

SYMPOSIUM PROGRAM



IDAP'17

IEEE
Turkey Section



International Artificial Intelligence and Data Processing Symposium

Social networks
Algorithms/data structures
Video processing
Signal processing hardware
Information security
Pattern recognition
Artificial intelligence
Robotic
Heuristics/Methods
Human-machine interaction
Multimedia processing
Intelligent agents
Signal processing

Biometric processing

Robot programming - Biomedical processing

Data-Mining

Brain-computer interfaces
Deep learning
Data processing
Big data
Computer vision
Spatio-spectral analysis
Computational statistics
Time-frequency analysis

SEPTEMBER 16-17

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16.09.2017- SATURDAY

9:00-10:00 - Opening Program (MAIN HALL)

10:00-10:15 - Tea-Coffee Break

10:15-12:00	PAPER ID	PAPER TITLE
INFORMATION SECURITY/COMPUTER NETWORKS MAIN HALL Chair: Ali Karci	9	A Survey On Anti-Forensics Techniques
	10	Gelişen Teknoloji Bulut Bilişim ve Türkiye
	23	A Simple Logging System for Safe Internet Use
	70	An Android Application to Secure Text Messages
	88	Kablosuz Algılayıcı Ağlarda Düğümlerin Kapsama Yarıçapının Ağ Ömrüne Etkisi
	174	RMTE: Robust Modular Traffic Engineering in Software-Defined Data Center Networks
	164	Tasarsız Ağlarda Yönlendirme Protokollerinin Başarımlarının Değerlendirilmesi
	256	Fast Software Implementation of DES for Lightweight Platforms
DATA MINING/SOFT COMPUTING ORANGE HALL Chair: M. Faıth Talu	68	Naive Bayes Makine Öğrenmesi Algoritmasıyla Mahout Üzerinde Metin Sınıflandırma
	55	Automatic Fault Detection With Bayes Method In University Campus Network
	144	Meyve Yetiştiriciliği İçin Veri Madenciliğine Dayalı Bir Karar Destek Sistemi Çalışması
	265	Robot Arm Control With for SSVEP-Based Brain Signals In Brain Computer Interface
	170	Mining similar radiology reports using BoW and Fuzzy C-means clustering
	78	Creating an Alternative Layout Plan with Simulated Annealing Based on Data Mining
	311	Haber Metinlerinin Farklı Metin Madenciliği Yöntemleriyle Sınıflandırılması
	67	Gen İfade Profilleri Kullanılarak Pankreas Kanserinin Örüntü Tanıma Yöntemleri ile Teşhisi
ARTIFICIAL INTELLIGENCE BLUE HALL Chair: Davut Hanbay	283	PLD : Power Line Detection System for Aircrafts
	95	A Study On The Performance Of The Hybrid Optimization Method Based on Artificial Bee Colony And Differential Evolution Algorithms
	217	Deep Recurrent Support Vector Machine for Online Regression
	120	Farklı Makine Öğrenme Teknikleri Ve TERRA/ MODIS Verisi Kullanılarak Güneş Radyasyonunun Tahmini
	121	Güneş Enerjisinin Makine Öğrenmesi Metotları İle Tahmini
	135	Improvement of a Genetic Algorithm Approach for the Solution of Vehicle Routing Problem with Time Windows
	139	Multi Document Summarization for Turkish News
	11	Özyinelemeli Orta Sınıf Süzgeç İçin İki Yeni Yaklaşım
SIGNAL PROCESSING/ROBOTICS /COMPUTER VISION PINK HALL Chair: Fatih Kocamaz	75	Color Based Moving Object Tracking With An Active Camera Using Motion Information
	100	Discretization of Fractional Order Transfer Functions by Weighted Multi-Objective Particle Swarm Optimization Method
	105	A Study on EMI Shielding Effectiveness of Graphene Based Structures
	117	A new object detection and classification method for quality control based on segmentation and geometric features
	134	Design and implementation of a semi-autonomous mobile search and rescue robot: Salvor
	309	High-Accuracy Serial Pattern Detection System

LUNCH BREAK (12:00-13:30)

