Doç.Dr. ADNAN ÖZSOY

Kişisel Bilgiler

E-posta: adnan.ozsoy@hacettepe.edu.tr
Web: http://web.cs.hacettepe.edu.tr/~aozsoy/

Uluslararası Araştırmacı ID'leri
ORCID: 0000-0002-0302-3721
Yoksis Araştırmacı ID: 234676

Eğitim Bilgileri

Doktora, Indiana University Bloomington, School Of Informatics And Computing, Computer Science, Amerika Birleşik Devletleri 2008 - 2014
Yüksek Lisans, The University of Texas at Austin, Natural Science, Computer Science, Amerika Birleşik Devletleri 2005 - 2007
Lisans, Virginia Polytechnic Institute and State University, Engineering, Computer Science, Amerika Birleşik Devletleri 2003 - 2005

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Bit-vector strategies for string matching algorithms on GPGPUs, Indiana University Bloomington, Computer Scıence, 2010

Araştırma Alanları

Bilgisayar Bilimleri, Algoritmalar, Dağıtık Sistemler , Paralel Algoritmalar , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - Devam Ediyor
Yrd.Doç.Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2018
Araştırma Görevlisi, Indiana University Bloomington, Soıc, Computer Science, 2008 - 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Energy-efficient computing for machine learning based target detection**
Fisne A., Kalay A., Yavuz F., Cetintepe C., ÖZSOY A.
Concurrency and Computation: Practice and Experience, cilt.35, sa.24, 2023 (SCI-Expanded)

II. **Efficient heterogeneous parallel programming for compressed sensing based direction of arrival estimation**
Fisne A., Kilic B., Gungor A., ÖZSOY A.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, cilt.34, sa.9, 2022 (SCI-Expanded)

III. **A non-sequential refinement approach to improve word embeddings using GPU-based string matching algorithms**
Naderalvojoud B., ÖZSOY A.
CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, cilt.24, sa.4, ss.3123-3134, 2021 (SCI-Expanded)

IV. **A taxonomy for Blockchain based distributed storage technologies**
Cangir O. F., Cankur O., ÖZSOY A.
INFORMATION PROCESSING & MANAGEMENT, cilt.58, sa.5, 2021 (SCI-Expanded)

V. **cuRCD: Region covariance descriptor CUDA implementation**
Asan M. A., ÖZSOY A.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.80, ss.19737-19751, 2021 (SCI-Expanded)

VI. **Creating consensus group using online learning based reputation in blockchain networks**
Bugday A., ÖZSOY A., Oztaner S. M., Sever H.
PERVASIVE AND MOBILE COMPUTING, cilt.59, 2019 (SCI-Expanded)

VII. **Design and implementation of real-time wideband software-defined radio applications with GPGPUs**
Fisne A., ÖZSOY A.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, cilt.30, sa.21, 2018 (SCI-Expanded)

VIII. **An efficient parallelization of longest prefix match and application on data compression**
ÖZSOY A.
INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS, cilt.30, sa.3, ss.276-289, 2016 (SCI-Expanded)

IX. **Optimizing LZSS compression on GPGPUs**
Ozsoy A., Swany M., CHAUHAN A.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF GRID COMPUTING AND ESCIENCE, cilt.30, ss.170-178, 2014 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **A Role-Based Access Control Management Model on Blockchain for Restricted Facilities: An Airport Example**
Zorlu O., ÖZSOY A., SERT S. A.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Türkiye, 7 - 09 Haziran 2023

II. **An Immutable Navigation Database on Blockchain**
Zorlu O., ÖZSOY A.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Türkiye, 7 - 09 Haziran 2023

III. **Securing Blockchain Shards By Using Learning Based Reputation and Verifiable Random Functions**
Bugday A., ÖZSOY A., Sever H.
International Symposium on Networks, Computers and Communications (ISNCC), İstanbul, Türkiye, 18 - 20 Haziran 2019

IV. **A Hybrid Model for Multiple Uses of Prepaid Telecommunication Common Assets**
Aycicek O., ÖZSOY A., Berk M.
International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Türkiye, 28 - 30 Eylül 2018

V. **GPU-Based Parallel Genetic Algorithm for Increasing the Coverage of WSNs**
zorlu o., DİLEK S., ÖZSOY A.

ICPADS - The International Conference on Parallel and Distributed Systems, 15 - 17 Aralık 2017

VI. **Grafik Processor Accelerated Real Time Software Defined Radio Applications**
Fisne A., ÖZSOY A.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017

VII. **CULZSS-Bit: A Bit-Vector Algorithm for Lossless Data Compression on GPGPUs**
Ozsoy A.
DISCS The International Workshop on Data-Intensive Scalable Computing Systems, Louisiana, Amerika Birleşik Devletleri, 16 - 21 Kasım 2014, ss.57-64

VIII. **Achieving TeraCUPS on Longest Common Subsequence Problem using GPGPUs**
Ozsoy A., CHAUHAN A., Swany M.
19th IEEE International Conference on Parallel and Distributed Systems (ICPADS), Seoul, Güney Kore, 15 - 18 Aralık 2013, ss.69-77

IX. **Pipelined Parallel LZSS for Streaming Data Compression on GPGPUs**
Ozsoy A., Swany M., CHAUHAN A.
IEEE 18th International Conference on Parallel and Distributed Systems (ICPADS), Singapore, Singapur, 17 - 19 Aralık 2012, ss.37-44

X. **CULZSS: LZSS Lossless Data Compression on CUDA**
Ozsoy A., Swany M.
IEEE International Conference on Cluster Computing (CLUSTER), Texas, Amerika Birleşik Devletleri, 26 - 30 Eylül 2011, ss.403-411

XI. **Towards Large-Scale Molecular Dynamics Simulations on Graphics Processors**
Davis J. E., Ozsoy A., Patel S., Taufer M.
1st International Conference on Bioinformatics and Computational Biology, Louisiana, Amerika Birleşik Devletleri, 8 - 10 Nisan 2009, cilt.5462, ss.176-186

Desteklenen Projeler

ÖZSOY A., ZORLU O., DİLEK S., Yükseköğretim Kurumları Destekli Proje, ICPADS 2017 Konferans Katilimi, 2017 - 2018
ÖZSOY A., Yükseköğretim Kurumları Destekli Proje, Başarım 2017 Ulusal Konferans Katılımı, 2017 - 2017
ÖZSOY A., Yükseköğretim Kurumları Destekli Proje, PPOPP 2017 Konferans Katılım, 2016 - 2017
ÖZSOY A., Yükseköğretim Kurumları Destekli Proje, Büyük Veride Yüksek başarımlı hesaplamalar, 2015 - 2016

Metrikler

Yayın: 20
Atıf (WoS): 57
Atıf (Scopus): 78
H-İndeks (WoS): 4
H-İndeks (Scopus): 5