültü Filtreleme Uygulamalarının Medikal Görüntüler Üzerindeki Performanslarının Deđerlendirilmesi	Furkan Kutan, Ömer Aynur	Furkan Kutan
41 - Cebirsel Şifrelenmiř LSB Yöntemi	Ali Karaduran, Metin Turan	Ali Karaduran
209 - Malware Detection In Android Systems With Traditional Machine Learning Models: A Survey	Esra Calik Bayazit, Ozgur Koray Sahingöz, Buket Dogan	Esra Calik Bayazit
170 - ANALYSIS OF THE CRYPTOGRAPHY METHODS FOR DESIGN OF CRYPTO-PROCESSOR	Nurettin BEŐLİ, Abdulsamad KURD	Abdulsamad KURD
81 - Real-Time Object Detection with Simultaneous Denoising using Low-Rank and Total Variation Models	Nuha H. Abdulghafoor, Hadeel N. Abdullah	Nuha H. Abdulghafoor
96 - An Overview on Quality of Service and Data Dissemination in VANETs	Sami Abduljabbar Rashid, Lukman Audah, Mustafa Maad Hamdi, Sameer Alani	Sami Abduljabbar Rashid
93 - A Review of Applications, Characteristics and Challenges in Vehicular Ad Hoc Networks (VANETs)	Mustafa Maad Hamdi, Lukman Audah, Sami Abduljabbar Rashid, Alaa Hamid Mohammed, Sameer Alani, Ahmed Shamil Mustafa	Sameer Alani

SESSION 6.2. (VROOM2)		Date: June 26, 2020
Chair: Ebubekir Yasar		Time (GMT+3): 5:00 pm - 7:00 pm
Paper	Author (s)	Speaker
148 - Anomaly Detection for Cyber-Security Based on Convolution Neural Network : A survey	Montdher Alabadi, Yuksel Celik	Montdher Alabadi
125 - Q-Learning for Securing Cyber-Physical Systems : A survey	Montdher Alabadi, Zafer Albayrak	Montdher Alabadi
29 - Smart mobile application for public transport schedules – data organization and program realization	Georgi Krastev, Valentina Voinohovska	Valentina Voinohovska
126 - Lightweight fog based solution for privacy-preserving in IoT using blockchain	Ali Alkhazaali, Oguz Ata	Ali Alkhazaali
155 - LOAD BALANCING IN HYBRID WIFI/ LIFI NETWORKS BASED ON THE RSSI OF THE LOAD USING OPTIMIZED KNN CLUSTERING	Mohammed Ahmed, Ali Alkharsan, Muhammad Ilyas	Mohammed Ahmed
221 - A REVIEW SOFTWARE DEFINED NETWORKING FOR INTERNET OF THINGS	Raad. M. KHALEEF AH, Alaa Hamid Mohammed, M. K. Hussein, Ihsan Amjad Abdulateef	Alaa Hamid Mohammed
120 - Energy Efficiency in Massive MIMO for MobileWireless Network	Ali Hameed Ahmed , Ahmed Their Al-Heety, Belal Al-Khateeb, Alaa Hamid Mohammed	Ahmed Their Al-Heety
124 - SECURE PIN AUTHENTICATION IN JAVA SMART CARD USING HONEY ENCRYPTION	Sadeq Mohammed, Sefer Kurnaz, Alaa Hamid Mohammed	Sadeq Mohammed
91 - Evaluation DSDV, AODV and OLSR routing protocols in real live by using SUMO with NS3 simulation in VANET	Ali Muwafaq Shaban, Sefer Kurnaz, Ahmed Muhi Shantaf	Ali Muwafaq Shaban
86 - Turkish Sentiment Analysis System via Ensemble Learning	Saed ALQARALEH	Saed ALQARALEH
206 - Optimal Power Flow For Iraqi Power System	Afaneen Anwer, Ali H. Almosawi, Ghazwan Alshabbani	Ghazwan Alshabbani
201 - Comparison Of Construction Robots And Traditional Methods For Drilling, Drywall, And Layout Tasks	Cynthia Brosque, Gunnar Skeie, Joakim Örn, Joel Jacobson, Tessa Lau, Martin Fischer	Cynthia Brosque
