

Asst. Prof. CAN ATILGAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: P-2176-2019

ScopusID: 55646867100

Yoksis Researcher ID: 119157

Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Bilgi Teknolojileri (Dr), Turkey 2014 - 2021

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Bilgisayar Bilimleri (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Ege University, Faculty Of Science, Matematik Bölümü, Turkey 2007 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Adil turnuva tasarımı üzerine hesaplamalı bir çalışma, Ege University, Fen Bilimleri Enstitüsü, Bilgi Teknolojileri (Dr), 2021

Postgraduate, Kümeleme algoritmaları ve paralelleştirilmeleri, Ege University, Fen Bilimleri Enstitüsü, Bilgisayar Bilimleri (YI) (Tezli), 2014

Research Areas

Computer Sciences, algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2021 - Continues

Research Assistant, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2012 - 2021

Academic and Administrative Experience

Büyük Veri Koordinatörlüğü Üyesi, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2023 - Continues

Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2023 - Continues
Member of IT Commission, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2023 - Continues
Internship Committee Member, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2023 - Continues
Program Accreditation-Self-Assessment Committee Member, Dokuz Eylul University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2022 - Continues

Courses

Undergraduate

Operating Systems, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Object Oriented Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Introduction to Programming with Python, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Object Oriented Analysis and Design, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Parallel Computing, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Algorithms and Data Structures, Undergraduate, 2023 - 2024
Discrete Mathematics and Logic, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Efficient implementation and parallelization of fuzzy density based clustering**
ATILGAN C., TEZEL B. T., NASİBOĞLU E.
INFORMATION SCIENCES, vol.575, pp.454-467, 2021 (SCI-Expanded)
- II. **A Space Efficient Minimum Spanning Tree Approach to the Fuzzy Joint Points Clustering Algorithm**
ATILGAN C., Nasibov E.
IEEE TRANSACTIONS ON FUZZY SYSTEMS, vol.27, no.6, pp.1317-1322, 2019 (SCI-Expanded)
- III. **A Note on Fuzzy Joint Points Clustering Methods for Large Datasets**
Nasibov E., ATILGAN C.
IEEE TRANSACTIONS ON FUZZY SYSTEMS, vol.24, no.6, pp.1648-1653, 2016 (SCI-Expanded)
- IV. **Fuzzy joint points based clustering algorithms for large data sets**
Nasibov E., ATILGAN C., BERBERLER M. E., NASİBOĞLU R.
FUZZY SETS AND SYSTEMS, vol.270, pp.111-126, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Covid 19 Pandemisinin Bist 100 Şirketleri Arasındaki Sektörel Bağlantılara Etkisi: Minimum Kapsayan Ağaç Yöntemi**
ATILGAN C., AFŞAR K. E.
Bilgi Sosyal Bilimler Dergisi, vol.24, no.1, pp.53-82, 2022 (Peer-Reviewed Journal)
- II. **Providing Priority Degrees for the Challenges of Cloud-Based Outsource Software Development Projects via Fuzzy Analytic Hierarchy Process Methods**
Kınay A. Ö., Atılğan C.
Journal of Emerging Computer Technologies, vol.2, no.1, pp.1-6, 2022 (Peer-Reviewed Journal)
- III. **Eleme Turnuvalarında Seribaşı Eşlemelerinin Sayılması ve Sayımlanması**
ATILGAN C., DALKILIÇ M. E.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.14, no.2, 2021 (Peer-Reviewed Journal)
- IV. **A Dynamic Programming Approach For Generating N Ary Reflected Gray Code List**
KURT M., ATILGAN C., BERBERLER M. E.
Ege University Journal of the Faculty of Science, vol.37, no.1, pp.31-37, 2013 (Peer-Reviewed Journal)

Books

I. Bölüm 10 - Temel Veri Yapıları

ÖNER T., TOPAL S., BERBERLER M. E., ŞENTÜRK İ., ORDİN B., KUTUCU H., AKLEYLEK S., NASİBOĞLU E., NURİYEV U., PEKTAŞ B., et al.

in: Algoritmalara Giriş (Introduction to Algorithms kitabınının çevirisi), Urfat Nuriyev, Efendi Nasıboğlu, Tahsin Öner, Editor, PALME YAYINCILIK, Ankara, pp.229-252, 2017

Papers Published in Refereed Scientific Meetings

I. Haritalama Çalışmalarındaki Popülasyonların ve Markörlerin Zaman İçindeki Trendleri

Alaca E., Alaca B., Atılğan C., Songur U., Matur F.

