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Personal Information

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International Researcher IDs

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ORCID: 0000-0003-4305-7800

Publons / Web Of Science ResearcherID: A-3001-2011

ScopusID: 36607537400

Yoksis Researcher ID: 182450



Education Information

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| 2009 - 2016 | Doctorate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey |
| 2007 - 2011 | Postgraduate, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey |
| 2002 - 2006 | Undergraduate, Eskisehir Osmangazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey |

Foreign Languages

English, C1 Advanced German, B1 Intermediate

Dissertations

| | |
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| 2016 | Web sayfalarının görsel ve yapısal benzerliklerinin incelendiği ve indekslendiği bir arama motorunun tasarımı ve gerçekleştirimi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Doctorate |
| 2009 | OLAP ve veri madenciliği teknolojilerinden yararlanılarak web tabanlı bir karar destek sisteminin gerçekleştirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Y) (Tezli), Postgraduate |

Research Areas

Computer Sciences, algorithms, Simulation and Modelling, Computer Vision, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Human Computer Interaction, Engineering and Technology

Academic Titles / Tasks

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|------------------|---|
| 2006 - Continues | Research Assistant, Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü |
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Courses

| | |
|-------------|-------------------------------------|
| 2018 - 2019 | Computer Programming, Undergraduate |
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| 2018 - 2019 | Occupational Health and Safety II, Undergraduate |
| 2017 - 2018 | Occupational Health and Safety II, Undergraduate |

Advising Theses

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|------|---|
| 2024 | Bozkır A. S., Postgraduate, A.HANI(Student), Detection of phishing web pages by combining semantical and visual information |
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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **GramBeddings: A New Neural Network for URL Based Identification of Phishing Web Pages Through N-gram Embeddings**
BOZKIR A. S., Dalgic F. C., AYDOS M.
Computers and Security, vol.124, 2023 (SCI-Expanded)
- II. **Catch them alive: A malware detection approach through memory forensics, manifold learning and computer vision**
BOZKIR A. S., Tahillioglu E., AYDOS M., Kara I.
COMPUTERS & SECURITY, vol.103, 2021 (SCI-Expanded)
- III. **LogoSENSE: A companion HOG based logo detection scheme for phishing web page and E-mail brand recognition**
BOZKIR A. S., AYDOS M.
COMPUTERS & SECURITY, vol.95, 2020 (SCI-Expanded)
- IV. **EXPLORING RELATIONS AMONG PRE-SERVICE SCIENCE TEACHERS' MOTIVATIONAL BELIEFS, LEARNING STRATEGIES AND CONSTRUCTIVIST LEARNING ENVIRONMENT PERCEPTIONS THROUGH UNSUPERVISED DATA MINING**
KINGIR S., GÖK B., BOZKIR A. S.
JOURNAL OF BALTIC SCIENCE EDUCATION, vol.19, no.5, pp.804-823, 2020 (SSCI)
- V. **Layout-based computation of web page similarity ranks**
BOZKIR A. S., Sezer E. A.
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES, vol.110, pp.95-114, 2018 (SCI-Expanded)
- VI. **FUAT - A fuzzy clustering analysis tool**
BOZKIR A. S., Sezer E. A.
EXPERT SYSTEMS WITH APPLICATIONS, vol.40, no.3, pp.842-849, 2013 (SCI-Expanded)
- VII. **Assessment of Landslide Susceptibility by Decision Trees in the Metropolitan Area of Istanbul, Turkey**
Nefeslioglu H. A., SEZER E., GÖKÇEOĞLU C., BOZKIR A. S., Duman T. Y.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Characteristic Behavioral Analysis of Malware: A Case study of Cryptowall Ransomware**
KARA İ., AYDOS M., BOZKIR A. S.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, pp.486-493, 2020 (Peer-Reviewed Journal)
- II. **Brand Recognition of Phishing Web Pages via Global Image Descriptors**
Eroğlu E., BOZKIR A. S., AYDOS M.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, pp.436-443, 2019 (Peer-Reviewed Journal)
- III. **Local Image Descriptor Based Phishing Web Page Recognition as an Open-Set Problem**
BOZKIR A. S., AYDOS M.
Avrupa Bilim ve Teknoloji Dergisi, vol.0, pp.444-451, 2019 (Peer-Reviewed Journal)
- IV. **Analysing teachers' and prospective teachers' views on the use of the instruments of information**

and communication technology through data mining

CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.

IJATE, 2019 (Peer-Reviewed Journal)

- V. **Analyzing the Views of Teachers and Prospective Teachers on Information and Communication Technology via Descriptive Data Mining**
Aran Ö., BOZKIR A. S., GÖK B., YAĞCI E.
INTERNATIONAL JOURNAL OF ASSESSMENT TOOLS IN EDUCATION, vol.6, no.2, pp.314-329, 2019 (ESCI)
- VI. **Identifying the Factors Affecting Science and Mathematics Achievement Using Data Mining Methods**
KIRAY S. A., GÖK B., BOZKIR A. S.
Journal of Education in Science, Environment and Health (JESEH), vol.1, pp.29-50, 2015 (Peer-Reviewed Journal)
- VII. **A new web based data mining exploration and reporting tool for decision makers**
BOZKIR A. S., SEZER E.
Artificial Intelligence Research, vol.2, pp.70-89, 2013 (Peer-Reviewed Journal)
- VIII. **Profiling of sunk cost industries by soft clustering techniques Turkey case**
ARVAS M. A., BOZKIR A. S.
Int. J. Industrial and Systems Engineering, vol.15, pp.290-303, 2013 (Scopus)

