



# 4<sup>th</sup> International Symposium on Multidisciplinary Studies and Innovative Technologies

SYMPOSIUM PROGRAM

[www.ismsitconf.org](http://www.ismsitconf.org)

October 22-24, 2020, Turkey

<b>SESSION 1.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 10:30 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
292 - Simulation of online relative concentration measurements in chemical processes using Brownian motion and image processing	Ahmet Cezayirli	Ahmet Cezayirli	
26 - Independent Joint Control Simulations on Adaptive Maneuvering of a Magnetotactic Bacterium via a Single Permanent Magnet	Ahmet Fatih Tabak	Ahmet Fatih Tabak	
65 - OHS 4.0 Approach And Use Case Of Indoor Positioning Systems	Ahmet Tasdelen, Alper Ozpinar	Ahmet Tasdelen	
67 - The Impacts Of Mental And Physical Fatigue Of Employees On The Perception Level And The Risk Of Accident	Ahmet Tasdelen, Alper Ozpinar	Ahmet Tasdelen	
294 - Churn Prediction with Sequential Data Using Long Short Term Memory	AHMET TUĞRUL BAYRAK, ASMİN ALEV AKTAŞ, ORKUN SUSUZ, OKAN TUNALI, NEŞE ABBAK	AHMET TUĞRUL BAYRAK	
195 - Akciğer ve Prostat Kanseri için İlaç Yeniden Konumlandırmanın Uygulanması	Ali Cüvitoğlu, Zerrin Işık	Ali Cüvitoğlu	

<b>SESSION 2.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
155 - Discerning COVID-19 from mycoplasma and viral pneumonia on CT images via deep learning	Sertan Serte, Ali Serener	Ali Serener	
156 - Deep learning for mycoplasma pneumonia discrimination from pneumonias like COVID-19	Ali Serener, Sertan Serte	Ali Serener	
238 - Genetic Algorithm Optimization in LQR Controller Design for Inverted Pendulum System	Mehmet Tayyip Özdemir, Muhammet Mevlüt Karaca, Ali Tahir Kardeşahin	Ali Tahir Kardeşahin	
123 - Printed Circuit Board Rapid Prototyping with Three-Dimensional Printer	Ali Toprak, Ali Rifat Boynuegri	Ali Toprak	
108 - Experimental Investigation of Flexural Behavior of Metal-Glass fiber/Epoxy/MWCNT	Berkant Dindar	Berkant Dindar	
74 - U-Net ile Çekirdek Segmentasyonunda Hiper Parametre Optimizasyonu Etkisinin Değerlendirilmesi	Furkan ATLAN, Emrah HANÇER, İhsan PENÇE	Furkan ATLAN	
120 - Predicting the physical parameters of interplanetary shock waves using Artificial Neural Networks trained on NASA's ACE and WIND spacecrafts	Gani Caglar Coban, Abd-ur Raheem, Huseyin Cavus	Gani Caglar Coban	

<b>SESSION 2.2. (VROOM2)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
137 - ENERGY OPTIMIZATION IN WSN ROUTING BY USING THE K-MEANS CLUSTERING ALGORITHM AND ANT COLONY ALGORITHM	ABDULLAH AL-KHAYYAT, Abdullahi Ibrahim	ABDULLAH AL-KHAYYAT	
136 - ROBOT PATHPLANNING BY IMAGE SEGMENTATION USING THE FUZZY C-MEANS ALGORITHM AND KNN ALGORITHM	ABDULRAHMAN AL-KHAYYAT, Abdullahi Ibrahim	ABDULRAHMAN AL-KHAYYAT	
71 - A LIGHTWEIGHT IMAGE ENCRYPTION AND BLOWFISH DECRYPTION FOR THE SECURE INTERNET OF THINGS	Mohanad Jalal Saddam, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed	Mohanad Jalal Saddam	
76 - A Smart Virtual Assistant Answering Questions About COVID-19	Yusuf Uğurlu, Murat Karabulut, İslam Mayda	İslam Mayda	
308 - Web Based Algorithm Exercise and Assessment Management System for Computer Programming Students: AlgoBug	Murat Karabulut, İslam Mayda	İslam Mayda	
112 - Rose Diseases Recognition using MobileNet	Aditya Rajbongshi, Toma Sarker, Md. Meraj Ahamad, Md. Mahbubur Rahman	Aditya Rajbongshi	
97 - Low Level Laser Therapy and It's Effects on Different Musculoskeletal Conditions	Adnan Afzal, Muhammad Hanif Ramlee	Adnan Afzal	

<b>SESSION 3.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
331 - Improved Genetic Algorithm and Mobile Application for an Up-to-date Traveling Salesman Problem	Muhammet Tayyip Muslu, Yunus Doğan	Yunus Doğan	
332 - A Novel Agriculture Tracking System Using Data Mining Approaches	Asena Gökçe Albay, Yunus Doğan	Yunus Doğan	
270 - PRM ALGORİTMASININ KARARLI HALE GETİRİLMESİ	M. ESAT DERE, AKİF DURDU	M. ESAT DERE	
114 - Hydra: detecting fraud in financial transactions via graph based representation and visual analysis	Yusuf Sait Canbaz, Uğur Doğrusöz, Mehmet Çeliksoy, Fatma Güngör, Koray Kurban	Yusuf Sait Canbaz	
36 - IMAGE FILTER WITH LOGISTIC FUNCTIONS	Yasemin YAMAK, Mahmut KILIÇASLAN, Recep DEMİRCİ	Yasemin YAMAK	
298 - The Effect of Atmospheric Boundary Layer Stratification on the Facade Temperature	Yiğit Altan	Yiğit Altan	
207 - Design and Performance Analysis of Split Ring Resonator Based Microstrip Antenna With Defected Ground Structure	Umut Köse, Aktül Kavas	Umut Köse	

<b>SESSION 3.2. (VROOM2)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
324 - SCHEDULING DATA ALLOCATION IN PACKET BASED WIRELESS COMMUNICATION SYSTEM USING DATA MINING	Ali Abbas AL-shukrawi, Mohammed Thakir Mahmood, Abdullahi Abdu Ibrahim	Ali Abbas AL-shukrawi	
135 - FINGERPRINT RECOGNITION BY USING CONVOLUTIONAL NEURLA NETWORK AND SUPPORT VECTOR MACHINE CLASSIFICATION	Ali AL -SAEDI, Abdullahi Ibrahim	Ali AL -SAEDI	
82 - A Comparative Investigation of the Mechanical Properties of Mild Steel Rods Produced by two Local Steel Manufacturers in Nigeria	Muazu Aliyu Baba, Isa Aliyu Yola, Ali Evcil, Mahmut A. Savas	Muazu Aliyu Baba	
213 - Improving scheduling Function for IEEE802.15.4e Time Slotted Channel Hopping for Wireless Sensor Networks	Mohammed Al-lami, Muhammad Ilyas	Mohammed Al-lami	
154 - Development and Verification of Three-Dimensional Model of Human Foot for Badminton Insole Analysis: A Finite Element Study	Amir Mustakim Ab Rashid, Kahar Osman, Mohammed Rafiq Abdul Kadir, Muhammad Hanif Ramlee	Amir Mustakim Ab Rashid	
53 - Design a Bidirectional DC/DC Converter for Second-Level Electric Vehicle Bidirectional Charger	Ammar Hatem AlMarzoozee, Alaa Hamid Mohammed	Ammar Hatem AlMarzoozee	
183 - HUMAN BIOMETRICS DETECTION AND RECOGNITION SYSTEM USING SVM AND GENETIC ALGORITHM IRIS AS AN EXAMPLE	Anafal Al-zanganawi, Sefer Kurnaz	Anafal Al-zanganawi	

