

2018 Innovations in Intelligent Systems and Applications Conference (ASYU 2018)

**Adana, Turkey
4-6 October 2018**



**IEEE Catalog Number: CFP18Q70-POD
ISBN: 978-1-5386-7787-2**

**Copyright © 2018 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP18Q70-POD
ISBN (Print-On-Demand):	978-1-5386-7787-2
ISBN (Online):	978-1-5386-7786-5

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

Use of Support Vector Machines to Predict the Success of Wart Treatment Methods <i>Rukiye Uzun, Yalçın İşler, Mualla Toksan</i>	1
Effect of Feature Selection by Genetic Algorithm on Early Prediction Performance of PAF Attack <i>Ali Narin, Yalçın İşler, Mahmut Özer</i>	5
Words, Meanings, Characters in Sentiment Analysis <i>Mehmet Fatih Amasyalı, Hakan Taşköprü, Kübra Çalışkan</i>	9
Rule-Based Determination of Chinese tourists to Turkey Opt Profile <i>Muhammed Kürşad Uçar, İbrahim Topal</i>	15
Determination of 1 DOF Elbow Angles by using EEG Signals <i>Şefika İpek Lök, Ahmet Özkurt</i>	19
Feature Selection and Classification of EEG Finger Movement Based on Genetic Algorithm <i>Mohand lokman Al dabag, Nalan Özkurt, Shaima Miqdad Mohamed Najeeb</i>	24
Classification of EEG Records for the Cursor Movement with the Convolutional Neural Network <i>Ömer Türk, Mehmet Siraç Özerdem</i>	29
Sentiment Analysis with Turkish Adjective Dictionary <i>İslam Mayda, Mehmet Korkmaz</i>	33
Automatic Detection of Emotional State from EEG Signal by Gamma Coherence Approach <i>Hasan Polat, Mehmet Siraç Özerdem</i>	39
Measurement of Situational Awareness In The Supervisory Tasks <i>Tuba Aydın, Mehmet Göktürk</i>	43
A Comprasion of Productivity for Single, Dual and Wide Screens <i>Havva Tuğba Akgöz, Mehmet Göktürk</i>	49
Detection of Spam E-mails with Machine Learning Methods <i>Hamdullah Karamollaoğlu, İbrahim Alper Doğru, Murat Dörterler</i>	55
Feature Selection with Artificial Bee Colony Algorithm on Z-Alizadeh Sani Dataset <i>Ümit Kılıç, Mümine Kaya Keleş</i>	60
Derin UKVH Ağ Modeli Kullanarak Bölgesel Deprem Tahmini <i>Şeriban Balkasoğlu, Özal Yıldırım</i>	63
Derin Sinir Ağları ile Entegre Günlük Tava Buharlaşma Modeli <i>Özlem Terzi, Ecir Uğur Küçükşille, Onur Özcanoglu</i>	68
Obtaining Brachistochrone Curve With Metaheuristic Algorithms <i>Kıvanç Güçkıran, Tülay Yıldırım</i>	71
Estimating the School Dropout Trend by Using Data Mining Methods <i>Ahmet Elbir, Egehan Gündüz, Banu Diri</i>	76
Protein-drug Binding Analysis Using Change Detection on Binding Site Images <i>Özlem Erdaş, Özge Öztimur Karadağ</i>	80
Analysis of English Language Groups with Regular Expressions <i>İsmail Duru, Banu Diri, M. Emir Özçevik, Kerim Ataseven, Gülistan Doğan, Su White</i>	84
Image Classification of Aerial Images Using CNN-SVM <i>Mert Çopur, Buse Melis Özyıldırım, Turgay İbrikçi</i>	89
Using Fuzzy Sets for Detecting Cyber Terrorism and Extremism in the Text <i>Vahide Nida Uzel, Esra Saraç Eşsiz, Selma Ayşe Özel</i>	95
Classification of New Titles by Two Stage Latent Dirichlet Allocation <i>Zekeriya Anıl Güven, Banu Diri, Tolgahan Çakaloğlu</i>	99

Geometric Methods in Deep Learning <i>İnan Ünal, Özal Yıldırım</i>	104
İşaret Dili Tanımada Evrişimsel Sinir Ağı Parametrelerinin Etkisi <i>Osman Oğuzhan Savaş, Tülay Yıldırım</i>	110
Performance Analysis of Relatively New Nature Inspired Computing Algorithms <i>Mustafa Oral, Sultan Sevgi Turgut</i>	114
Neural Network Based Detection Technique for Eccentricity Fault in LSPMS Motors <i>Ibrahim M. Hussein, Zakariya Al-Hamouz</i>	120
Performance Analysis of Nature Inspired Computing Algorithms Under Hard Restrictions <i>Mustafa Oral, Sultan Sevgi Turgut</i>	125
Evaluation of Performance of Adaptive and Hybrid ABC (aABC) Algorithm in Solution of Numerical Optimization Problems <i>Derviş Karaboğa, Ebubekir Kaya</i>	130
Music Genre Classification and Recommendation by Using Machine Learning Techniques <i>Ahmet Elbir, Hilmi Bilal Çam, Mehmet Emre İyican, Berkay Öztürk, Nizamettin Aydın</i>	135
Hourly Solar Irradiation Prediction by Artificial Neural Network Based on Similarity Analysis of Time Series <i>Ahsen Ulutaş, Recep Çakmak, İsmail Hakkı Altaş</i>	140
A Comparative Study for Image Fusion <i>Mustafa Oral, Sultan Sevgi Turgut</i>	146
Realization of Keyboard Instruments on Mobile Platform with Mixed Reality <i>Eren Çelik, Aydın Çetin</i>	152
A Power Managament Application For Smart Grids <i>Burcu Keskin, Tuğba Nur Avcı, Kerim Dinçer, İsmail Hakkı Altaş</i>	157
The Effect of POS Tag Information on Sentence Boundary Detection in Turkish Texts <i>Yasin Bektaş, Selma Ayşe Özel</i>	161
Prediction of Students' Academic Success Using Data Mining Methods <i>Vahide Nida Uzel, Sultan Sevgi Turgut, Selma Ayşe Özel</i>	166
Fuzzy Logic Based Lighting System Supported with IoT for Renewable Energy Resources <i>Seda Nur Altun, Murat Dörterler, İbrahim Alper Doğru</i>	171
Fuzzy – PI Based MPPT Control for Photovoltaic Systems <i>Ö. Fatih Keçecioğlu, Hakan Açıkgöz, Ahmet Gani</i>	175
Deep Learning on Mobile Systems <i>Nur Çürükoğlu, Buse Melis Özyıldırım</i>	179
Simplified Visual Cortex Model for Pattern Recognition <i>Can Çevikbaş, Tülay Yıldırım</i>	183
Handwritten Digits Classification with Generalized Classifier Neural Network <i>Buse Melis Özyıldırım, Mutlu Avcı</i>	187
Author Index	190