16.09.2017- SATURDAY

13:30-15:00		PAPER ID	PAPER TITLE
ARTIFICIAL INTELLIGENCE	MAIN HALL Chair: B. Bayraktar Alagoz	16	Neuro-Fuzzy(Anfis) Siniflayicilarinin Egitiminde Boyut Indirgeme Yontemlerinin Etkilerinin Karstilasirlmasi
		58	Surtunme Karistirma Kaynagi Ile Birlestirilen Aluminyum Alaslamlarinin Mekanik Dayaniminin Yapay Sinar Aglari Ile Modellenmesi
		69	Usage Of Artificial Neural Network For Estimating Of The Electrospun Nanofiber Diameter
		73	H2SO4 Etkisindeki Zeolit Icerikli Betonların Basinc Dayaniminin ANFIS Ile Tahmini
		81	Hybridizing Extreme Learning Machine And Bio-Inspired Computing Approaches For Improved Stock Market Forecasting
		299	Performance Evaluation of Electrical Transmission Line Detection and Tracking Algorithms Based on Image Processing Using UAV
		129	Matlab ve C++/Opencv Platformları Üzerinde Gerçek Zamanlı Kumaş Hatası Tespiti
SIGNAL PROCESSING/BRAIN COMPUTER INTERACTION	ORANGE HALL Chair: Celaleddin Yeroğlu	19	Channel Selection from EEG Signals and Application of Support Vector Machine on EEG Data
		147	Pilot Symbol Based Channel Estimation and Capacity Evaluation in FBMC and OFDM
		159	Overlapping PPM Scheme with Adjustable Parameters for Visible Light Communication Systems
		191	FPGA ve FPAА Tabanlı Haberleşme Sistemlerinde BER Analizi ve Uygulaması
		211	Çoklu-Hipotez Tahmini ile Derinlik İmgelerinde Süper Çözünürlük (Depth Image Super Resolution via Multi-Hypothesis Estimation)
		240	Parçacık Değiştirmeli PSO Algoritması - PID Denetleyici Optimizasyonu Üzerine Uygulaması
		271	Akıllı Şehir Uygulaması: Android Tabanlı Akıllı Otopark Sistemi
BIG DATA/DEEP LEARNING	BLUE HALL Chair: A. Arif Aydın	13	Derin Öğrenme ile Yüz İmgelerinden Cinsiyet Tanıma
		74	A Retinal Vessel Detection Approach Using Convolution Neural Network
		146	A GPU-Based Convolutional Neural Network Approach for Image Classification
		158	Deep Learning based Face Liveness Detection in Videos
		196	An Overview of Quality Attributes for Data Intensive Systems in Crisis Informatics
		322	Mamdani Tip Bulanık Mantık Kümeleri Kullanılarak Metabolik Sendrom Risk Tespit Sisteminin Geliştirilmesi
		136	A Novel SDN-Based IoT Architecture for Big Data
BIOMEDICAL SIGNAL/IMAGE PROCESSING	PINK HALL Chair: Bilal Şenol	257	Oto-kodlayıcı'nın temel parametrelerinin kodlama başarımı üzerindeki etkisinin incelenmesi
		324	HSI Renk Uzayı Kullanarak Alev Tesiti
		156	Voxel Based Morphometric Analysis on MR Images
		157	A New Model to Determine Asymmetry Coefficients on MR Images using PSNR and SSIM
		168	A Novel Software for Comprehensive Analysis of Cardiotocography Signals "CTG Analyzer"
		231	EEG İşaretlerinden Uyku Seviyesinin Kestiriminde Dalgacık ve Görgül Kip Ayrışım Yöntemlerinin Karşılaştırılması
		281	Hybrid Approach Optic Disc Segmentation for Retinal Images

TEA/COFFEE BREAK (15:00-15:15)

