

# IDAP-2019 TECHNICAL PROGRAM

21.09.2019 SATURDAY			
09:00-10:30 PAPER ID		PAPER TITLE	
COMPUTER NETWORKS AND APPLICATIONS	MAIN HALL Chair: PROF.DR.SERDAR ETHEM HAMAMCI	163	Design and Implementation of an Embedded Real-Time System for Guiding Visually Impaired Individuals
		199	Yazılım tanımlı ağlarda kullanılan Openflow protokolünün OMNET++ platformunda benzetimi
		176	Gerçek Zamanlı Sistemlerde Görev Zamanlama Algoritmaları ve Kaynak Erişim Protokolleri
		104	Nesnelerin İnterneti Teknolojisi ile Kalp Krizi Algılama ve Ambulans Yönlendirme Sistemi
		164	Veins based studies for vehicular ad hoc networks
		6	Measuring IEEE 802.15.4 Protocol Performance over Embedded Control Systems
		167	Gizli Zamanlama Kanalinın Farklı Pencere Boyutları Kullanılarak Makine Öğrenmesi Yöntemleriyle Algılanması
		93	The Importance of Multidisciplinary in Data Science: Application of the Method in Health Sector to Telecommunication Sector

21.09.2019 SATURDAY			
09:00-10:30 PAPER ID		PAPER TITLE	
BIOSTATISTICS WORKSHOP	PINK HALL Chair:PROF.DR.CEMİL ÇOLAK	215	An Intelligent System for the Classification of Lung Cancer Based on Deep Learning Strategy
		214	Assessment of Association Rules based on Certainty Factor: an Application on Heart Data Set
		206	A Developed web-based software can easily fulfill the assumptions of correlation, classification and regression tasks in data processing
		207	Deep learning based-classification of dementia in magnetic resonance imaging scans
		203	ARM: An Interactive Web Software for Association Rules Mining and an Application in Medicine
		204	Prediction of Melanoma from Dermoscopic Images Using Deep Learning-Based Artificial Intelligence Techniques
		208	OPEN SOURCE WEB BASED SOFTWARE FOR RANDOM ASSIGNMENT/ALLOCATION METHODS IN DATA PROCESSING
		211	An Open Sourced Software for Data Transformation and an Application on Simulated Data

21.09.2019 SATURDAY			
09:00-10:30 PAPER ID		PAPER TITLE	
INTERNATIONAL SPEAKING SESSION	BLUE HALL CHAIR: ASST.PROF.DR.ABDULLAH ERHAN AKKAYA	27	About membership function selection at reactive power in electric networks with distributed generation
		28	Reactive power adaptive control system in networks with distributed generation based on fuzzy set theory
		30	Heteropolar controlled fuzzy shunt reactor for high-voltage networks
		48	FUZZY LOGIC CONTROLLER APPLICATION IN HYBRID SOLAR AND WIND ENERGY SYSTEM
		50	Suni intellekt nəzəriyyəsinin piroliz qazından yüksək təmizliyə malik izobutanın və izobutilenin alınması prosesinə tətbiqi
		161	N-Gram and TF-IDF for Feature Extraction on Opinion Mining of Tweets with SVM Classifier
		128	On the Effects of the Frequency Frame on DC Motor Example: Fractional Order PI-PD Case
		113	Fractional Order Model Identification of Receptor-Ligand Complexes Formation by Equivalent Electrical Circuit Modeling
		43	Risk susceptibility of brain tumor classification to adversarial attacks
		45	Prediction of drug potency and latent relation analysis in precision cancer treatment
		216	Gender Prediction from Images Using Deep Learning Techniques
		80	Normal and Acute Tympanic Membrane Diagnosis based on Gray Level Co-Occurrence Matrix and Artificial Neural Networks
		182	Development of Low Cost Autonomous Robot
		192	Development of a Wireless Sensor Network Based Water Quality Monitoring and Notification System
		193	Development of a Small Scaled Microcontroller-Based Poultry Egg Incubation System
		194	Design and Implementation of a Wireless Patient Health Monitoring System
		195	An IoT-Based Multi-Objective Approach to Real-Time Conditioning and Control in a Server Room
		73	A Recursive Mean Filter for Image Denoising

