

Turkish Journal of Electrical Engineering and Computer Sciences

Volume 28 | Number 3

Article 41

1-1-2020

Cover and Contents

Follow this and additional works at: <https://journals.tubitak.gov.tr/elektrik>

Recommended Citation

(2020) "Cover and Contents," *Turkish Journal of Electrical Engineering and Computer Sciences*: Vol. 28: No. 3, Article 41. Available at: <https://journals.tubitak.gov.tr/elektrik/vol28/iss3/41>

This Cover and Contents is brought to you for free and open access by TÜBİTAK Academic Journals. It has been accepted for inclusion in Turkish Journal of Electrical Engineering and Computer Sciences by an authorized editor of TÜBİTAK Academic Journals. For more information, please contact academic.publications@tubitak.gov.tr.

VOLUME | ISSUE | YEAR
28 | 3 | 2020
ISSN 1300-0632 • E-ISSN 1303-6203

TURKISH JOURNAL OF
**ELECTRICAL
ENGINEERING
& COMPUTER
SCIENCES**

<http://journals.tubitak.gov.tr/elektrik/>



Published by the Scientific and
Technological Research Council of Turkey

TÜBİTAK

TURKISH JOURNAL OF ENGINEERING & COMPUTER SCIENCES

Editor-in-Chief

Muhammet Uzuntarla
Bülent Ecevit University, Turkey

VOLUME 28 • ISSUE 3 • 2020

ISSN 1300-0632 • E-ISSN 1303-6203

Assistant Editor in Chief

Fatih DİKMEN
Gebze Technical University, Turkey

Assistant Editor in Chief

Ahmet Mete VURAL
Gaziantep University, Turkey

SCOPE

- The Turkish Journal of Electrical Engineering & Computer Sciences is published electronically 6 times a year by the Scientific and Technological Research Council of Turkey (TÜBİTAK)
- Accepts English-language manuscripts in the areas of power and energy, environmental sustainability and energy efficiency, electronics, industry applications, control systems, information and systems, applied electromagnetics, communications, signal and image processing, tomographic image reconstruction, face recognition, biometrics, speech processing, video processing and analysis, object recognition, classification, feature extraction, parallel and distributed computing, cognitive systems, interaction, robotics, digital libraries and content, personalized healthcare, ICT for mobility, sensors, and artificial intelligence.
- Contribution is open to researchers of all nationalities.

ABSTRACTED

- Science Citation Index Expanded
 - Scopus
 - Academic Search Complete
 - Inspec
-

EDITORIAL BOARD

- Ahmet Mete VURAL, Gaziantep University, Turkey
- Ahmet TEKE, Çukurova University, Turkey
- Ali BOZBEY, TOBB ETU, Turkey
- Ali KARA, Atilim University, Turkey
- Ali TOKER, İstanbul Technical University, Turkey
- Alptekin KÜPÇÜ, Koç University, Turkey
- Arzucan ÖZGÜR, Boğaziçi University, Turkey
- Baha ŞEN, Yıldırım Beyazıt University, Turkey
- Behçet Uğur TÖREYİN, İstanbul Technical University, Turkey
- Berrin YANIKOĞLU, Sabancı University, Turkey
- Burcu CAN, Hacettepe University, Turkey
- Cemal YILMAZ, Sabancı University, Turkey
- Cihan KARAKUZU, Bilecik Şeyh Edibali University, Turkey
- Dinçer GÖKÇEN, Hacettepe University, Turkey
- Duygun Erol BARKANA, Yeditepe University, Turkey
- Emin ANARIM, Boğaziçi University, Turkey
- Enver EVER, Middle East Technical University, Turkey
- Erdoğan DOĞDU, Çankaya University, Turkey
- Ergin YILMAZ, Bülent Ecevit University, Turkey
- Ergun ERÇELEBİ, Gaziantep University, Turkey
- Fırat HARDALAÇ, Gazi University, Turkey
- Fikret ÇALIŞKAN, İstanbul Technical University, Turkey
- Fuat AKAL, Hacettepe University, Turkey
- Gönenç ERCAN, Hacettepe University, Turkey
- Gülşen CEBİROĞLU ERYİĞİT, İstanbul Technical University, Turkey
- Güneş Zeynep KARABULUT KURT, İstanbul Technical University, Turkey
- Günhan DÜNDAR, Boğaziçi University, Turkey
- İbrahim ALIŞKAN, Bülent Ecevit University, Turkey
- İbrahim Beklan KÜÇÜKDEMİRAL, Glasgow Caledonian University, United Kingdom
- İsa YILDIRIM, İstanbul Technical University, Turkey
- İstemihan GENÇ, İstanbul Technical University, Turkey
- Jafar A. ALZUBI, Al-Balqa Applied University, Jordan
- Josep M. GUERRERO, Aalborg University, Denmark
- Kamil Çağatay BAYINDIR, Yıldırım Beyazıt University, Turkey
- Kemal OFLAZER, Carnegie Mellon University in Qatar, Qatar
- Kemal POLAT, Abant İzzet Baysal University, Turkey
- Klaus Werner SCHMIDT, Middle East Technical University, Turkey
- Matjaz PERC, University of Maribor, Slovenia
- Mehmet Kemal LEBLEBİCİOĞLU, Middle East Technical University, Turkey
- Mehmet Timur AYDEMİR, Gazi University, Turkey
- Murat GÖL, Middle East Technical University, Turkey
- Mustafa Caner AKÜNER, Marmara Üniversitesi, Turkey
- Oğuzhan URHAN, Kocaeli University, Turkey
- Onur KAYA, Işık University, Turkey
- Osman PARLAKTUNA, Eskişehir Osmangazi University, Turkey
- Ömer DÖNMEZ, İstanbul University, Turkey
- Ömer Nezih GEREK, Anadolu University, Turkey
- Ömer USTA, İstanbul Technical University, Turkey
- Özgür ERTUĞ, Gazi Üniversitesi, Turkey
- Özlem ÖZGÜN, Hacettepe University, Turkey
- Ramazan BAYINDIR, Gazi University, Turkey
- Resul ÇÖTELİ, Fırat University, Turkey
- Resul DAŞ, Fırat University, Turkey
- Rıfat HACIOĞLU, Bülent Ecevit University, Turkey
- Sedat AKLEYLEK, Ondokuz Mayıs University, Turkey
- Şenan Ece G. SCHMIDT, Middle East Technical University, Turkey
- Tamer ÖLMEZ, İstanbul Technical University, Turkey
- Temel KAYIKÇIOĞLU, Karadeniz Technical University, Turkey
- Tuğrul ÇAVDAR, Karadeniz Technical University, Turkey
- Tunga GÜNGÖR, Boğaziçi University, Turkey
- Ümit GÜZ, Işık University, Turkey
- Yalçın İŞLER, İzmir Katip Çelebi University, Turkey
- Z. Hakan AKPOLAT, Fırat University, Turkey
- Zeydin PALA, Muş Alparslan University, Turkey
- Zeynep Yasemin KAHYA, Boğaziçi University, Turkey