<b>SESSION 3.3. (VROOM4)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
187 - Web Accessibility of e-Government Portals and Ministry Websites of the Cyprus Island	Umit Ilhan, Erkut Inan Iseri, Kaan Uyar	Umit Ilhan	
182 - Image inpainting based Compact Hash Code Learning using Modified U-Net	Şaban Öztürk	Şaban Öztürk	
249 - İki Linkli Robot Manipülâtörün Modellenmesi ve Bozucu Etki Altında Yörünge Kontrolü	Sinan İlgen, Akif Durdu, Erdi Gülbahçe, Abdullah Çakan	Sinan İlgen	
198 - Methodology for Risk Assessment based on Grey Relational Analysis: A Case Study in the Automotive Industry	Serap Akcan, Meral Güldeş	Serap Akcan	
200 - The Process Improvement Studies to Increase the Productivity in a Printed Fabric Production Facility	Ezgi Çayır, Serap Akcan	Serap Akcan	

<b>SESSION 4.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
99 - INTRUSION DETECTION SYSTEM IN IOT NETWORK USING MACHINE LEARNING	Abdulrahman Alrahman, Abdullahi Ibrahim	Abdulrahman Alrahman	
25 - IMPLEMENTATION A VARIOUS TYPES OF MACHINE LEARNING APPROACHES FOR BIOMEDICAL DATASETS BASED ON SICKLE CELL DISORDER	Hamid Falah Dheyab, Osman Nuri Ucan, Mohammed Khalaf, Alaa Hamid Mohammed	Hamid Falah Dheyab	
14 - Home Automation System And Methods(Control system in lighting and devices) in fuel supply station	MOHAMMED HAYIL	MOHAMMED HAYIL	
34 - An Overview on Binary and Non-Binary Codes and Challenges in low Parity-Check -Density	Hussain Falih Mahdi, Mustafa Maad Hamdi, Mohammed Salah Abood, Aymen Jalil Abdulelah, Ruaa Qahtan Mohammed, Alaa Hamid Mohammed	Hussain Falih Mahdi	
95 - PREDICTING BREAST CANCER IN FINE NEEDLE ASPIRATION IMAGES USING MACHINE LEARNING	Luay Al-sammarraie, Abdullahi Ibrahim	Luay Al-sammarraie	
164 - Fuzzy Logic Controller to control the position of a mobile robot that follows a track on the floor	Mohammed Salah Abood, Isam Kareem Thajeel, Emad M. Alsaedi, Mustafa Maad Hamdi, Ahmed Shamil Mustafa, Sami Abduljabbar Rashid	Mohammed Salah Abood	

<b>SESSION 4.2. (VROOM2)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
216 - Smart City IoT System - CollectMyWaste	Vladyslav Kalyuzhnyy, Mónica Costa, Pedro Silva	Vladyslav Kalyuzhnyy	
103 - Design of a Mobile Augmented Reality-based Indoor Navigation System	Woan Ning Lim, Xin Hui Ng	Xin Hui Ng	
226 - Hand Movment Pattern Recognition Based on Convolutional Neural Network And AlexNet Artichecture	Fatemeh Heidari, Seyed Amirhossein Mousavi, Mitra Etemadi	Seyed Amirhossein Mousavi	
68 - INTERNET OF THINGS And CLOUD COMPUTING - A REVIEW	Mohammed Yousif Taha, Sefer Kurnaz, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed, Saeed Ahmed Raheem, Hayder Makkee Namaa	Mohammed Yousif Taha	
254 - Heart Rate Variability Response on Autism Spectrum Disorder and Typical Development Children	Muhammad Syukri Mohd, Noor Aimie-Salleh, Abdul Hadi Abdul Wahab, Mariaulpa Sahalan, Umar Mahfudz Md Ashari	Umar Mahfudz Md Ashari	
201 - A Model-based approach to assist Android Activity Lifecycle Development	Timothy Ghanem, Samer Zein	Timothy Ghanem	
304 - IoT based animal monitoring system	Todor Todorov, Juri Stoinov	Todor Todorov	

<b>SESSION 4.3. (VROOM4)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
275 - Proportional-Integral Sliding Mode Controller Design for a Fin Actuation Mechanism	Kunter Cagal, Metin U. Salamci, Fatih Cevik	Kunter Cagal	
255 - Design and Control of an Unmanned Underwater Vehicle	Kursad Metehan Gul, Cengizhan Kaya, Aleyna Bektas, Zafer Bingul	Kursad Metehan Gul	
248 - Automated Student Attendance System Using Face Recognition	Ebubekir Omer Akay, Kansu Oguz Canbek, Yesim Oniz	Kansu Oguz Canbek	
115 - Glove Design Assistant With Hearing and Speech Difficulties	Firat Orhanbulucu, Reyhan Zengin, Ferhat Kurt, Kemal Karadeniz, Mustafa Emre Ergüleç	Kemal Karadeniz	
152 - Classification of Diabetes Dataset with Data Mining Techniques by Using WEKA Approach	Kezban Alpan, Galip Savaş İlgi	Kezban Alpan	

<b>SESSION 5.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
211 - Fuzzy Rule-Based System for Predicting Daily Case in COVID-19 Outbreak	Pinar Cihan	Pinar Cihan	
288 - Blockchain-Based Data Security in Military Autonomous Systems	Pelin Angin	Pelin Angin	
242 - Effect of processing conditions on the electrospinning behavior of polyvinylpyrrolidone with lower toxicity solvents	Nurcan ŞENOL, Şerife AKKOYUN	Nurcan ŞENOL	
241 - Vector Control of Permanent Magnet Synchronous Motor by a Two-Level SPWM Inverter	Oğuz Tahmaz, Melih Nafi Ekim, Ali Bekir Yıldız	Oğuz Tahmaz	
264 - COLLABORATIVE PREFERENCE LEARNING: A CASE STUDY	OKAN TUNALI, AHMET TUĞRUL BAYRAK	OKAN TUNALI	