3. Çanakkale Tarımı Sempozyumu, Çanakkale, Turkey, 16 - 18 November 2022, pp.1-2

II. ON COMPUTATIONALLY DETERMNING RESULTS FOR SPORTS SEASONS THAT CANNOT BE RESUMED ATILGAN C.

INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 15 December 2021

III. Ranking Among Cloud Service Providers With Magnitude Based Fuzzy Analytic Hierarchy Process (MFAHP) Method

Kınay A. Ö., Tezel B. T., Atılğan C.

International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 15 - 17 December 2021, pp.199-200

IV. REDUCING BUSINESS COSTS BY MAKING USE OF MULTIPLE CLOUD COMPUTING SERVICE PROVIDERS ATILGAN C., TEZEL B. T.

INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 15 December 2021

V. Enumerating Possible Seedings in a Knockout Tournament

ATILGAN C., DALKILIÇ M. E.

2020 5th International Conference on Computer Science and Engineering (UBMK), Diyarbakır, Turkey, 9 - 11 September 2020

VI. Parallel Implementation of Fuzzy Joint Points Clustering Algorithm on GPU

ATILGAN C., TEZEL B. T., NASİBOĞLU E.

4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.516-519

VII. A Comparative Evaluation of the Factors Affecting the Elevtive Course Selection

BOZYİĞİT A., ATILGAN C.

4th INTERNATIONAL RESEARCHERS, STATISTICIANS AND YOUNG STATISTICIANS, 28 - 30 April 2018

VIII. Towards Developing Fuzzy Neighborhood Based Clustering Algorithms for High Performance Distributed Memory Computing Environments

ATILGAN C., TEZEL B. T., Nasibov E.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.367-371

IX. Improving Memory Efficiency of Fuzzy Joint Points Clustering Algorithms

ATILGAN C., NASİBOĞLU E.

7th World Conference on Innovation and Computer Science (INSODE-2017), 20 - 22 April 2017

X. On Reducing Space Complexity of Fuzzy Neighborhood Based Clustering Algorithms

ATILGAN C., Nasibov E.

2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.577-579

XI. A Memory Efficient Distributed Fuzzy Joint Points Clustering Algorithm

ATILGAN C., Nasibov E.

10th IEEE International Conference on Application of Information and Communication Technologies (AICT), Baku, Azerbaijan, 12 - 14 October 2016, pp.401-405

- XII. **Distributed Detection of Critical Nodes in Wireless Sensor Networks Using Connected Dominating Set**
DAĞDEVİREN O., AKRAM V., TAVLI B., YILDIZ H. U., ATILGAN C.
15th IEEE Sensors Conference, Florida, United States Of America, 30 October - 02 November 2016
- XIII. **Yoğunluk Tabanlı Bulanık Kümeleme Algoritmasının İş Parçacığı Hesaplama Modelinde Paralleştirilmesi**
ATILGAN C., NASİBOĞLU E., ORDİN B.
4. Ulusal Yüksek Başarılı Hesaplama Konferansı, Turkey, 1 - 02 October 2015
- XIV. **Parameter Selection in Fuzzy Joint Points Clustering Algorithms**
Nasibov E., ATILGAN C.
9th International Conference of Information and Communiation Technologies (AICT), Rostov-on-Don, Russia, 14 - 16 October 2015, pp.8-11
- XV. **An Efficient Algorithm for Exact Solution of Maximum Independent Set Problem in Dense Graphs**
NASİBOĞLU E., BERBERLER M. E., ATILGAN C.
3rd International Symposium on Computing in Science & Engineering, Aydın, Turkey, 24 - 25 October 2013, pp.69-72
- XVI. **Optimal Journey Planning Depending on Distance and Passenger Density Parameters**
Nasibov E., BERBERLER M. E., Diker A. C., ATILGAN C.
7th International Conference on Application of Information and Communication Technologies (AICT), Baku, Azerbaijan, 23 - 25 October 2013, pp.424-427
- XVII. **Hybrid Heuristic Algorithm for the Multidimensional Knapsack Problem**
ATILGAN C., NURİYEV U.
4th International Conference on Problems of Cybernetics and Informatics (PCI), Baku, Azerbaijan, 12 - 14 September 2012

Supported Projects

Şen G., Özmihçi S., Atılğan C., Şimşek C., Güven E. D., Canlı K., Çabuk M., Erol M., Keskin Ö. Y., TUBITAK Project, Çiftlikten Çatala - Küçük Menderes Havzasında Tarımsal Toprak ve Ürünlerde Mikroplastiklerin Dağılımı, Kaynakları ve Takibi, 2023 - 2026

Tezel B. T., Atılğan C., Project Supported by Higher Education Institutions, Developing Neighborhood Based Clustering Algorithms for Distributed High Performance Computing Environments, 2018 - 2019

Metrics

Publication: 27

Citation (WoS): 33

Citation (Scopus): 38

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

Yurtiçi Doktora Bursu, TUBITAK, 2014 - 2018