21.09.2019 SATURDAY			
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MACHINE LEARNING	ORANGE HALL Chair: PROF.DR.DAVUT HANBAY	16	Transfer Learning Based Object Detection and Effect of Majority Voting on Classification Performance
		17	Comparison between Machine Learning Algorithms in the Predicting the Onset of Diabetes
		201	White Blood Cell Classification Based on Shape and Deep Features
		171	Deep Learning Based Sentiment Analysis and Text Summarization in Social Networks
		115	Deep Learning Based Classification of Academic Studies Using Doc2Vec Model
		33	Machine Learning-based Silence Detection in Call Center Telephone Conversations
		41	Deep Features and Extreme Learning Machines based Apparel Classification
		154	Semantic Image Segmentation for Autonomous Driving Using Fully Convolutional Networks

21.09.2019 SATURDAY	
10:30-10:45	TEA-COFFEE BREAK
OPENING CEREMONY	
10:45-12:00	
LUNCH TIME	
12:00-13:00	

21.09.2019 SATURDAY			
14:00-15:30	PAPER ID	PAPER TITLE	
DATA SCIENCE	MAIN HALL Chair: PROF.DR.MEHMET KAYA	91	Apache Hive Performance Improvement Techniques for Relational Data
		2	Probabilistic Relational Connectivity Analysis of Bigram Models
		175	Feature and Connection Based Network Alignment Method
		46	Real-Time Traffic Rules Infringing Determination Over the Video Stream: Wrong Way and Clearway Violation Detection
		149	Comparing Biclustering Algorithms Using Data Envelopment Analysis to Choose the Best Parameters
		173	Exploring the Relationship Between Academicians via Reference Parsing
		68	SmartSenti: A Twitter-Based Sentiment Analysis System for the Smart Tourism in Turkey
		174	A Hybrid Recommendation System in Co-authorship Networks

21.09.2019 SATURDAY			
14:00-15:30	PAPER ID	PAPER TITLE	
METAHEURISTIC COMPUTING	BLUE HALL Chair: PROF.DR.İBRAHİM TÜRKÖĞÜ	153	Yapay Arı Koloni Algoritması ile Büyük Boyutlu Problemlerin ARM Tabanlı Mobil Platformda Çözülmesi
		42	Disturbance Rejection Fractional Order PID Controller Design in v-domain by Particle Swarm Optimization
		89	Çok Amaçlı Metasezgisel Optimizasyon Algoritmalarının Performans Karşılaştırması
		94	Optimum Fuel Cost in Load Flow Analysis of Smart Grid by Using Artificial Bee Colony Algorithm
		70	Feature Selection by Using Heuristic Methods for Text Classification
		136	Investigation of Performance of HHO Algorithm in Solving Global Optimization Problems
		124	Lojistik-Singer Harita Tabanlı Yeni Bir Kaotik Sürü Optimizasyon Yöntemi
		98	Evrimsel Sinir Ağlarında Kullanılan Optimizasyon Algoritmalarının Uygulanması ve Kıyaslanması

21.09.2019 SATURDAY			
14:00-15:30	PAPER ID	PAPER TITLE	
CONTROLS	PINK HALL Chair: PROF.DR.TEYMURAZ ABBASOV	62	Determination of Feed Point by Surrogate Model Based on Radial Basis Function for Rectangular Microstrip Antennas
		197	Discrete-time Backstepping Attitude Control of a Quadrotor UAV
		44	Genetik Algoritma ile Düşük Duyarlılığa Sahip Optimal FOPID Denetleyici Tasarımı
		77	An adaptive neural fuzzy control scheme for rotational maneuvering and vibration suppression of a flexible satellite system
		138	Artificial Electric Field Algorithm for Determining Controller Parameters in AVR system
		59	Gerçek ve Sanal Bir Robota Dayalı Haptik-Teleoperasyon Sisteminin Kayan Kipli Kontrolü (Sliding Mode Control of the Haptic-Teleoperation System Based on a Real and Virtual Robot)
		19	Improving Control of SST using Type-2 Neuro-Fuzzy Controller with Elliptic Membership Function
		86	PID Controller Design based on Sine Cosine Algorithm for Magnetic Ball Suspension System