<b>SESSION 5.2. (VROOM2)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
339 - A Matlab/Simulink® Dynamic model of a pneumatic piston and system for industrial application	Tamás Szakács	Tamás Szakács	
225 - GGCS: A Greedy Graph-Based Character Segmentation System for Bangladeshi License Plate	Rashik Rahman, Tanmoy Sarkar Pias, Tanjina Helaly	Tanjina Helaly	
145 - A Study of Jojoba Oil Extraction Based on a Fuzzy Logic Model	Filiz Al-Shanableh, Metin Bilin, Ali Evcil, Mahmut A. Savas	Filiz Al-Shanableh	
221 - Classification of VPN Network Traffic Flow Using Time Related Features on Apache Spark	Salma Abdullah Aswad, Emrullah Sonuç	Salma Abdullah Aswad	
51 - Combined Beamforming-Waveform Design using Mid-Band Frequencies for 5G and Beyond Networks	Mustafa Aljumaily, Ahmed Hammoodi, Lukman Audah, Husheng Li, Farooq Shawqi	Mustafa Aljumaily	
227 - Deep Learning-Based Bangladeshi License Plate Recognition System	Md. Mesbah Sarif, Tanmoy Sarkar Pias, Tanjina Helaly, Md. Sohel Rana Tutul, Md. Nymur Rahman	Tanmoy Sarkar Pias	

<b>SESSION 5.3. (VROOM3)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: M.Emir Köksal</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
138 - SYNOPSIS ON STUDY OF EXTENDED MOBILITY MANAGEMENT OF 5G NETWORK USING MILLIMETRE WAVE COMMUNICATION	MUSTAFA ADNNA ABED, SEFER KURNAZ, ALAA HAMID MOHAMMED	MUSTAFA ADNNA ABED	
62 - Evaluate the DSR and OLSR Routing Protocols in different scenarios under NS3 and SUMO Using the NETEDITOR in VANETs	Muhmmad Shihab Muayad, Abdullahi Abdu Ibrahim, Ahmed Muhi Shantaf	Muhmmad Shihab Muayad	
161 - Quality Assurance of Banking Sector Services through Multi-criteria Decision Theory	Munjurina Azam, Khadeja Akter, Md. Golam Rabiul Alam	Munjurina Azam	
214 - Preliminary design of a novel kinematic forearm model for pro/supination motion	Matthew Araz, Behzat Bahadır Kentel	Matthew Araz	
127 - A Deep learning model for image retargetting level detection	Hamidullah Nazari, Devrim Akgün	Hamidullah Nazari	
231 - Emotion Detection of Contextual Text using Deep learning	Umar Rashid, M. Waseem Iqbal, M. Akmal Skiandar, M. Qasim Raiz, M. Raza Naqvi, Syed Khuram Shahzad	Muhammad Qasim Raiz	
232 - Need for Computational and Psycho-linguistics Models in Natural Language Processing for Web Documents	Muhammad Raza Naqvi, Syed Khuram Shahzad, M. Waseem Iqbal, Muhammad Ahmed, M. Usman Tahir, Babar Ayub Khan	Muhammad Raza Naqvi	

<b>SESSION 5.4. (VROOM4)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
173 - Blok Zinciri ile Yeni Nesil Dağıtık Defter Teknolojilerinin Karşılaştırılması	Emre Şafak, Çağlar Arslan, Mesut Gözütok	Emre ŞAFAK	
174 - Covid-19 Salgınıyla Beklenen Değişimlere Blok Zinciri Teknolojisinin Etkileri	Emre Şafak, Çağlar Arslan, Mesut Gözütok	Emre Şafak	
259 - Gender and Interest Area Analysis on Twitter using Machine Learning Algorithms	Enes GÜNÇE, Aydın CARUS	Enes GÜNÇE	
175 - BLDC Speed Control by Bidirectional Battery Charger with SEPIC MPPT	Erdal ŞEHİRLİ, Yücel ÇETİNCEVİZ	Erdal ŞEHİRLİ	
106 - Trapez Yutucu Plaklı Bir Havalı Güneş Kollektörünün Deneysel Tasarımı ve Sayısal Analizi	Erdem ALIÇ, Mehmet DAŞ	Erdem ALIÇ	
113 - Pace Regresyon Algoritması İle Kaynama Isı Transferinde Isı Akısının Modellenmesi	Erdem ALIÇ, Mehmet DAŞ	Erdem ALIÇ	
327 - Otonom Araçların Otomotiv Sektörüne Etkileri ve Beraberinde Getirdiği Yenilikler	Erkut YİĞİT, A.Erdem ÖNER, Orçun YÖNTEM	Erkut YİĞİT	

<b>SESSION 6.1. (VROOM1)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>07:30 pm - 09:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
236 - Single-Mode Diode Pumped Broadly Tunable Cr:ZnSe Laser	ERSEN BEYATLI	ERSEN BEYATLI	
291 - Rasch-based Assessment for Innovative Education Systems	Elif Dülger	Elif Dülger	
297 - Big Data Technology in Today's Education Systems: Learning Analytics	Elif Dülger	Elif Dülger	
233 - Edas ve Codas Yöntemiyle İstanbul İlinin Dış Ticaret Kapasitesinin İncelenmesi	Ecenur Alioğulları, Fatih Tüysüz	Ecenur Alioğulları	
196 - Thermal Transition and Mechanical Properties of Magnetite and Wollastonite Filled Rigid Polyurethane Foams	Doğan Berkay ALTINEL, Meral AKKOYUN	Doğan Berkay ALTINEL	
289 - Development of Edge-IoMT Computing Architecture for Smart Healthcare Monitoring Platform	Cinay Dilibal	Cinay Dilibal	

<b>SESSION 6.2. (VROOM2)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>07:30 pm - 09:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
202 - TrustedID: An Identity Management System based on OpenID Connect Protocol	Busra Ozdenizci Kose, Onur Buk, Hacı Ali Mantar, Vedat Coskun	Busra Ozdenizci Kose	
204 - Development of a SIM Card based Key Management System	Busra Ozdenizci Kose, Cem Cevikbas, Hacı Ali Mantar, Vedat Coskun	Busra Ozdenizci Kose	
90 - Supervisory Controller Design for Reactive Power Compensation	Ayetül GELEN, Gökhan GELEN, Aykut BIÇAK	Aykut BIÇAK	
247 - 2.4 / 5 GHz WLAN 4x4 MIMO Dual Band Antenna Box Design for Smart White Good Applications	Cem Göçen, İsmail Akdağ, Merih Palandöken, Adnan Kaya	Cem Göçen	
212 - Relaxation rates of alcohol-water mixtures in 1H NMR	Cengiz OKAY	Cengiz OKAY	
340 - Bir Tartım Otomasyonunda, Platform Tipi Yük Hücrelerinin, S-tipi Olarak Kullanılması	Ebubekir Yaşar	Ebubekir Yaşar	
237 - Sağlık 4.0'da Mahremiyet ve Güvenlik Sorunları	Burak Cem Kara, Can Eyüpoğlu	Burak Cem Kara	