211 - Human-Robot Collaboration In Construction: Opportunities And Challenges	Cynthia Brosque, Elena Galbally, Oussama Khatib, Martin Fischer	Cynthia Brosque
102 - Control Device for Tool Magazine Drives of Vertical Machining Centers with CNC	Marin Zhilevski, Mikho Mikhov	Marin Zhilevski
160 - A Comparative Analysis on Bangla Digit Recognition with Data Augmentation and Non-Augmentation Process	Md. Abdullah Al Nasim, Refat E Ferdous, Mahim Anzum Haque Pantho, Atiqul Islam Chowdhury	Md. Abdullah Al Nasim

SESSION 7.1. (VROOM1)		Date:	June 27, 2020
Chair: Ebubekir Yasar		Time (GMT+3):	10:00 am - 12:00 pm
Paper	Author (s)	Speaker	
119 - RAYLEIGH LEISTUNGS RELATION AND RICIAN FADING CHANNELS IN QAM USING SIMULINK ENVIRONMENT	Ali Ghalib Mushref, Alaa Hamid Mohammed, Oguz Bayat	Ali Ghalib Mushref	
98 - Investigating the Performance of Pure Lateration in Indoor Environments Based On Varying Number of Access Points and Iterations	Korhan Cengiz	Korhan Cengiz	
77 - Çok Kriterli Ürün-Tabanlı İşbirlikçi Filtrelemede Ağırlıklandırma Yöntemlerini Kullanarak Tahmin Performansının Arttırılması	Emre Sadıkoğlu, Burcu Demirelli Okkaloğlu	Emre Sadıkoğlu	
156 - A Review on Diabetes Self-management Applications for Android Smartphones: Perspective of Developing Countries	Farzana Anowar, Mohsena Ashraf, Ashraful Islam, Eshtiak Ahmed, Atiqul Islam Chowdhury	Atiqul Islam Chowdhury	
63 - Medium Access Control Protocol – based Energy and Quality of Service routing scheme for WBAN	Abdullahi Abdu Ibrahim, Oguz Bayat	Abdullahi Abdu Ibrahim	
58 - Design and Implementation of An Arduino Based Smart Home	P.U. Okorie, Abdullahi Abdu Ibrahim, Dauda Auwal	P.U. Okorie	
46 - a Novel Energy-efficient threshold-based emergency dAta Transmission routing protocol for wireless body area network (NEAT)	Abdullahi Abdu Ibrahim, Ahmed Tijani Salawudeen, Osman Nuri Uçan, Patrick Ubeh Okorie	Abdullahi Abdu Ibrahim	
34 - Pattern-based Short-Term Load Forecasting using Optimized ANFIS with Cuckoo Search Algorithm	Mamunu Mustapha, Sani Salisu, Abdullahi Abdu Ibrahim, Muhammad Dikko Almustapha	Abdullahi Abdu Ibrahim	
5 - Metamaterial Based High Sensitive Milk and Liquid Sensor Application	Ibrahim Yaşar, Mehmet Bakır	Ibrahim Yaşar	
14 - Analyzing Classifier Performances Based on Implemented Expectation-Maximization Algorithm to Gaussian Mixture Model	Korhan Cengiz	Korhan Cengiz	

SESSION 7.2. (VROOM2)		Date:	June 27, 2020
Chair: Turgut Ozseven		Time (GMT+3):	10:00 am - 12:00 pm
Paper	Author (s)	Speaker	
83 - Energy Optimization Of Fog Computing And IoT Application	Ahmed Abbas, Abdullahi Abdu Ibrahim	Ahmed Abbas	
89 - Target Seeking and Obstacle Avoidance of Omni Robot in an Unknown Environment	Ruqayah R. Al-Dahhan, Mohammed Rabeaa Hashim Al-Dahhan, Mustafa H. Jebur	Ruqayah R. Al-Dahhan	
71 - A Beacon-Based Indoor Positioning System for Location Tracking of Patients in a Hospital	Georgi Shipkovenski, Teodor Kalushkov, Emiliyan Petkov, Vladislav Angelov	Teodor Kalushkov	