16.09.2017- SATURDAY

15:30-17:00		PAPER ID	PAPER TITLE
ARTIFICIAL INTELLIGENCE	MAIN HALL Chair:Kenan Ince	17	An Annotated Corpus for Turkish Sentiment Analysis at Sentence Level
		79	Yoğunluk Tabanlı Öznitelik Gruplarından Kararlı Öznitelik Seçiminin Sezgisel Algoritmalar ile Elde Edilmesi
		186	Comparing Inertia Weights of Particle Swarm Optimization in Multimodal Functions
		199	Stochastic Fractal Search with Chaos
		200	SFLA Based PI Parameter Optimization For Optimal Controlling Of A Buck Converter's Voltage
		209	Autonomous Generation of Conflict-Free Examination Timetable using Constraint Satisfaction Modelling
		268	Fuzzy Logic Controlled Brushless Direct Current Motor Drive Design and Application for Regenerative Braking
DATA PROCESSING	ORANGE HALL Chair:Erhan Akkaya	21	HİPI Kullanarak Çok sayıda Raster Uydu Görüntüsünün Dağıtık Mimaride Vektörleştirilmesi
		298	Comparison of HDL Coder and System Generator Tools in terms of QPSK Analysis
		85	Yüz Tanıma Algoritmalarının Performans Analizi
		189	Döngüsel Durağan Öznitelik ve Sınır Ağı Kullanarak Otomatik Modülasyon Sınıflandırma
		26	Tek Kanallı EEG sinyali ile Cinsiyet Sınıflandırma
		29	An Automation System for Data Processing and Motion Generation
		138	LBP-GLCM Yöntemleri ile Kumaş Hata Tespiti
DATA MINING/BIG DATA/DEEP LEARNING	BLUE HALL Chair:Ahmet Karadoğan	137	Duygu Analizinde Öznitelik Seçim Yöntemleri
		310	High-Resolution Animation of Next-Generation Dynamics
		247	Classification Rule Mining Approach Based on Multiobjective Optimization
		56	An Approach for Predicting Employee Churn by Using Data Mining
		267	Facial Emotion Recognition on a Dataset Using Convolutional Neural Network
		258	Yerel İkili Örüntü Yöntemi Kullanarak Eeg Kayıtlarından Mental Aktivite Tespiti
		290	Social Network Analysis and Data Visualization Tools Examination and Applied Study
AUDIO/VIDEO/IMAGE PROCESSING	PINK HALL Chair:Mahmut Dirik	27	Sözlük Öğrenme ile Mamogram Görüntülerinin Sınıflandırılması
		285	A Comparison of Corner and Saliency Detection Methods for Power Line Detection
		91	Comparison of LSB Image Steganography Technique in Different Color Spaces
		122	Diyabetik Retinopati Tespiti için Renkli Retinal Görüntülerden Makular Ödem Bölgesinin Yerelleştirilmesi
		124	Auto Correlation Based Elevator Rope Monitoring and Fault Detection Approach with Image Processing
		131	Validation of Fuzzy and Possibilistic Clustering Results
		154	İkili Görüntülerin Kayıpsız Sıkıştırılması için Yeni Bir Yöntem