<b>SESSION 6.3. (VROOM4)</b>		<b>Date:</b>	<b>October 22, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>07:30 pm - 09:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
269 - Analysis and Evaluation of Multicast Video Streaming Over IEEE 802.11n/ac	Berna Bulut Cebecioglu	Berna Bulut Cebecioglu	
83 - Metamaterial Biosensor for ISM Band Biomedical Applications	Bilal Tütüncü	Bilal Tütüncü	
169 - Processing and Characterization of Sepiolite Clay Containing Composites for Organic Brake Pad Application	Bora ORAL, Şerife AKKOYUN	Bora ORAL	
3 - Study of Helical Antenna as a Bone Fracture Sensor	Serap Kiriş, Ayşe İncesu, Muharrem Karaaslan, Oğuzhan Akgöl, Emin Ünal	Ayşe İncesu	
240 - Ses Telleri Görüntülerinde Otomatik Piksel Tabanlı Sınıflandırma için Performans Ölçütlerinin İncelenmesi	AYŞENUR YILMAZ, YAŞAR SAİD DİRDİMAN, TURGAY KOÇ	AYŞENUR YILMAZ	
312 - Performance of Metaheuristic Optimization Algorithms based on Swarm Intelligence in Attitude and Altitude Control of Unmanned Aerial Vehicle for Path Following	Aytaç Altan	Aytaç Altan	

<b>SESSION 7.1. (VROOM2)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 11:00 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
322 - Efficient Energy Management in Smart Homes using IOT-based Low-Power Wide-Area Network (LoRaWAN) Protocol	Bushra Fuaad Khmas, Ammar Falah Aljawahery, Abdullahi Abdu Ibrahim	Bushra Fuaad Khmas	
293 - Classification of Protein Structures by Making Fuzzy-Rough Feature Selection	Georgina Mirceva, Andreja Naumoski, Andrea Kulakov	Georgina Mirceva	
192 - Thunderbird Add-On "SmartMail" for More Convenient E-Mail Writing	Eicke Godehardt, Victoria Chaikovska, Yasemin Er, Hendrik Pfaf, Thomas Gabel	Eicke Godehardt	
197 - DETECTION OF FACIAL FEATURES USING STATISTICAL MACHINE LEARNING	Melak Nassrullah, Abdullahi Ibrahim	MELAK NASSRULLAH	
316 - Mathematical Model for Clinical Decision Support System Using Genetic Algorithm	Zhenisgul Rakhmetullina, Roza Mukasheva, Raushan Mukhamedova, Elvira Aitmukhanbetova	Elvira Aitmukhanbetova	
190 - An Algorithm for Constructing Equations of Geometry Fractals Based on Theories of R-functions	Shahzoda Anarova, Zulaykho Ibrokhimova, Golib Berdiev	Golib Berdiev	
24 - A Review of PAPR Reduction Techniques for UPMC Waveform	Farooq Sijal Shawqi, Lukman Audah, Ahmed Talaat Hammodi, Mustafa Maad Hamdi, Alaa Hamid Mohammed	Farooq Sijal Shawqi	
30 - An Overview of OFDM-UWB 60 GHZ System in High Order Modulation Schemes	Farooq Sijal Shawqi, Lukman Audah, Mustafa Maad Hamdi, Ahmed Talaat Hammodi, Yassin Salih Fayyad, Alaa Hamid Mohammed	Farooq Sijal Shawqi	

<b>SESSION 8.1. (VROOM1)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
177 - A Study of Static and Dynamic Significance Weighting Multipliers on the Pearson Correlation for Collaborative Filtering	Savaş Okyay, Sercan Aygün	Sercan Aygün	
193 - HPT Türevi UV Absorblayıcıların PET İplik ve Kumaşların UV Dayanımı Üzerine Etkilerinin İncelenmesi	Serpil KORAL KOÇ, Nimet DOĞMUŞ YILMAZ	Serpil KORAL KOÇ	
276 - Identification of Aras Birds with Convolutional Neural Networks	SEDA BAYAT, GULTEKIN ISIK	SEDA BAYAT	
325 - Isotropic and Directional DOA Estimation of the Target by UAV Swarm-based 3-D Antenna Array	Fesih Keskin, Tansu Filik	Fesih Keskin	
162 - A Blockchain Based Land Registration System Proposal for Turkey	Arif Furkan Mendi, Kadir Kaan Sakaklı, Alper Çabuk	Arif Furkan Mendi	
158 - An Application of Slime Mould Algorithm for Optimizing Parameters of Power System Stabilizer	Serdar Ekinci, Davut Izci, H. Lale Zeynelgil, Sedat Orenc	Sedat Orenc	
159 - Improved Artificial Electric Field Algorithm Using Nelder-Mead Simplex Method for Optimization Problems	Davut Izci, Serdar Ekinci, Sedat Orenc, Ayşen Demirören	Sedat Orenc	
302 - Modelling Solar Power Generation in Europe Using Support Vector Regression	Ezgi Deniz Ülker, Sadık Ülker	Sadık Ülker	

<b>SESSION 8.2. (VROOM2)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
86 - NETWORK OF LOW ENERGY ADAPTIVE CLUSTERING PROTOCOLS	Haneen Ali Sahib, Sefer Kurnaz, Alaa Hamid Mohammed, Zubaidah Ali Sahib	Haneen Ali Sahib	
15 - Line Follower Robot Arduino (using robot to control Patient bed who was infected with Covid-19 Virus)	HANEEN HADI	HANEEN HADI	
251 - Factoid Question Answering over Bangla Comprehension	Md. Asiful Haque, Shamima Sultana, Md. Jayedul Islam, Md. Ashraful Islam, Jesan Ahammed Ovi	Md. Asiful Haque	
203 - The Impact of Collaborative Research: A Case Study in a Developing Country	Mohammad Al-Abbas, Samer Saab	Mohammad Al-Abbas	
250 - DESIGN AND DEVELOPMENT OF INTERCONNECTED RENEWABLE ENERGY SOURCES FOCUSED ON GRID POWER INVERTER ENERGY FOR SUSTAINABLE DEVELOPMENT A REVIEW	Hayder Makkee Namaa, Saeed Ahmed Raheem, Mohammed Yousif Taha, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed	Hayder Makkee Namaa	
75 - Optimal EMG Feature Selection for Classification of Normal and Post-Stroke from Hand-Reaching Movement	I Ketut Purnawan, Adhi Wibawa, Rizal Rahmadani, Mauridhi Purnomo	I Ketut Purnawan	
133 - Adaptive Cruise Control: Scenario Modeling And Control Performance Improvement	Ioanis Mitro, Konstantinos Pipis, Dimitrios Bargiotas	Ioanis Mitro	