21.09.2019 SATURDAY			
14:00-15:30		PAPER ID	PAPER TITLE
CLASSIFICATION	ORANGE HALL Chair:PROF.DR.ABDULKADİR ŞENGÜR	18	Multiple Classification of Flower Images Using Transfer Learning
		1	Food Image Classification with Deep Features
		181	Performance Comparison of Texture Classifiers on Small Windows
		140	Feature Selection for Text Classification using Mutual Information
		125	Wart Treatment Selection with a Decision Tree-Based Approach
		155	A SVM-PSO Classifier for Robot Motion in Environment with Obstacles
		165	Performance Comparison of Various Classifier Algorithms on Bioacoustic Sound Data Using Principal Component Analysis
		123	Makine Öğrenmesi ve Transfer Öğrenme ile Türkçe Metin Sınıflandırma

21.09.2019 SATURDAY	
15:30-15:45	TEA-COFFEE BREAK

21.09.2019 SATURDAY			
15:45-17:15		PAPER ID	PAPER TITLE
IMAGE/SIGNAL PROCESSING	MAIN HALL Chair:PROF.DR.ARİF MEMEDOV	35	Improving the Hough Transform Through Three New Morphological Operators
		49	Derin Öğrenme ve Ses Tabanlı Duygu Tanıma
		79	Diagnosis of Lumbar Spondylolisthesis via Convolutional Neural Networks
		187	The Eye-out-Device Multi-Camera Expansion for Mobile Robot Control
		15	Performance Evaluation of A Speech Protected Active Noise Control System
		103	SIMULTANEOUSLY REALIZATION OF IMAGE ENHANCEMENT TECHNIQUES ON REAL-TIME FPGA
		166	Identification of Apricot Varieties Using Leaf Characteristics and KNN Classifier
		131	Object Detection on FPGAs and GPUs by Using Accelerated Deep Learning

21.09.2019 SATURDAY			
15:45-17:15		PAPER ID	PAPER TITLE
HEURISTICAL COMPUTING	BLUE HALL Chair: ASSOC. PROF. MEHMET KARAKÖSE	144	IoT uygulamalarında kullanılan simülasyon araçlarının incelenmesi
		26	An overview of quality metrics used in estimating software faults
		31	Farklı Sensörlerle Metan Gazının Ölçülmesi ve Dinamik Modellenmesi
		147	Yaşanmış önemli yazılım hatalarının incelenmesi ve kritik öneriler
		107	Yapay Zeka, Akıllı Şehirler ve Kalkınma
		69	EEG Controlled Semi-Autonomous Mobile Vehicle Design And Implementation
		100	Approximate Data Driven Parallel Shape Matching for Soft Body Physics Simulations
		34	Analysis of Detected Silent Segments in Call Center Recordings

21.09.2019 SATURDAY			
15:45-17:15	PAPER ID	PAPER TITLE	
TEXT PROCESSING	PINK HALL Chair: PROF.DR.CEMİL ÇOLAK	120	Çoklu Sınıflandırma Yöntemleri Ve Veri Çoğaltma Tekniği ile Sahte Twitter Hesapların Tespiti
		202	Çizge Entropi ile Çıkarıcı Metin Özetleme
		81	Gated Recurrent Unit Based Turkish Sentiment Analysis
		122	Classification of Turkish News Content by Deep Learning Based LSTM Using Fasttext Model
		88	A Smart School by Using an Embedded Deep Learning Approach for Preventing Fake Attendance
		186	Türkiye Akademik İşbirliklerinin Çizge Olarak Modellenmesi ve Baskın Düğüm Analizi
		172	Evaluation of Session-Suitability of Papers in Conference Programs
		152	Akan Veri İşlemede Popüler NoSQL Veritabanı Teknolojilerinin CAP Tabanlı İncelenmesi