17.09.2017- SUNDAY

09:00-10:15		PAPER ID	PAPER TITLE
ARTIFICIAL INTELLIGENCE/BIOINFORMATICS	MAIN HALL Chair:Ali Karci	178	Quad Motif-Based Influence Analyse of Posts in Instagram
		179	A Recommendation Method Based on Link Prediction in Drug-Disease Bipartite Network
		207	Parameter Optimization Of PI Controller By PSO For Optimal Controlling Of A Buck Converter's Output
		300	Receiver Models in Molecular Communication via Diffusion
		242	Lig Şampiyonluk Algoritması ile 154/33,6 kV Hasaңcelebi Trafo Merkezinin Aşırı Akım Röle Koordinasyonu
		206	PI's Parameter Optimization Based On IWO For Optimal Controlling Of A Buck Converter's Output
		213	Classification of EMG Signals by LRF-ELM
ARTIFICIAL INTELLIGENCE/IMAGE PROCESSING	ORANGE HALL Chair:M. Fatih Talu	28	Yapay Sinir Ağı Ve Uydu Dataları Kullanılarak Güneş Radyasyonunun Tahmini
		31	Küreselleştirme Isıl İşlemi Uygulanmış AISI 1050 Çeliğinin Yüzey Pürüzlülük Değeriinin Yapay Sinir Ağları ile Modellenmesi
		82	A Discriminative Dictionary Learning-AdaBoost-SVM Classification Method on Benchmark Datasets
		96	Designing of the Artificial Neural Network Model Trained by Using the Different Learning Algorithms to Classify the Electrocardiographic Signals
		99	Breast Cancer Classification with Wavelet Neural Network
		114	Evolution of Spatial Modulation and Reviewing of Novel Studies
ARTIFICIAL INTELLIGENCE	BLUE HALL Chair:Davut Hanbay	123	Genelleştirilmiş Süzgeç Kümesi Tasarımı İle Uyku Evresi Sınıflandırma
		118	Izgara Çizgelerin Segmentasyon ile Optimizasyonu
		111	Fire Evacuation Route Determination based on Particle Swarm Optimization
		261	Akıllı Şebeke ile Entegre Bir Akıllı Kampüs - A Smart Campus Integrated With Smart Grid
		171	Bi-RRT Path Extraction and Curve Fitting Smooth with Visual Based Configuration Space Mapping
		181	RGB-D Sensörler ile İç Mekan Haritalaması
		184	A Day Ahead Hourly Solar Radiation Forecasting by Artificial Neural Networks: A Case Study for Trabzon Province
COMPUTER VISION/ROBOTICS	PINK HALL Chair:Fatih Kocamaz	235	Non-Local Means Based Image Enhancement on Coronary Angiography Images
		93	Randomized feed-forward artificial neural networks in estimating short-term power load of a small house: a case study
		162	Visual Servoing Based Path Planning for Wheeled Mobile Robot in Obstacles Environments
		172	A Novel Approach Based on Image Processing Algorithms for Microaneurysm Candidate Detection
		193	Variable Window Size for Stereo Image Matching Based on Edge Information
		221	A New Rail Inspection Method Based on Deep Learning Using Laser Cameras
		227	Dinamik Gözbakışı Analizi Yüzyüze İletişim için bir Uygulama Ortamı
266	A Survey of Robotic Agent Architectures		
TEA/COFFEE BREAK (10:00-10:15)			

17.09.2017- SUNDAY

10:30-12:00		PAPER ID	PAPER TITLE
COMPUTER VISION/ROBOTICS	MAIN HALL Chair: B. Baykan Alagöz	277	Sosyal Ağlarda Yazılan Mesajlardaki Kısaltma ve İmla Hatalı Kelimelerin Karınca Kolonisi Optimizasyon Algoritması ile Düzenlenmesi
		94	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine
		77	Horlama İşaretlerinden Uyku Apnesi Teşhisinde Yeni Bir Yaklaşım: Üçlü Desen Yöntemi
		243	Bölge-tabanlı Aktif Kontur ve Sınıflandırma ile BTA Görüntülerinden Karotid Arterlerin Bölütlenmesi
		155	Design of an Autonomous Mobile Robot Based on ROS
		252	A Real Time Interface for Vision Inspection of Rail Components and Surface in Railways
		228	Development of the MarmaROV Remotely Operated Underwater Vehicle System
ARTIFICIAL INTELLIGENCE	ORANGE HALL Chair: Ali Karcı	101	Multi-Source Energy Mixing for Renewable Energy Microgrids by Particle Swarm Optimization
		269	Twitter Reveals: Using Twitter data to predict major protests
		296	Stokastik Dereceli Alçalma Yöntemi Temelli Optimizasyon Tekniklerinin Karşılaştırılması
		312	Kemik Kırıklarının Görüntü İşleme Teknikleri ve Yapay Sinir Ağları ile Tespiti
		259	FGATool for Time and Frequency Analysis of Systems with Uncertainties
		313	Akıllı Telefonlar için Geliştirilmiş Hafif Siklet Veri Gizleme Uygulaması
		297	A New Real Time Edge Control Approach Based on Image Processing in Paper and Packaging Production
INFORMATION SECURITY//SOCIAL NETWORKS	BLUE HALL Chair: Bilal Şenol	25	Spam SMS'lerin filtrelenmesinde için yeni bir yaklaşım ve Android Uygulaması
		104	Intrusion Detection in Computer Networks via Machine Learning Algorithms
		246	Yazılım Geliştirme Sürelerinin Analizi: Zorluklar, Tasarım Prensipleri ve Tekniksel Yaklaşımlar
		303	Ağ İletişiminde Veri Gizleme
		293	Yapay Atom Algoritması Kullanarak Bireye Özgü Öğün Programlı Beslenme Çizelgesi Hazırlanması
		102	Üç Serbestlik Dereceli Kuadroptör Kontrolü için LQR Ağırlık Matrislerinin Optimizasyonu
		308	Doğal Dil İşleme Yaklaşımları ile Yapısal Olmayan Dökümanların Benzerliği
Online Presentation	PINK HALL Chair: M. Fatih Talu	32	An Iterative Dynamic Ensemble Weighting Approach for Deep Learning Applications
		272	Classification of Parkinson Speech Data by Metric Learning
		142	A Design of Fuzzy Logic Based Android Application for Safe Driving
		140	The Analysis of RCS of Winged Almond Model with Ammunition and without Ammunition
		254	Multi-Tenant Architectures in the Cloud: A Systematic Mapping Study
		208	Fading Intelligence Theory: A Theory on Keeping Artificial Intelligence Safety for the Future
		318	Makine Öğrenmesi Sistemi ile Görüntü İşleme ve En Uygun Parametrelerin Ayarlanması