<b>SESSION 9.1. (VROOM1)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
258 - Real Time Sentiment Analysis of Tweets about Football Matches	Rıza KORKUSUZ, AYDIN CARUS	Rıza KORKUSUZ	
157 - Kesir-mertebeli kayma kipli bulanık kontrolör tasarımı	Osman Eray	Osman Eray	
287 - Application of Unsupervised Clustering Approaches in Customer Segmentation	Asmin Alev Aktaş, Ahmet Tuğrul Bayrak, Okan Tunalı, Orkun Susuz, Neşe Abbak	Asmin Alev Aktaş	
218 - The Digital Twin Revolution in Healthcare	Tolga Erol, Arif Furkan Mendi, Dilara Doğan	Arif Furkan Mendi	
243 - Digital Transformation Revolution with Digital Twin Technology	Arif Furkan Mendi, Tolga Erol, Dilara Doğan	Arif Furkan Mendi	
37 - Quantifying Brain Activity State: EEG analysis of Background Music in A Serious Game on Attention of Children	Ömer Soysal, Fettah Kiran, Jianhua Chen	Ömer Soysal	
267 - Non-Contact Total Hemoglobin Estimation Using a Deep Learning Model	Özge Taylan Moral, Ufuk Bal	Özge Taylan Moral	
260 - Fabrication of Simple and Low-cost Droplet Generator by Xurography Method	Öznur Mete, Özgür Gül	Öznur Mete	

<b>SESSION 10.1. (VROOM3)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: M.Emir Köksal</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
43 - Machine Learning and Statistical Analysis applied on Mechanical Engineering CAD course: A case study during ERTE phase in the context of Higher Education	Zoe Kanetaki, Constantinos Stergiou, Georgios Mpekas, Eleni Kanetaki	Zoe Kanetaki	
320 - Potassium Ferricyanide electrochemically detected by Differential Pulse and Square Wave Voltammetry in a Competition using Gradient Boosting as Machine Learning Algorithm	Nemah Shama, Mehmet Özsöz, Suleyman Asir, Kamil Dimililer	Nemah Shama	
100 - PREDICTING COVID-19 TRAJECTORY USING MACHINE LEARNING	ZAINAB ALWAELI, Abdullahi Ibrahim	ZAINAB ALWAELI	
336 - Securing 5G Network using low power wireless personal area network	Zaid Ali AL-sarray, Mohammed Thakir Mahmood, Abdullahi Abdu Ibrahim	Zaid Ali AL-sarray	
317 - Mathematical Model of Curriculum Development Taking into Account Individual Preferences of Students	Zheniskul Zhantassova, Zhenisgul Rakhmetullina, Roza Mukasheva, Zhanat Seitakhmetova	Zhanat Seitakhmetova	
9 - Simultaneous Localization and Mapping with Basic Cognitive Understanding of Environments	Yoon Ket Lee, Kok Seng Eu, Cheong Weng Choy	Yoon Ket Lee	

<b>SESSION 10.2. (VROOM4)</b>		<b>Date:</b>	<b>October 23, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
144 - Microstrip Antenna Design for Microwave Imaging Systems	Mustafa MUTLU, Çetin KURNAZ	Mustafa MUTLU	
151 - Analysis of Communication Time Delayed Automatic Generation Control via SMA with 2 DOF PIλDμ Controller for Interconnected Power System	Mustafa Saka, İbrahim Eke, M. Cengiz Taplamacıoğlu	Mustafa Saka	
109 - H <sup>∞</sup> Optimal Control of DTMB 5415 Combatant Roll Motion with Active Fins	Mustafa Taskin, Rahmi Guclu, A.Oguzhan Ahan	Mustafa Taskin	
122 - Classification of electrocardiogram (ECG) data using deep learning methods	Fatma Bozyiğit, Murat Şahin, Fatih Erdemir, Deniz Kılınc	Murat Şahin	
341 - Veri Madencilğinde Karar Ağacı Algoritması ile İş Kazaları Üzerine Demir Çelik Fabrikalarında Bir Uygulama	Neslihan Köse, Filiz Ersöz	Neslihan Köse	
48 - Türkiye'deki Jeotermal Enerjinin Birincil Enerji Arzı Yönünden Değerlendirilmesi	Melis Alpaslan Takan, Süheyla Yerel Kandemir	Melis Alpaslan Takan	
181 - Identity Management approach in internet of things (IoT)	Muhammad Ilyas, Mahdi Alsaadi	Muhammad Ilyas	

<b>SESSION 11.1. (VROOM1)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 10:30 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
172 - Internet of Things based Predictive Mechanical Fault Detection System	Muhammed Kurtulus, Fatih Irgi, Mustafa Namdar, Arif Basgumus, Ragip Temirtas	Muhammed Kurtulus	
295 - Approach for Accelerating Image Enhancement Processes: Optimized OpenCL Architecture	Menduh Furkan ASLAN, Tuna GÖKSU	Menduh Furkan ASLAN	
171 - The Effect of Interference Limited Area Method on the Total Data Rate in Device-to-Device Communication	Meryem Taser, Mustafa Namdar, Arif Basgumus	Meryem Taser	
107 - TRIANGLE METAMATERIAL BASED ENERGY HARVESTER DESIGN FOR 5G FREQUENCY	Bulent Urul	Bulent Urul	
126 - Fuzzy System for the Evaluation Quality of Products	Metin Bilin, Rahib Abiyev	Metin Bilin	
131 - Potential of Jojoba Agriculture in Mesarya Plain of Cyprus Island	Metin Bilin, Filiz Al-Shanableh, Ali Evcil, Mahmut A. Savas	Metin Bilin	
79 - Classification of Hand-Drawn Circuit Components by Considering the Analysis of Current Methods	Mihriban Günay, Murat Köseoğlu	Mihriban Günay	

<b>SESSION 11.2. (VROOM2)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 10:30 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
222 - A Survey of Smart Buildings and Homes using Low-Power Wide-Area Network (LoRa WAN)	Atheel Sabih Shaker	Atheel Sabih Shaker	
110 - hActNET: An Improved Neural Network based Method in Recognizing Human Activities	Atiqul Islam Chowdhury, Mohsena Ashraf, Ashraful Islam, Eshtiak Ahmed, Md. Saroar Jaman, Mohammad Masudur Rahman	Atiqul Islam Chowdhury	
29 - Advanced Secure Architecture for The Internet of Things based on DTLS Protocol	Aymen Abdulelah, Ahmed Mustafa	Aymen Abdulelah	
234 - Performance analysis of a parabolic through concentrator with a curved secondary reflector	Regue Hanane Maria, BOUALI Belkacem, BENCHATTI Ahmed	BOUALI Belkacem	
130 - A Brief Characterization of the Steel Rods for Reinforcing Concrete from Two Steel Mills in Nigeria	Samaila Danbaba, Isa Aliyu Yola, Ali Evcil, Mahmut A. Savas	Samaila Danbaba	
134 - IRIS DETECTION AND RECOGNITION BY IMAGE SEGMENTATION USING K-MEANS ALGORITHM AND ARTIFICIAL NEURAL NETWORK	Firas Yaqoob, Abdullahi Ibrahim	Firas Yaqoob	