72 - Modern Virtual Reality Headsets	Vladislav Angelov, Emiliyan Petkov, Georgi Shipkovenski, Teodor Kalushkov	Teodor Kalushkov	
79 - Applications of Digital and Computer Technologies for Control and Motion Simulation of Electromechanical Systems	Marin Zhilevski, Nikolay Bratovanov	Marin Zhilevski	
80 - Detection of Distributed Denial of Service Attacks through a Combination of Machine Learning Algorithms over Software Defined Network Environment	Hasen AlMomin, Abdullahi Abdu Ibrahim	Hasen AlMomin	
33 - R-SIMPLE: Reliable Stable Increased-throughput Multi-hop Protocol for Link Efficiency in Wireless Body Area Networks	Mohammed Abdulrahman Al-Obaidi, Abdullahi Abdu Ibarahim	Mohammed Abdulrahman Al-Obaidi	
49 - Real-time Inferencing and Training of Artificial Neural Network for Adaptive Latency Negation in Distributed Virtual Environments	Gregory Gutmann, Akihiko Konagaya	Gregory Gutmann	
68 - Performance Evaluation of Three Mobile Ad-hoc Network Routing Protocols in Different Environments	Ahmed Muhi Shantaf, Sefer Kurnaz, Alaa Hamid Mohammed	Ahmed Muhi Shantaf	
69 - Clean medical data and predict heart disease	Mohammed Jasim A.Alkhafaji, Abbas Fadhil Aljuboori, Abdullahi Abdu Ibrahim	Mohammed Jasim A.Alkhafaji	

SESSION 8.1. (VROOM1)		Date:	June 27, 2020
Chair: Ebubekir Yasar		Time (GMT+3):	1:00 pm - 3:00 pm
Paper	Author (s)	Speaker	
39 - Gaussian Applications in Organic Structured Electronic Systems	Ebru Idman, Emrah Idman, Osman Yildirim	Osman Yildirim	
40 - Estimating Solar Power Plant Data Using Time Series Analysis Methods	Ebru Idman, Emrah Idman, Osman Yildirim	Osman Yildirim	
60 - Görüntülü Mobil İletişimde Hologram Teknolojisinin Kullanımı	Şafak Kayıkcı, Ahmet Yürekli	Ahmet Yürekli	
53 - Training Multi-Layer Perceptron Using Harris Hawks Optimization	Erdal Eker, Murat Kayri, Serdar Ekinci, Davut Izci	Erdal Eker	
54 - Improved Manta Ray Foraging Optimization Using Opposition-based Learning for Optimization Problems	Davut Izci, Serdar Ekinci, Erdal Eker, Murat Kayri	Erdal Eker	
36 - Linear Quadratic optimal control for Puma Robotics	Lafta E.J. Alkurawy	Lafta E.J. Alkurawy	
2 - A collaborative learning experience in high school mathematics	Lekë Pepkolaj, Seditë Duraj	Lekë Pepkolaj	
197 - Design and Implementation DWDM Toward Terabit for Long-Haul Transmission System	Mokhalad Isam Mousa, Galip Cansever, Thanaa H. Abd	Mokhalad Isam Mousa	
180 - Tracking Control Of An Omni-Directional Mobile Robot	Mohamad Reza Haghjoo, Vahid Fakhari, Mohamad Albaker Kawtharani	Mohamad Albaker Kawtharani	
229 - IMPROVING THE EFFICIENCY OF SOLAR PHOTOVOLTAIC POWER GENERATION USING IMPROVED MPPT METHOD	Mohammed Fouad Kareem, Sefer Kurnaz	Mohammed Fouad Kareem	
82 - Design of High Precision Radix-8 MAF Unit with Reduced Latency	Bayadir A. Issa, Israa Sabri A. AL-Forati, Mohammed A. Al-Ibadi, Hayder M. Amer, Abdulmuttalib Turkey Rashid, Osama T. Rashid	Mohammed A. Al-Ibadi	