LUNCH BREAK (12:00-13:30)

17.09.2017- SUNDAY

13:30-15:15		PAPER ID	PAPER TITLE
DATA PROCESSING	MAIN HALL Chair: M. Oğuz Şen	61	Big Data Framework for Rail Inspection
		215	Collaboration Network Analysis of Turkey in Regional Basis
		216	Collaboration Graph as a New Graph Definition Approach
		238	Makine Öğrenmesi Araçları Üzerine Bir İnceleme
		150	A Fast and Simple Metaheuristic Method to Reach the Global Optimum in the Field of Experimental Sciences
		262	Classification of Makam Structures in Turkish Art Music with Using Artificial Neural Network
		263	Web Tabanlı Bir Görüntü İşleme Uygulaması: Diyabet Şiddetini Derecelendirme
IMAGE/SIGNAL PROCESSING	ORANGE HALL Chair: Ali Arı	127	Analysis of Complex Extreme Learning Machine-based Nonlinear Equalizer for Coherent Optical OFDM Systems
		244	Diferansiyel Gelişim Algoritması ile 154 kV Malatya İletim Hattının Yük Akış Analizi
		169	A Smart Dermoscope Design Using Artificial Neural Network
		165	Ayrık Kosinüs Dönüşümü ve Ayrık Dalgacık Dönüşümü Tabanlı Çoklu Resim Damgalama Yöntemi
		177	Sleep Stage Classification by Ensemble Learning Methods with Active Sample Selection Techniques
		183	Investigating the Effect of Number of Users on Signal Strength Level and Throughput for Wi-Fi System
		185	ZF and MMSE APPLICATION for FBMC-QAM
PATTERN RECOGNITION	BLUE HALL Chair: Fatih Okumuş	116	A New IoT Combined Face Detection of People by Using Computer Vision for Security Application
		145	A Vision based Inspection System using Gaussian Mixture Model based Interactive Segmentation
		192	Robotic Hand Grasping of Objects Classified by Using Support Vector Machine and Bag of Visual Words
		203	Comparison of Software Defined Radio and Add-on Board Hands-on Applications on Education of Analog Modulation Techniques
		214	Leaf Recognition based on Artificial Neural Network
		220	AUTOMATIC OFF-LINE SIGNATURE RECOGNITION AND VERIFICATION SYSTEM WITH MACHINE LEARNING METHOD
		232	EEG İşaretleri ile Epilepsinin Otomatik Tanısı
Online Presentations	PINK HALL Chair: M. Fatih Talu	319	Feature Selections for the Machine Learning based Detection of Phishing Websites
		126	A Metamodel-based Search Engine for Document Management Systems
		128	Big Data Aware Diabetes Management: Requirements, Solutions and Reviews
		89	Ulaşım türü tespiti için yeni bir yaklaşım: t-SNE Manifold Öğrenme ve Destek Vektör Makinesi'nin Kombine Edilmesi
		149	Characterization of Individual Retinal Ganglion Cell Responses Using K-Means Clustering Method
		163	Ses İşaretinin Doğrusal Blok Kodlanmış EBGK Kanalından Farklı Kipleme Teknikleri ve Dalgacık Dönüşümü Kullanılarak İletilmesi
		224	Balina Optimizasyon Algoritması ve Yapay Sinir Ağı ile Öznitelik Seçimi