<b>SESSION 11.3. (VROOM3)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: M.Emir Köksal</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 10:30 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
334 - Exploring User Centered Design in Healthcare: A Literature Review	Srijith Chandran, Ahmed Al-Sadi, Esraa Ahmad	Ahmed Al-Sadi	
19 - WIRELESS SENSOR NETWORKS MUTUAL POLICY FOR POSITION PROTECTION	Ahmed Irmayyidh Mutar, Sefer Kurnaz, Alaa Hamid Mohammed	Ahmed Irmayyidh Mutar	
230 - WIRELESS BODY REGION NETWORKS ABNORMALITY IDENTIFICATION AND ENERGY SAVING A STUDY	SAIF MOHAMED BARAA AL-SABTI, ALAA AMJED ABDULATEEF, CAGDAS ATILLA, ALAA HAMID MOHAMMED	Saif Mohamed Baraa Al-Sabti	
146 - Facial Recognition based Attendance System Using CNN and Raspberry Pi	Muhammad Owais, Aireen Amir Jalal, Muhammad Moiz Hassan, Ammara Shaikh	Aireen Amir Jalal	
52 - Green Coexistence of CP-OFDM and UPMC Waveforms for 5G and Beyond Systems	Ahmed Hammoodi, Lukman Audah, Mustafa Aljumaily, Montadar Taher, Farooq Shawqi	Lukman Audah	
93 - Localization of Mobile Robots Through Reference Point and Target Positioning	Alaa Al Thafari, Abdullahi Ismail, Nurullah Akayya	Alaa Al Thafari	
94 - CLOUD COMPUTING SECURITY FOR ALGORITHMS	Alaa Amjed Abdulateef, Alaa Hamid Mohammed, Ihsan Amjad Abdulateef	Alaa Amjed Abdulateef	
168 - PERFORMANCE ANALYSES OF CHANNEL ESTIMATION AND PRECODING FOR MASSIVE MIMO DOWNLINK IN THE TDD SYSTEM	Alaa Amjed Abdulateef, Shakir Ibrahim, Alaa Hamid Mohammed, Ihsan Amjad Abdulateef	Alaa Amjed Abdulateef	

<b>SESSION 11.4. (VROOM4)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>09:00 am - 10:30 am</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
81 - Classification of Hand-Based and Non-Hand-Based Physical Activities Using Wearable Sensors	Duygu Bagci Das, Derya Birant	Duygu Bagci Das	
246 - Estimation of the Scattering Parameter at the Resonance Frequency of the UHF Band of the E-Shaped RFID Antenna Using Machine Learning Techniques	İsmail Akdağ, Cem Göçen, Merih Palandöken, Adnan Kaya	İsmail Akdağ	
185 - Human Detection System using Different Depths of the Resnet-50 in Faster R-CNN	Ismail Oztel	Ismail Oztel	
57 - Adaptive Flower Pollination Algorithm Based on Spatial Dispersal	Deniz Ustun, Abdurrahim Toktas	Deniz Ustun	
54 - Uzaktan Algılamada Büyük Veri Uygulamalarına Genel Bakış	İbrahim Onuralp Yiğit	İbrahim Onuralp Yiğit	
64 - Implementing Group-Based Authentication Methods On The Internet Of Things Standards	İbrahim Uğur ABA, Erhan TAŞKIN	İbrahim Uğur ABA	
89 - Security Risks and Safeguard Measures in Social Media Usage	İlker Kara	İlker Kara	

<b>SESSION 12.1. (VROOM1)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
179 - Artificial Neural Network Based Fault Location On 230 KV Transmission Line Using Voltage And Current Signals	Melih COBAN, Süleyman Sungur TEZCAN	Melih COBAN	
77 - Driver Stress Level Change Detection Using Model-Based System Engineering Method	Buket Selen Ongul, Mehmet Ali Ongun	Mehmet Ali Ongun	
38 - Elektrikli Araçla Periyodik Teknisyen Rotalama ve İstasyon Yeri Seçim Problemi	Mehmet Erdem	Mehmet Erdem	
229 - Autonomous Face Detection and Tracking Using Quadrotor UAV	Mehmet Karahan, Hamza Kurt, Coşku Kasnakoğlu	Mehmet Karahan	
215 - Optimization of Surgical Schedules at a Specialist Hospital: A Case Application	Mehmet Savsar, Muhammet Enis Bulak, Orkun Kozanoglu	Mehmet Savsar	
217 - Analysis of Effects of Some Factors on Performance of a Dental Clinic	Mehmet Savsar, Hasan Çiçek	Hasan Çiçek	
84 - A Hybrid Multicriteria Decision Approach for Industrial Robot Selection	Mehmet Şahin	Mehmet Şahin	

<b>SESSION 12.2. (VROOM2)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
66 - DESIGN OF HEALTH CARE MONITORING SYSTEM BASED ON INTERNET OF THING (IOT)	Taisir Hasan Abdulameer, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed	Taisir Hasan Abdulameer	
319 - The Public Transportation Fare Structure Improvement At Koh Chang In Trat Province, Thailand	Soopparada Tepmanee, Siradol Siridhara	Soopparada Tepmanee	
69 - A GIS-based Mapping of Mountain Peaks, Waterfalls and Mountain Lodges in North Macedonia	Stefan Jovanov, Andreja Naumoski	Stefan Jovanov	
139 - Bangla Document Classification Using Character Level Deep Learning	Md. Mahbubur Rahman, Rifat Sadik, Al Amin Biswas	Md. Mahbubur Rahman	
61 - Analysis the performance of AODV and DSDV routing protocols in different packets size by using the Flow monitor in NS3.19	Sufyan Sabah Al-Rifai, Abdullahi Abdu Ibrahim, Ahmed Muhi Shantaf	Sufyan Sabah Al-Rifai	
326 - Using Deep Learning and Medical Data Classification for Predicting Bacterial Skin Infection	Sura Abdulameer Nayyef AL-DABBAGH, Liqaa Mohammed Hasan, Abdullahi Abdu Ibrahim	Sura Abdulameer Nayyef AL-DABBAGH	
165 - Numerical Modeling Wave Type Structures in Nonlinear Diffusion Medium with Dumping	M. Aripov, Sh. Sadullaeva, N. Iskhakova	Sh Sadullaeva	

<b>SESSION 12.3. (VROOM3)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: M.Emir Köksal</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
21 - IoT DDoS Attack Detection using Machine Learning	Mahdi Hassan Aysa, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed	Mahdi Hassan Aysa	
282 - Android App Testing: A Model for Generating Automated Lifecycle Tests	Malik Motan, Samer Zein	Malik Motan	
338 - Magnetic Resonance Imaging (MRI) For Brain Tumor And Seizures Classification Using Recurrent Neural Network	Marwah ALJALEELI, Ali NAHAR, Mohammed MAHMOOD, Oğuz BAYAT	Marwah ALJALEELI	
271 - Robust Image Watermarking using DWT, SVD, Chirp-z and LU Decomposition	Mary Agoyi	Mary Agoyi	
88 - Classification of Harmful Noise Signals for Hearing Aid Applications using Spectrogram Images and Convolutional Neural Networks	Khalid Zaman, Melike Şah, Cem Direkoğlu	Khalid Zaman	
153 - Analysis and Classification of Skin Cancer Images using Convolutional Neural Network Approach	Khalid Zaman, Javed Iqbal Bangash, Sozan Sulaiman Maghdid, Shah Hassan, Hammad Afridi, Muhammad Zohaib	Khalid Zaman	
283 - Application of PV for Electricity Generation in Tajoura Heart Hospital ICU-Libya & Applied at Near East Hospital	Ahmed A Ali Ben Amira, Lida Ebrahimi Vafaei	Lida Ebrahimi Vafaei	
307 - LIGHTING THE TRNC FLAG ON THE BESPARGMAK MOUNTAIN WITH SOLAR ENERGY	Lida Ebrahimi Vafaei	Lida Ebrahimi Vafaei	

