



7-1-2022

## Cover and Contents

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

---

### Recommended Citation

(2022) "Cover and Contents," *Turkish Journal of Electrical Engineering and Computer Sciences*: Vol. 30: No. 5, Article 22. Available at: <https://journals.tubitak.gov.tr/elektrik/vol30/iss5/22>

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](mailto:academic.publications@tubitak.gov.tr).

VOLUME | ISSUE | YEAR  
30 | 5 | 2022  
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

<b>Editor-in-Chief</b>	Muhammet Uzuntarla Gebze Technical University, Turkey
<b>Assistant Editor in Chief</b>	Sedat AKLEYLEK Ondokuz Mayıs University, Turkey
<b>Assistant Editor in Chief</b>	Ahmet Mete VURAL Gaziantep University, Turkey

**VOLUME 30 • ISSUE 5 • 2022**  
ISSN 1300-0632 • E-ISSN 1303-6203

## 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.

## EDITORIAL BOARD

- Akın TAŞCIKARAOĞLU, Muğla Sıtkı Koçman University, Turkey
- Ali KARA, Gazi University, Turkey
- Ali TOKER, İstanbul Technical University, Turkey
- Alptekin KÜPÇÜ, Koç University, Turkey
- Baha ŞEN, Yıldırım Beyazıt University, Turkey
- Berrin YANIKOĞLU, Sabancı University, Turkey
- Birkan YILMAZ, Boğaziçi University, Turkey
- Burcu CAN, University of Wolverhampton, United Kingdom
- Bülent YILMAZ, Abdullah Gül University, Turkey
- Cengiz ACARTÜRK, Middle East Technical University, Turkey
- Cengiz KAHRAMAN, İstanbul Technical University, Turkey
- Cihan KARAKUZU, Bilecik Şeyh Edipali University, Turkey
- Emin ANARIM, Boğaziçi University, Turkey
- Emin Erkan KORKMAZ, Yeditepe University, Turkey
- Emre AKBAŞ, Middle East Technical University, Turkey
- Emre SARIYILDIZ, University of Wollongong, Australia
- Enver EVER, Middle East Technical University, Turkey
- Erdoğan DOĞDU, Angelo State University, U.S.A.
- Ergun ERÇELEBİ, Gaziantep University, Turkey
- Hakan KUTUCU, Karabük University, Turkey
- Hasan Fatih UĞURDAĞ, Özyeğin University, Turkey
- İbrahim Beklan KÜÇÜKDEMİRAL, Glasgow Caledonian University, United Kingdom
- Josep M. GUERRERO, Aalborg University, Denmark
- Kemal OFLAZER, Carnegie Mellon University in Qatar, Qatar
- Koray KAYABOL, Gebze Technical University, Turkey
- Korkut YEĞİN, Ege University, Turkey
- Matjaz PERC, University of Maribor, Slovenia
- Mehmet DEMİRCİ, Gazi University, Turkey
- Mehmet KARAKÖSE, Fırat University, Turkey
- Mehmet Kemal LEBLEBİCİOĞLU, Middle East Technical University, Turkey
- Mehmet Önder EFE, Hacettepe University, Turkey
- Mehmet Sıddık AKTAŞ, Yıldız Technical University, Turkey
- Merih PALANDÖKEN, Katip Çelebi University, Turkey
- Murat GÖL, Middle East Technical University, Turkey
- Murat KARAKUŞ, Bayburt University, Turkey
- Mustafa Alper SELVER, Dokuz Eylül University, Turkey
- Mustafa Servet KIRAN, Konya Technical University, Turkey
- Nazlı İKİZLER CİNBİŞ, Hacettepe University, Turkey
- Nur Hüseyin KAPLAN, Erzurum Technical University, Turkey
- Ozan ERDİNÇ, Yıldız Technical University, Turkey
- Ömer Neziğ GEREK, Anadolu University, Turkey
- Pınar KARAGÖZ, Middle East Technical University, Turkey
- Raif BAYIR, Karabük University, Turkey
- Ramazan BAYINDIR, Gazi University, Turkey
- Rifat HACIOĞLU, Bülent Ecevit University, Turkey
- Şaban ÖZTÜRK, Amasya University, Turkey
- Sema CANDEMİR, Eskişehir Technical University, Turkey
- Şenan Ece G. SCHMIDT, Middle East Technical University, Turkey
- Temel KAYIKÇIOĞLU, Karadeniz Technical University, Turkey
- Tolgay KARA, Gaziantep University, Turkey
- Tuğrul ÇAVDAR, Karadeniz Technical University, Turkey
- Tunga GÜNGÖR, Boğaziçi University, Turkey
- Ümmühan Başaran FİLİK, Eskişehir Technical University, Turkey
- Yasin KABALCI, Niğde Ömer Halisdemir University, Turkey