21.09.2019 SATURDAY			
15:45-17:15	PAPER ID	PAPER TITLE	
APPLICATIONS	ORANGE HALL Chair:ASSOC.PROF.CELELEDDİN YEROĞLU	22	Prediction of Air Quality Index by Extreme Learning Machines
		25	DNA encoding with entropy based numerical mapping technique for phylogenetic analysis
		83	Development of CNN architecture for Honey Bees Disease Condition
		196	Implementation of Demand Side Load Management by Domestic Load Shedding Algorithm for Conventional Electricity Meters
		71	Harris Hawks Optimization Approach for Tuning of FOPID Controller in DC-DC Buck Converter
		129	Automatic Thresholding Method Developed With Entropy For Fabric Defect Detection
		127	Climate change impacts on electricity demand in Turkey
		146	Completing right-censored data in time-series modelling

22.09.2019 SUNDAY			
09:00-10:30	PAPER ID	PAPER TITLE	
NETWORKS	MAIN HALL Chair:ASSOC.PROF.BARIŞ BAYKANT ALAGÖZ	75	A Theoretical Study on Event Spreading Prediction by Probabilistic Connectivity Analysis in Dispersive Networks
		114	Büyük veri üzerine perspektif bir bakış
		72	An Efficient Embedded Security System for Reduce Car Accident to Biuld Safer World Based On IoT
		180	Requirement Analysis for Cybersecurity Solutions in Industry 4.0 Platforms
		101	Apache Log Dosyaları Kullanılarak Geliştirilmiş Bir Saldırı Tespit Sistemi
		97	Mobile Sink Trajectory Determination for Wireless Sensor Networks Using Dependent Nonparametric Trees
		117	Cloud Based Indoor Navigation for ROS-enabled Automated Guided Vehicles

22.09.2019 SUNDAY			
09:00-10:30		PAPER ID	PAPER TITLE
MISCELANOUS	BLUE HALL Chair:ASSIST.PROF.AHMET ARIF AYDIN	133	A New Deep Neural Network Based Dynamic Fuzzy Cognitive Map Weight Updating Approach
		185	Multiple Object Tracking with Dynamic Fuzzy Cognitive Maps Using Deep Learning
		191	CN Yöntemiyle İnebolu Havzası Potansiyel Sel Oluşumlarının CBS Tabanlı Bir Yazılımla Belirlenmesi
		56	Derin Öğrenme Metodu ile Büyük Veri Kümelerinden Saldırı Türlerinin Sınıflandırması ve Analizi
		162	user2Vec: Social Media User Representation Based on Distributed Document Embeddings

22.09.2019 SUNDAY			
09:00-10:30		PAPER ID	PAPER TITLE
HARDWARE COMPUTING	PINK HALL Chair:ASSIST.PROF.ABDULLAH ATEŞ	141	Dağıtık Üretimli Güç Sistemlerinin Geçici Kararlılık Analizi
		148	Detection of Pantograph Collector Strips Using Correlation Method
		189	Diyarbakır Şehrindeki Orta Gerilim Elektrik Dağıtım Şebekesinde Gerilim Düşüm Ve Güç Kayıplarının CBS İle Eşleştirilmesi
		188	Combination of Deep Features and KNN Algorithm for Classification of Leaf-Based Plant Species
		156	Bearing Fault Diagnosis in Traction Motor Using the Features Extracted from Filtered Signals
		109	Adaptive Gradient Descent Control of Stable, First Order, Time-delay Dynamic Systems According to Time-Varying FIR Filter Model Assumption