CONTENTS

Lattice-reduction aided multiple-symbol differential detection in two-way relay transmission	1208
Chanfei WANG, Minghua CAO	
A population based simulated annealing algorithm for capacitated vehicle routing problem	1217
İlhan İLHAN	
Comparisons of extreme learning machine and backpropagation-based i-vector approach for speaker identification	1236
Musab T.S. Al-KALTAKCHI, Raid R. O. AL-NIMA, Mohammed A.M. ABDULLAH	
Emulation of burst-based adaptive link rates in NetFPGA towards green networking	1246
Shahul Hamead HAJA MOINUDEEN, Mirnalinee THANGANADAR THANGATHAI, Kavi Priya DHANDAPANI	
Design of a spurious-free RF frequency synthesizer for fast-settling receivers	1264
Hilmi Kayhan YILMAZ, Serkan TOPALOGLU	
Optimization of real-world outdoor campaign allocations	1276
Fatmanur AKDOĞAN, Doğan ALTAN, Ercan PEKER, Altuğ ÜSTÜN Sanem SARIEL	
Adjustable testing setup for a single-loop optoelectronic oscillator with an electrical bandpass filter	1293
Mehmet Alp ILGAZ, Andrej LAVRIC, Temitope ODEDEYI, Izzat DARWAZEH, Bostjan BATAGELJ	
Analysis of acoustic sensor placement for PD location in power transformer	1303
Khairul Nadiah KHALID, Muhammad Nur Khairul Hafizi ROHANI, Baharuddin ISMAIL, Muzamir ISA, Chai Chang YII, Wan Nurul Auni Wan MUHAMMAD	
Combined analytic hierarchy process and binary particle swarm optimization for multiobjective plug-in electric vehicles charging coordination with time-of-use tariff	1314
Junaid Bin Fakhru ISLAM, Mir Toufikur RAHMAN, Hazlie MOKHLIS, Mohamadarif OTHMAN, Tengku Faiz TENGKU MOHMED NOOR IZAM, Hasmainsi MOHAMAD	
A fully batteryless multiinput single inductor single output energy harvesting architecture	1331
Ridvan UMAZ	
An arbitrary waveform magnetic nanoparticle relaxometer with an asymmetrical three-section gradiometric receive coil	1344
Can Barış TOP	
Low harmonic 12-pulse rectifier with a circulating current shaping circuit	1355
Jingfang WANG, Xuliang YAO, Qi GUAN, Changji DENG, Shiyang YANG	
Deep temporal motion descriptor (DTMD) for human action recognition	1371
Nudrat NIDA, Muhammad Haroon YOUSAF , Aun IRTAZA, Sergio A. VELASTIN	