## ABSTRACTED

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

# CONTENTS

Comparative study of a bidirectional multi-phase multiinput converter for electric vehicles .....	1677
<b>Furkan AKAR, Murat KALE, Sebahattin YALÇIN, Gözde TAŞ</b>	
Actor-critic reinforcement learning for bidding in bilateral negotiation .....	1695
<b>Furkan ARSLAN, Reyhan AYDOĞAN</b>	
On the performance analysis of flexible pairing between UAV and GU in NOMA .....	1715
<b>Man Hee LEE, Soo Young SHIN</b>	
A novel hybrid algorithm for morphological analysis: artificial Neural-Net-XMOR .....	1726
<b>Ayla KAYABAŞ, Ahmet E. TOPCU, Özkan KILIÇ</b>	
Content loss and conditional space relationship in conditional generative adversarial networks .....	1741
<b>Enes EKEN</b>	
Using a static naming approach to implement remote scope promotion .....	1758
<b>Ayşe YILMAZER-METİN</b>	
A concept for weighting sentiment phrase using deterministic solution of algebraic equations .....	1773
<b>Maryam JALALI, Morteza ZAHEDI, Abdolali BASIRI</b>	
Development of a hybrid system based on ABC algorithm for selection of appropriate parameters for disease diagnosis from ECG signals .....	1788
<b>Ersin ERSOY, Erkan BOSTANCI, Mehmet Serdar GÜZEL</b>	
Breast cancer-caps: a breast cancer screening system based on capsule network utilizing the multiview breast thermal infrared images .....	1804
<b>Devanshu TIWARI, Manish DIXIT, Kamlesh GUPTA</b>	
Automatic keyword assignment system for medical research articles using nearest-neighbor searches .....	1821
<b>Fatih DİLMAÇ, Adil ALPKOÇAK</b>	
Analysis of tissue electrical properties on bio-impedance variation of upper limbs .....	1839
<b>Enver SALKIM</b>	
A new automatic bearing fault size diagnosis using time–frequency images of CWT and deep transfer learning methods .....	1851
<b>Yılmaz KAYA, Fatma KUNCAN, H. Metin ERTUNÇ</b>	
Degree-based random walk approach for graph embedding .....	1868
<b>Sarmad N. MOHAMMED, Semra GÜNDÜÇ</b>	
Generating ad creatives using deep learning for search advertising .....	1882
<b>Kevser Nur ÇOĞALMIŞ, Ahmet BULUT</b>	
Transmorph: a transformer based morphological disambiguator for Turkish .....	1897
<b>Hilal ÖZER, Emin Erkan KORKMAZ</b>	
Learning term weights by overfitting pairwise ranking loss .....	1914
<b>Ömer ŞAHİN, İlyas ÇİÇEKLİ, Gönenç ERCAN</b>	
Automated question generation and question answering from Turkish texts .....	1931
<b>Fatih Çağatay AKYÖN, Devrim ÇAVUŞOĞLU, Cemil CENGİZ</b>	

Packet-level and IEEE 802.11 MAC frame-level analysis for IoT device identification .....	1941
<b>Rajarshi Roy Chowdhury, Azam Che Idris, Pg Emeroylariffion Abas</b>	
Prediction of broken rotor bar in induction motor using spectral entropy features and TLBO optimized SVM .....	1962
<b>Sudip HALDER, Sunil BHAT, Bimal DORA</b>	
A deep learning based system for real-time detection and sorting of earthworm cocoons .....	1980
<b>Ali ÇELİK, Sinan UĞUZ</b>	
Design and implementation of a bioinspired leaf shaped hybrid rectenna as a green energy manufacturing concept .....	1995
<b>Kayhan ÇELİK, Erol KURT</b>	