Books & Book Chapters

- I. **SimiLay: A Developing Web Page Layout Based Visual Similarity Search Engine**
Bozkır A. S., Sezer E.
in: Machine Learning and Data Mining in Pattern Recognition, Petra Perner, Editor, Springer-Verlag , Berlin, pp.457-470, 2014
- II. **Identification of User Patterns in Social Networks by Data Mining Techniques: Facebook Case**
BOZKIR A. S., MAZMAN S. G., SEZER E.
in: Technological Convergence and Social Networks in Information Management, Kurbanoglu Serap, Al Umut, Editor, Springer Berlin Heidelberg, Berlin, pp.145-153, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Utilization and comparison of convolutional neural networks in malware recognition Kötücül Yazılımların Tanınmasında Evrimsel Sınır Ağlarının Kullanımı ve Karşılaştırılması**
BOZKIR A. S., CANKAYA A. O., AYDOS M.
27th Signal Processing and Communications Applications Conference, SIU 2019, Sivas, Turkey, 24 - 26 April 2019
- II. **Utilization and Comparison of Convolutional Neural Networks in Malware Recognition**
BOZKIR A. S., CANKAYA A. O., AYDOS M.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- III. **Phish-IRIS: A New Approach for Vision Based Brand Prediction of Phishing Web Pages via Compact Visual Descriptors**
Dalgic F. C., BOZKIR A. S., AYDOS M.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.176-183
- IV. **Spam E-Mail Classification by Utilizing N-Gram Features of Hyperlink Texts**
BOZKIR A. S., ŞAHİN E., AYDOS M., AKÇAPINAR SEZER E., ORHAN F.
The 11th IEEE International Conference AICT2017, Moscow, Russia, 20 - 22 September 2017
- V. **Öğretmen ve Öğretmen Adaylarının Bilgi ve İletişim Teknolojisi Araçlarının Kullanımına İlişkin Görüşlerini Kümeleme Analiziyle İncelenmesi**
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.
EJER, 11 - 14 May 2017

- VI. **Öğretmen ve Öğretmen Adaylarının Bilgi ve İletişim Teknolojisi Araçlarının Kullanımına İlişkin Görüşlerinin Kümeleme Analiziyle İncelenmesi**
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.
IV. International Eurasian Educational Research Congress, 11 - 14 May 2017
- VII. **ÖĞRETMEN VE ÖĞRETMEN ADAYLARININ BİLGİ VE İLETEŞİM TEKNOLOJİSİ ARAÇLARININ KULLANIMINA İLİŞKİN GÖRÜŞLERİNİN KÜMELEME ANALİZİYLE İNCELENMESİ**
CAN ARAN Ö., BOZKIR A. S., GÖK B., YAĞCI E.
4TH. INTERNATIONAL EURASIAN EDUCATIONAL RESEARCH CONGRESS (EJER 2017), Denizli, Turkey, 11 - 14 May 2017
- VIII. **Use of HOG Descriptors in Phishing Detection**
BOZKIR A. S., Sezer E. A.
4th International Symposium on Digital Forensic and Security (ISDFS), Arkansas, United States Of America, 25 - 27 April 2016, pp.148-153
- IX. **INVESTIGATION OF TERM WEIGHTING SCHEMES IN CLASSIFICATION OF IMBALANCED TEXTS**
Naderalvojud B., BOZKIR A. S., SEZER E.
MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION, MLDM 2014, Lizbon, 15 - 17 July 2014, pp.39-46
- X. **EPESUS A DEVELOPING WEB BASED ENERGY MATERIAL FLOW ANALYSIS TOOL FOR ECO INDUSTRIAL PARKS**
BOZKIR A. S., SEZER E., Yöntem E., Salihçavuşoğlu G.
IADIS Internet Applications Research 2012, Lizbon, Portugal, 17 - 23 July 2013
- XI. **ADEM An Online Decision Tree Based Menu Demand Prediction Tool for Food Courts**
BOZKIR A. S., SEZER E.
4th International Conference on Food Engineering and Biotechnology, Kopenhagen, Denmark, 17 January 2013, vol.43
- XII. **Epesus: A developing web based energy & material flow analysis tool for eco-industrial parks**
BOZKIR A. S., Sezer E. A., Yöntem E., Salihçavuşoğlu G.
IADIS Int. Conf., ISPCM 2012, IADIS Int. Conf. , TPMC 2012, IADIS , IAR 2012, Part of the IADIS Multi Conf. on Computer Science and Information Systems 2012, MCCSIS 2012, Lisbon, Portugal, 17 - 19 July 2012, pp.122-126
- XIII. **MOBILE MIND A FULLY MOBILE PLATFORM BASED MACHINE LEARNING APPLICATION**
BOZKIR A. S., SEZER E.
IADIS Data Mining Conference, Roma, Italy, 19 - 23 July 2011
- XIV. **Predicting food demand in food courts by decision tree approaches**
BOZKIR A. S., Sezer E. A.
1st World Conference on Information Technology (WCIT), İstanbul, Turkey, 6 - 10 October 2010, vol.3
- XV. **A three-tiered web based exploration and reporting tool for data mining**
BOZKIR A. S., Sezer E. A.
IADIS Int. Conf. Intelligent Systems and Agents 2010,ISA, IADIS European Conference on Data Mining 2010,DM, Part of the MCCSIS 2010, Freiburg, Germany, 28 - 31 July 2010, pp.107-111

Supported Projects

2020 - 2022 OptiPhish – Effective and Measurable Phishing Awareness Training, Project Supported by Public Organizations in Other Countries

Scientific Refereeing

November 2018 INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, Journal Indexed in SCIE

Metrics

Publication: 32

Citation (WoS): 176

Citation (Scopus): 206

H-Index (WoS): 4

H-Index (Scopus): 5