Peak shaving and technical loss minimization in distribution grids: a time-of-use-based pricing approach for distribution service tariffs	1386
Osman Bülent TÖR, Mahmut Erkut CEBECİ, Mehmet KOÇ, Saeed TEIMOURZADEH, Deren ATLI, Simona Vasilica OPREA, Adela BARA	
The impact of text preprocessing on the prediction of review ratings	1405
Muhittin IŞIK, Hasan DAĞ	
Deep neural network based m-learning model for predicting mobile learners' performance	1422
Muhammad ADNAN, Asad HABIB, Jawad ASHRAF, Shafaq MUSSADIQ, Arsalan ALI RAZA	
Comparative analysis of classification techniques for network fault management	1442
Mohammed MADI, Fidaa JARGHON, Yousef FAZEA, Omar ALMOMANI, Adeeb SAAIDAH	
Feature points-based image registration between satellite imagery and aerial images of agricultural land	1458
Mohsin ABBAS, Sajid SALEEM, Fazli SUBHAN, Abdul BAIS	
Implicit relation-based question answering to answer simple questions over DBpedia	1474
Maryam JAMEHSHOURANI, Afsaneh FATEMI, MohammadAli NEMATBAKHS	
Fault identification of catenary dropper based on improved CapsNet	1491
Jianpeng BIAN, Jiaying HAO, Shuai ZHAO, Weijing HUA, Shichuang GAO	
Analysis of condition number and position estimation error for multiangulation position estimation system	1503
Sa'id Musa YARIMA, Ahmad Zuri SHA'AMERI, Abdulmalik Shehu YARO	
Combining metadata and co-citations for recommending related papers	1519
Shahbaz AHMAD, Muhammad Tanvir AFZAL	
A fabrication-oriented remeshing method for auxetic pattern extraction	1535
Levend Mehmet MERT, Ulas YAMAN, Yusuf SAHİLLİOĞLU	
A high-level and adaptive metaheuristic selection algorithm for solving high dimensional bound-constrained continuous optimization problems	1549
Osman GÖKALP, Aybars UĞUR	
User profiling for TV program recommendation based on hybrid television standards using controlled clustering with genetic algorithms and artificial neural networks	1567
İhsan TOPALLI, Selçuk KILINÇ	
A spreadsheet-based decision support system for examination timetabling	1584
Mehmet Güray GÜLER, Ebru GEÇİCİ	
Two novel radar detectors for spiky sea clutter with the presence of thermal noise and interfering targets	1599
Nouh GUIDOUM, Faouzi SOLTANI, Amar MEZACHE	
Nonlinear adaptive semiactive control of a half-vehicle model via hardware in the loop simulation .	1612
Mahmut PAKSOY, Muzaffer METİN	

Selective personalization and group profiles for improved web search personalization	1631
Samira KARIMI MANSOUB, Gönenç ERCAN, İlyas ÇİÇEKLİ	
A new semiempirical model determining the dielectric characteristics of citrus leaves for the remote sensing at C band	1644
Abdullah GENÇ, Habib DOĞAN, İbrahim Bahadır BAŞYİĞİT	
An optimized FPGA design of inverse quantization and transform for HEVC decoding blocks and validation in an SW/HW environment	1656
Ahmed BEN ATITALLAH, Manel KAMMOUN, Rabie BEN ATITALLAH	
Wideband patch array antenna using superstrate configuration for future 5G applications	1673
Sidra FARHAT, Farzana ARSHAD, Yasar AMIN, Jonathan LOO	
On efficient computation of equilibrium under social coalition structures	1686
Buğra ÇAŞKURLU, Özgün EKİCİ, Fatih Erdem KIZILKAYA	
Investigating the efficiency of multithreading application programming interfaces for parallel packet classification in wireless sensor networks	1699
Mahdi ABBASI, Milad RAFIEE, Mohammad R. KHOSRAVI	
Human activity recognition by using MHIs of frame sequences	1716
Saeedeh ZEBHI, SMT AIMODARRESI, Vahid ABOOTALEBI	
A GA-based adaptive mechanism for sensorless vector control of induction motor drives for urban electric vehicles	1731
Asma BOULMANE, Youssef ZIDANI, Driss BELKHAYAT, Marouane BOUCHOUIRBAT	
A template-based code generator for web applications	1747
Burak UYANIK, Veysel Harun ŞAHİN	
Experimental and predicted XLPE cable insulation properties under UV radiation	1763
Abdallah HEDIR, Ali BECHOUCHE, Mustapha MOUDOUD, Madjid TEGUAR, Omar LAMROUS, Sébastien RONDOT	
Plane wave diffraction by strip with an integral boundary condition	1776
Kamil KARAÇUHA, Vasil TABATADZE, Eldar Ismailovich VELIEV	
An alternative method of biomedical signal transmission through the GSM voice channel	1791
Seyedmohsen DEGHANOJAMAHALLEH, Mehmet KAYA	