<b>SESSION 12.4. (VROOM4)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>11:00 am - 12:30 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
78 - COVID-19 DISEASE DIAGNOSIS FROM RADIOLOGY DATA WITH DEEP LEARNING ALGORITHMS	Irem Mertuyuz, Tolga Mertuyuz, Beyda Tasar, Oguz Yakut	Irem Mertuyuz	
55 - MOBILE HEALTHCARE SERVICE ROUTING AND SCHEDULING PROBLEM: A CASE STUDY IN ANKARA	Ilhami AKKUS, Ece Arzu YILDIZ, Ismail KARAOGLAN, Fulya ALTIPARMAK	Ilhami AKKUS	
290 - Pseudothermal Light Based Quantum Random Number Generator	Helin Özel, Abdulrahman Dandaşi, Kadir Durak	Helin Özel	
342 - Hybrid Detection Techniques for Skin Cancer	Hasan Abed Hasan, Abdullahi Abdu Ibrahim	Hasan Abed Hasan	
205 - The Impact of Industry 4.0 on Economic Growth: An Empirical Analysis on Selected OECD Countries	Hicran Kasa	Hicran Kasa	
268 - Design of 24-28 GHz band 5G Antenna Based On Symetrically Located Circular Gaps	Hurrem Ozpinar, Sinan Aksimsek	Hurrem Ozpinar	

<b>SESSION 13.1. (VROOM1)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
5 - Individual Eye Gaze Prediction with the Effect of Image Enhancement Using Deep Neural Networks	Oluwaseun Priscilla Olawale, Kamil Dimililer	Oluwaseun Priscilla Olawale	
33 - THE IMPACT OF PHYSICAL WORK ENVIRONMENT ON THE EMPLOYEE JOB SATISFACTION IN PRIVATE OFFICE TYPE:THE CASE OF ERBIL CITY	Nazik Jamal Abdulhamid, Zenab Kassim Majid	Nazik Jamal Abdulhamid	
323 - Personalized Quality of Experience (QOE) Management using Data Driven Architecture in 5G Wireless Networks	Zahraa Qasim EL-ezzi, Aymen Mohammed Al-Dulaimi, Abdullahi Abdu Ibrahim	Zahraa Qasim EL-ezzi	
73 - Optimizing Intersection Performance Using Sidra Program on Baraki Intersection Kabul Afghanistan	Rustam Hafizyar, Gul Rahman Abdulrahimzai, Haroonrasheed Safi, Ahmad Walid Yusufi, Khawaja Abdul Rahman Sediqi, Suhrab Aryan	Khawaja Abdul Rahman Sediqi	
160 - Model Investigation of Nonlinear Dynamical Systems by Sparse Identification	Nezir Kadah, Necdet Sinan Özbek	Nezir Kadah	
220 - Conceptual of Plasma Jet System for Telomere Expansion	Norrapon Vichiansan, Komgrit Leksakul, Poti Chaopaisarn	Norrapon Vichiansan	
98 - SPEAKER VOICE RECOGNITION USING A HYBRID PSO/FUZZY LOGIC SYSTEM	NUHA AL-TEKREETI, Abdullahi Ibrahim	NUHA AL-TEKREETI	

<b>SESSION 13.2. (VROOM2)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
306 - Prediction of Temperature and Rainfall in Bangladesh using Long Short Term Memory Recurrent Neural Networks	Mohammad Mahmudur Rahman Khan, Md. Abu Bakr Siddique, Shadman Sakib, Anas Aziz, Ihtyaz Kader Tasawar, Ziad Hossain	Shadman Sakib	
253 - An Efficient Approach for Sequential Pattern Mining on GPU Using CUDA Platform	Shah Mohammed Nuruddin, Md. Didarul Islam, Md. Shafiqul Alam, Jesan Ahammed Ovi, Md. Ashraf Islam	Shah Mohammed Nuruddin	
337 - Diagnosis Of Myopathy, Neuropathy Using Electromyogram Signal And Wavelet Coefficients	Seyed Amirhossein Mousavi, Muntadher Ali Hasan, Mustafa Hameed Abdulrazzaq, Maryam Naghavizadeh	Seyed Amirhossein Mousavi	
311 - Diagnosis of hand tremor using a smart phone accelerometer and SVM	Seyed Amirhossein Mousavi, Mustafa Hameed Abdulrazzaq, Muntadher Ali Hasan, Maryam Naqavizadeh	Seyed Amirhossein Mousavi	
102 - Enhancement of Speech Signals for Hearing Aid Devices using Digital Signal Processing	Khalid Zaman, Sozan Sulaiman Maghdid, Hammad Afridi, Sabih Ullah, Muhammad Zohaib	Khalid Zaman	
330 - Developing Low Energy Consumption Software Defined Radio Using Internet Of Things	Liqaq Mohammed Hasan, Sura Abdulameer Nayyef AL-DABBAGH, Abdullahi Abdu Ibrahim	Liqaq Mohammed Hasan	
72 - Numerical Analysis of Doubly Nonlinear ReactionDiffusion System with Distributed Parameters	Sh. Sadullaeva, Z. Fayzullaeva, D. Nazirova	Sh Sadullaeva	
124 - Automated Control of the Process of Formation Individualized Trajectories Students Preparation in the Credit System	Sh. Sadullaeva, O. Talipova, F. Fozilov, N. Mirkhodjaeva	Sh Sadullaeva	

<b>SESSION 13.3. (VROOM4)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>01:30 pm - 03:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
184 - Evrimsel Sinir Ağları Kullanılarak Araç, Yaya ve Trafik İşaretlerinin Algılanması	Gülyeter ÖZTÜRK, Raşit KÖKER, Osman ELDOĞAN, Durmuş KARAYEL	Gülyeter ÖZTÜRK	
208 - An Experimental Study on Hyper Parameters for Training Deep Convolutional Networks	Hakan Temiz	Hakan Temiz	
335 - Recognizing Musical Notation Using Convolutional Neural Networks	Ahmad Othman, Cem Direkoglu	Ahmad Othman	
58 - Performance Evaluation of Different Window Functions for Audio Fingerprint Based Audio Search Algorithm	Hakan Uyanık, Murat Köseoğlu	Hakan Uyanık	
301 - Determination of Cardiovascular Occlusion with Microstrip Antennas	Hakan Uyanık, Dilek Uzer, Rabia Top, Seyfettin Sinan Gultekin	Hakan Uyanık	
273 - Borsa Istanbul Energy Index Direction Prediction with Filter-Based Feature Selection and Ensemble Learning Approaches	Hakan Gunduz	Hakan Gunduz	
206 - IoT Based Mobile Smart Home Surveillance Application	Haki Mehmet ERZİ, Ahmet Arif AYDIN	Haki Mehmet ERZİ	

