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Kişisel Bilgiler

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Yoksis Araştırmacı ID: [170252](https://yoksis.gov.tr/yoksis/170252)

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişim Sistemleri Anabilim Dalı, Türkiye 2007 - 2014

Yüksek Lisans, Syracuse University, Amerika Birleşik Devletleri 1999 - 2001

Lisans, Bursa Uludağ Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, Türkiye 1993 - 1997

Yaptığı Tezler

Doktora, Improved probabilistic matrix factorization model for sparse datasets, Orta Doğu Teknik Üniversitesi, Enformatik Enstitüsü, Bilişim Sistemleri Anabilim Dalı, 2014

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2020 - Devam Ediyor

Araştırma Görevlisi, Ankara Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2020

Akademik İdari Deneyim

Dekan Yardımcısı, Ankara Üniversitesi, Mühendislik Fakültesi, 2022 - Devam Ediyor

Yönetilen Tezler

AR Y., Uygulama programlama arayüzü (UPA) çağrılarının kullanılmasına dayalı makine öğrenmesi yöntemleriyle zararlı yazılım tespiti, Yüksek Lisans, A.KUTAY(Öğrenci), 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A new approach to Mergesort algorithm: Divide smart and conquer**
Emrah Amrahov S., AR Y., TUĞRUL B., Akay B. E., Kartli N.
Future Generation Computer Systems, cilt.157, ss.330-343, 2024 (SCI-Expanded)
- II. **Deep Learning-Based Classification of Image Data Sets Containing 111 Different Seeds**
Tuğrul B., Eryiğit R., Ar Y.
Advanced Theory and Simulations, cilt.6, sa.11, 2023 (SCI-Expanded)
- III. **A Machine Learning Approach to Malware Detection Using Application Programming Interface Calls (MDAPI)**
Yuksel A. K., Ar Y.
Traitement du Signal, cilt.40, sa.4, ss.1511-1520, 2023 (SCI-Expanded)
- IV. **Pros and Cons of Telemedicine for Inherited Metabolic Disorders in a Developing Country During the COVID-19 Pandemic**
Yekeduez M., DOĞULU N., SÜRÜCÜ KARA İ., Oncul U., BAKIRARAR B., KÜLLÜ P., AR Y., KÖSE E., EMİNOĞLU F. T.
TELEMEDICINE AND E-HEALTH, cilt.28, sa.11, ss.1604-1612, 2022 (SCI-Expanded)
- V. **A NEW CURVE FITTING BASED RATING PREDICTION ALGORITHM FOR RECOMMENDER SYSTEMS**
Ar Y., Amrahov Ş., Gasilov N., Yiğit Sert S.
KYBERNETIKA, cilt.58, sa.3, ss.440-455, 2022 (SCI-Expanded)
- VI. **Mapping application-specific topology to mesh topology with reconfigurable switches**
KÜLLÜ P., AR Y., TOSUN S., Ozdemir S.
IET COMPUTERS AND DIGITAL TECHNIQUES, cilt.14, sa.1, ss.9-16, 2020 (SCI-Expanded)
- VII. **Evolutionary approaches for weight optimization in collaborative filtering-based recommender systems**
YİĞİT SERT S., AR Y., BOSTANCI G. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.27, sa.3, ss.2121-2136, 2019 (SCI-Expanded)
- VIII. **A genetic algorithm solution to the collaborative filtering problem**
AR Y., BOSTANCI G. E.
EXPERT SYSTEMS WITH APPLICATIONS, cilt.61, ss.122-128, 2016 (SCI-Expanded)
- IX. **Application-specific topology generation algorithms for network-on-chip design**
Tosun S., Ar Y., Ozdemir S.
IET COMPUTERS AND DIGITAL TECHNIQUES, cilt.6, sa.5, ss.318-333, 2012 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Classification of human activities by smart device measurements**
KALKAN M., AR Y.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.65, sa.2, ss.166-178, 2023 (Hakemli Dergi)
- II. **Prediction of software quality with Machine Learning-Based ensemble methods**
CERAN A. A., AR Y., TANRIÖVER Ö. Ö., Seyrek Ceran S.
Materials Today: Proceedings, cilt.81, ss.18-25, 2023 (Scopus)
- III. **A method for analyzing suspect-filler similarity using convolutional neural networks**
AYDIN D. E., AR Y.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.64, sa.2, ss.129-151, 2022 (Hakemli Dergi)
- IV. **Emotion Recognition System from Speech using Convolutional Neural Networks**
AYDIN M., TUĞRUL B., AR Y.
Journal of Computer Science, 2022 (Hakemli Dergi)
- V. **An initialization method for the latent vectors in probabilistic matrix factorization for sparse**

datasets

AR Y.