TEA/COFFEE BREAK (15:00-15:30)

17.09.2017- SUNDAY

15:30-17:00		PAPER ID	PAPER TITLE
SIGNAL PROCESSING/ROBOTICS/COM PUTER VISION	MAIN HALL Chair:Emrah Dönmez	305	Path Planning for Nonholonomic Mobile Robot Based On Bezier Curve
		320	Power Delay Product Optimized Hybrid Full Adder Circuits
		292	Kortikal Spindle Salınım Aktivitesinin Oluşumunda ve Senkronizasyonunda Talamik Projeksiyonların Rolünün Model Temelli İncelenmesi
		291	Hibrit Parçacık Sürü Optimizasyonu Kullanarak Harmonik Kestirici Tasarımı-Harmonic Estimator Design using Hybrid Particle Swarm Optimization
		288	Machine Vision based Defect Detection Approach using Image Processing
		222	An adaptive noise canceller based on QLMS algorithm for removing EOG artifacts in EEG Recordings
		273	Bir Ortamdaki Elektrik Alan Şiddetini Oluşturan Kaynakların Yapay Sinir Ağı Yardımıyla Belirlenmesi
		DATA MINING/SOFT COMPUTING	ORANGE HALL Chair:Emin Tağluk
264	Classification of Road Curves and Corresponding Driving Profile via Smartphone Trip Data		
289	Frequency Pattern Mining For Community Detection on the Internet Logs		
173	Şebeke etkileşimli eviriciler için SRF-PLL ve DDSRF-PLL yöntemlerinin performans analizi		
141	A Rule based Fuzzy Gesture Recognition System to Interact with Sphero 2.0 using a Smart Phone		
130	Akıllı Bir Ulaşım Sistemi Olarak Trambüsün Sefer Saatlerinin Düzenlenmesi		
323	Videolarda Doku ve Renk Analizi Kullanılarak Duman Tespiti		
COMPUTER VISION/IMAGE PROCESSING	BLUE HALL Chair: Celaleddin Yeroğlu	237	BirlikteKuralı ile Elde Edilen Veri Grupları için YSA ile Uygulamalı Tahmin Gerçekleştirimi
		110	Classification of Hand Opening/Closing and Fingers by Using Two Channel Surface EMG Signal
		182	Symbolic Pole Assignment of 2DoF Conventional Helicopter
		225	Artificial Immune System Optimization Based Duplex Kinect Skeleton Fusion
		251	Darbeli Yapay Sinir Ağları Uygulamaları
		260	Fractional Order Stability of Systems
		229	Recent Keypoint Based Copy Move Forgery Detection Techniques
Online Presentations	PINK HALL Chair: M.Fatih Tatlı	314	A Decision Trees Approach to Oil Price Prediction
		315	An artificial neural network model for predicting building heating and cooling loads
		316	Evaluation of Machine Learning Classification Algorithms & Missing Data Imputation Techniques
		24	Face Recognition by Distance and Slope between Facial Landmarks
		275	Yılanı Robotlarda Frekans Değişiminin Hareket Hızına Etkisi
		92	2D Coverage Analysis of Sensor Networks with Random Node Deployment
167	N-gram Based Approach to Recognize the Twitter Accounts of Turkish Daily Newspapers		