<b>SESSION 14.1. (VROOM1)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Turgut Özseven</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
223 - Optimal 3D Path Planning for the Delivery Quadcopters Operating in a City Airspace	Mohammed Taha, Mohamed Mohamed, Osman N. Uçan	Mohammed Taha	
199 - REAL ESTATE PRICE RANGE PREDICTION USING ARTIFICIAL NEURAL NETWORK AND GREY WOLF OPTIMIZER	Omar Algbury, Sefer Kurnaz	OMAR Algbury	
20 - A Survey on Multi-Objective Harmony Search-Based Clustering and Characteristics in WSN	Sami Abduljabbar Rashid, Lukman Audah, Mustafa Maad Hamdi, Sameer Alani, Alaa Hamid Mohammed	Sami Abduljabbar Rashid	
128 - A Review on UWB Antenna Sensors for Wireless Body Area Networks	Sameer Alani, Zahriladha Zakaria, Tale Saiedi, Asmala Ahmad, Sarmad Nozad Mahmood, Mohammed Ayad Saad, Sami Abduljabbar Rashid, Mustafa Maad Hamdi, Maath Abdulla A. Arabi ALBEYAR	Sarmad Nozad Mahmood	
101 - EFFICIENT ROUTING TECHNIQUE IN WIRELESS SENSOR NETWORK USING PSO TOPOLOGY OPTIMIZATION	Mohammed Hasnawi, Abdullahi Ibrahim	Mohammed Hasnawi	
111 - Optimization Search Using Hypercubes	Rahib Abiyev, Mustafa Tunay	Rahib Abiyev	
92 - Artificial Intelligence in Smart Agriculture: Modified Evolutionary Optimization Approach for Plant Disease Identification	Jalal Sadoon Hameed Al-bayati, Burak Berk Üstündağ	Jalal Sadoon Hameed Al-bayati	
<b>SESSION 14.2. (VROOM2)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>03:30 pm - 05:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
132 - An Investigation on Mechanical Properties of PLA Produced by 3D Printing as an Implant Material	Gökhan Bürge, Ersin Aytac, Ali Evcil, Mahmut A. Savas	Gökhan Bürge	
141 - Multilayer Perceptron Approach to PLA, PLA / Copper and PLA / Carbon Substrate Bow-tie Antenna Production	Gözde Sarıbaş, Emine Avşar Aydın, Ahmet Refah Torun	Gözde Sarıbaş	
343 - The effect of fly ash and slag on the absorption and mechanical characteristics of geopolymer mortar	Dia Eddin Nassani, Abdiqani Aden	Dia Eddin Nassani	
142 - Multilayer Perceptron Approach to Different Parameter Bow-tie Antennas Produced with PLA / Carbon / Copper Mixtures	Gözde Sarıbaş, Emine Avşar Aydın, Ahmet Refah Torun	Gözde Sarıbaş	
Audience Tracking and Cheering Content Control in Sports Events	Gözdenur Yeşilyurt, Sefa Dursun, Osman Kumaş, Nagehan Çakır, Taner Arsan	Gözdenur Yeşilyurt	
228 - Personel İş Zekası Sistemi ve Kümeleme Analizi Yöntemi ile Personel Memnuniyetinin Ölçülmesi	Gizem Çetin, Ömer Özgür Tanrıöver	Gizem Çetin	
46 - Soğutma Sistemlerindeki Soğutucu Akışkan Kaçak Tespiti İçin Kızılötesi Görüntüler Üzerinde Pearson Korelasyon Benzerlik Analiz Yönteminin Kullanılması	Ferzan Katircioğlu, Zafer Cingiz, Yusuf Çay, A. Etem Gürel, Ahmet Kolip	Ferzan Katircioğlu	
<b>SESSION 15.1. (VROOM2)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Ebubekir Yaşar</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
300 - Electromagnetic Characterization of Polycaprolactone electrospun nanofibers filled with Fe3O4 Nanoparticles	Raffaele Longo, Liberata Guadagno, Patrizia Lamberti	Raffaele Longo	
277 - EFFECTS OF CLEM CLOUD BASED E-LEARNING MANAGEMENT SYSTEM FOR TEACHING A REVIEW	Saeed Ahmed Raheem, Hayder Makkee Namaa, Mohammed Yousif Taha, Abdullahi Abdu Ibrahim, Alaa Hamid Mohammed	Saeed Ahmed Raheem	
40 - IMAGE SUPER-RESOLUTION USING SPARSE REPRESENTATION AND NOVELTY NOISE REMOVAL SUPER-RESOLUTION	Saab Hazim Ahmed, Sefer Kurnaz, Alaa Hamid Mohammed	Saab Hazim Ahmed	
186 - Using Machine Learning To Secure IOT Systems	Mohammed Thakir Mahmood, Saadaldeen Rashid Ahmed Ahmed, Moahammed Rashid Ahmed Ahmed	Saadaldeen Rashid Ahmed Ahmed	

<b>SESSION 15.2. (VROOM4)</b>		<b>Date:</b>	<b>October 24, 2020</b>
<b>Chair: Sadık Önal</b>		<b>Time (GMT+3):</b>	<b>05:30 pm - 07:00 pm</b>
<b>Paper</b>	<b>Author (s)</b>	<b>Speaker</b>	
140 - Person Re-Identification in Surveillance Videos using Deep Learning based Body Part Partition and Gaussian Filtering	Fatih Aksu, Cem Direkoglu	Fatih Aksu	
239 - Flow Characteristics of Traffic Flow at Signalized Intersections and Performance Comparison using Queueing Theory	Fatih Gunes, Selim Bayraklı, Abdul Halim Zaim	Fatih Gunes	
178 - SENSIVITY EVALUATION OF SPATIAL DATA FOR GIS-BASED SNOW AVALANCHE HAZARD IN MOUNTAIN REGIONS OF BİTLİS, TURKEY	Levent Selçuk, Azad Sağlam Selçuk	Levent Selçuk	
80 - Gender Classification Using Appearance Based Face Recognition Methods	Ersin OZTURK, Cetin KURNAZ	Ersin OZTURK	
31 - Yapay Sinir Ağları ile Sıvı Ham Demir Tahmini ve 5. Yüksek Fırın Uygulaması	Ertan Yavuz Köprü, Caner Özcan	Ertan Yavuz Köprü	
166 - Histopatoloji Görüntülerde Derin Öğrenme Yöntemleri ile Çekirdek Segmentasyonu	Ertuğrul MENTEŞE, Emrah HANÇER	Ertuğrul MENTEŞE	
60 - INVESTIGATION OF THE USING OF SHAPE MEMORY ALLOYS TO REDUCE VIBRATION IN THE CUTTING TOOL IN TURNING OPERATIONS	Eymen Akdeniz, Hakan Arslan	Eymen Akdeniz	