EVOLUTIONARY INTELLIGENCE, cilt.13, sa.2, ss.269-281, 2020 (ESCI)

- VI. **An Ensemble Model for Collaborative Filtering to Involve All Aspects of Dataset**
AR Y.
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.60, sa.2, ss.15-26, 2018 (Hakemli Dergi)
- VII. **A Thread Building Blocks Based Parallel Genetic Algorithm**
BOSTANCI G. E., AR Y., YİĞİT SERT S.
International Journal of Research and Reviews in Applied Sciences, cilt.31, sa.1, ss.1-8, 2017 (Hakemli Dergi)
- VIII. **Transitive Associations for Domain Transfer Problem on Opinion Mining**
AR Y.
International Journal of Advances in Computer Science and Its Applications, cilt.6, sa.1, ss.232-238, 2016 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **BİR C++ PROGRAMININ YAZILMASI, DERLENMESİ VE ÇALIŞTIRILMASI**
AR Y.
Programlama Temelleri, , Editör, ATATÜRK ÜNİVERSİTESİ AÇIKÖĞRETİM FAKÜLTESİ YAYINEVİ, ss.65-82, 2019
- II. **İLK C++ PROGRAMI (MERHABA DÜNYA)**
AR Y.
Programlama Temelleri, , Editör, ATATÜRK ÜNİVERSİTESİ AÇIKÖĞRETİM FAKÜLTESİ YAYINEVİ, ss.47-64, 2019

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **An Artificial Bee Colony Based Mapping Method for Three Dimensional Network-on-Chip**
KÜLLÜ P., YİĞİT SERT S., ÖZKAN OKAY M., AR Y.
2023 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), NAMİBİA, 16 - 18 Ağustos 2023
- II. **A NEW DATASET FOR INTRUSION DETECTION IN WIRELESS LOCAL AREA NETWORK**
ÖZKAN OKAY M., AR Y., SAMET R.
The 8th International Conference on Control and Optimization with Industrial Applications, Azerbaycan, 24 Ağustos 2022
- III. **Prediction of Software Quality with Machine Learning-Based Ensemble Methods**
CERAN A. A., AR Y., TANRIÖVER Ö. Ö., SEYREK CERAN S.
4th International Engineering Research Symposium, Türkiye, 4 - 06 Mart 2022
- IV. **Automobile Price Prediction in Turkey Marketplace with Linear Regression**
Satioglu M. C., AR Y., TUĞRUL B.
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Bolu, Türkiye, 21 Ekim 2021
- V. **Evolutionary Fuzzy Adaptive Motion Models for User Tracking in Augmented Reality Applications**
AR Y., ÜNAL M., Sert S. Y., BOSTANCI G. E., Kanwal N., GÜZEL M. S.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, Kizilcahamam, Ankara, Türkiye, 19 - 21 Ekim 2018
- VI. **Evolutionary Fuzzy Adaptive Motion Models for User Tracking in Augmented Reality Applications**
AR Y., ÜNAL M., YİĞİT S., BOSTANCI G. E., Kanwal N., GÜZEL M. S.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2018, Kizilcahamam, Ankara, Türkiye, 19 - 21 Ekim 2018

- VII. **The Impact of Dataset Characteristics on Collaborative Filtering**
AR Y., ÖZDEMİR O. C.
International Conference on Theoretical and Applied Computer Science and Engineering, Türkiye, 10 - 11 Kasım 2017
- VIII. **Development of Recommender Systems Based on the Curve Fitting Method**
EMRAH Ş., AR Y., GASİLOV N., FATULLAYEV A. G.
International Conference on Mathematics and Mathematics Education, Türkiye, 12 - 14 Mayıs 2016
- IX. **Transitive Associations for Domain Transfer Problem on Opinion Mining**
AR Y.
Third International Conference on Advances in Information Processing and Communication Technology - IPCT 2015, ROMA, İtalya, 10 - 11 Aralık 2015
- X. **Power-aware topology generation for application specific NoC design**
Tosun S., AR Y., Ozdemir S.
2012 6th International Conference on Application of Information and Communication Technologies, AICT 2012, Tbilisi, Gürcistan, 17 - 19 Ekim 2012
- XI. **TopGen: A new algorithm for automatic topology generation for network on chip architectures to reduce power consumption**
AR Y., Tosun S., Kaplan H.
2009 International Conference on Application of Information and Communication Technologies, AICT 2009, Baku, Azerbaycan, 14 - 16 Ekim 2009

Desteklenen Projeler

Ar Y., Ünal M., Yiğit Sert S., Bostancı G. E., Yükseköğretim Kurumları Destekli Proje, Artırılmış Gerçeklik Uygulamalarında GPS-INS Tabanlı Kullanıcı Takibi için Akıllı Hareket Modeli Seçim Yöntemi Geliştirilmesi, 2016 - 2018

Metrikler

Yayın: 31

Atıf (WoS): 96

Atıf (Scopus): 129

H-İndeks (WoS): 3

H-İndeks (Scopus): 4