

## Prof. AKHAN AKBULUT

### Personal Information

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### International Researcher IDs

ScholarID: edBuT-QAAAAJ

ORCID: 0000-0001-9789-5012

Publons / Web Of Science ResearcherID: AAC-5992-2020

ScopusID: 25960607500

Yoksis Researcher ID: 116056

### Education

Doctorate, Istanbul University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2009 - 2013

Postgraduate, Istanbul Kultur University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2005 - 2008

Undergraduate, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1997 - 2001

### Dissertations

Doctorate, Kablosuz algılayıcı ağların bulut hesaplaması kullanılarak internete genişletilmesi, Istanbul University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2013

Postgraduate, An architectural model for content management in e-commerce applications using intelligent agents, Istanbul Kultur University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2008

### Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Software Engineering

### Academic Positions

Associate Professor, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Assistant Professor, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2013 - 2019

Research Assistant, Istanbul Kultur University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2004 - 2013

### Academic and Administrative Experience

Teknoloji Transfer Ofisi Yönetim Kurulu Üyeliği, Istanbul Kultur University, Merkez Müdürlükleri, TEKNOLOJİ TRANSFER OFİSİ , 2022 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Istanbul Kultur University, Merkez Müdürlükleri, İKÜ HAREKET ANALİZİ UYGULAMA VE DEĞERLENDİRME, UYGULAMA VE ARAŞTIRMA MERKEZİ (İKÜ-HAM), 2020 - Continues

Fakülte Yönetim Kurulu Üyesi, Istanbul Kultur University, Mühendislik Fakültesi, 2019 - Continues

Fakülte Kurulu Üyesi, İstanbul Kültür University, Mühendislik Fakültesi, 2019 - Continues  
Head of Department, İstanbul Kültür University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - 2023  
Head of Department, İstanbul Kültür University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - 2023  
Fakülte Yönetim Kurulu Üyesi, İstanbul Kültür University, Mühendislik Fakültesi, 2014 - 2017  
Deputy Head of Department, İstanbul Kültür University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2017

## Courses

### Postgraduate

CSE0559 Yazılım Mimarisi ve Entegrasyonu, Postgraduate, 2019 - 2020  
CSE0519 Kablosuz Algılayıcı Ağlar, Postgraduate, 2016 - 2017  
CSE500 Seminer, Postgraduate, 2016 - 2017  
CSE0526 Bulut Bilişimde İleri Teknikler, Postgraduate, 2016 - 2017  
CSE0510 E-Sistem Tasarımı ve Geliştirme, Postgraduate, 2015 - 2016  
CSE0556 Yazılım Mühendisliği Yönetimi, Postgraduate, 2015 - 2016  
CSE0500 Seminar Work, Postgraduate, 2014 - 2015

### Undergraduate

CSE8090 Graduate Project, Undergraduate, 2019 - 2020, 2018 - 2019, 2013 - 2014  
CSE5041 Database Design Development, Undergraduate, 2019 - 2020, 2016 - 2017  
CSE5001 Web Programming, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015  
CSE6064 SOFTWARE ENGINEERING, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
CSE 540 DATABASE MANAGEMENT SYSTEMS, Undergraduate, 2018 - 2019, 2012 - 2013  
CSE5041 Database Design and Development, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
CSE0425 Parallel and Distributed Programming, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
CSE0468 Software Modeling and Design, Undergraduate, 2016 - 2017  
CSE6032 Computer Networks, Undergraduate, 2016 - 2017, 2015 - 2016  
CSE8090 Graduation Project, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
CSE0405 Programming Languages, Undergraduate, 2015 - 2016  
CSE4061 System Analysis and HCI Design, Undergraduate, 2014 - 2015, 2013 - 2014  
CSE0403 Graphical User Interface Design and Development, Undergraduate, 2014 - 2015, 2013 - 2014  
CSE0440 Artificial Intelligence, Undergraduate, 2014 - 2015  
BİL483 Paralel ve Dağıtılmış Sistemler, Undergraduate, 2013 - 2014  
CSE5031 Operating Systems, Undergraduate, 2013 - 2014  
CEN301 Database Management Systems, Undergraduate, 2013 - 2014  
BİL335 Bilgisayar Ağları, Undergraduate, 2013 - 2014  
CEN483 Parallel and Distributed Systems, Undergraduate, 2013 - 2014  
CSE4014 Data Structures and Algorithms I, Undergraduate, 2013 - 2014  
CSE891 Graduation Project, Undergraduate, 2013 - 2014  
CSE 501 Visual Programming Techniques, Undergraduate, 2012 - 2013  
CSE 640 Database Design and Development, Undergraduate, 2012 - 2013  
CSE 535 Operating Systems, Undergraduate, 2012 - 2013

## Supervised Theses

AKHAN A., YAPAY ZEKA DESTEKLİ BLOKZİNCİR TABANLI FINANSAL BİLGİ PAYLAŞIM PLATFORMU, Doctorate, B.KARADAĞ(Student), 2023  
AKHAN A., Gerçek zamanlı strateji oyunu için mikro yönetim yapay zekası, Postgraduate, S.ÖZCAN(Student), 2023  
AKHAN A., Fraud detection in blockchain cryptocurrencies, Postgraduate, O.KUMAŞ(Student), 2023  
AKHAN A., Mikroservis ekosisteminde servis keşfi mekanizması, Postgraduate, A.VEDAT(Student), 2023

AKHAN A., Platformlar arası kod klon tespiti, Postgraduate, T.TUNÇ(Student), 2023  
AKHAN A., Makine öğrenmesi kullanarak ticari binalarda enerji tüketiminin azaltılması, Doctorate, M.ÇAKIR(Student), 2022  
ÇAĞATAY Ç., AKHAN A., Deep learning-based defect prediction for mobile apps, Postgraduate, M.JORAYEVA(Student), 2022  
AKHAN A., Mikroservis ekosisteminde servis durum yönetimi, Postgraduate, F.KARATAŞ(Student), 2021  
AKHAN A., Design of predictive maintenance model using artificial intelligence methods, Postgraduate, B.AY(Student), 2021  
AKHAN A., Derin öğrenme yaklaşımı kullanarak bulut ortamları için saldırı tespit hizmet tasarımı, Doctorate, W.ELMASRY(Student), 2019  
AKHAN A., Kayıp uzuv sendromu için artırılmış gerçeklik destekli rehabilitasyon sistemi, Postgraduate, A.ÇABUK(Student), 2019

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Multi-Graph Anomaly Detection in Business Processes With Scalable Neural Architectures**  
Hsu S., Gulce E., Ayaz T. B., ÖZCAN A., Akbulut A.  
IEEE ACCESS, vol.13, pp.34969-34984, 2025 (SCI-Expanded)
- II. **Boosting the visibility of services in microservice architecture**  
Tokmak A. V., AKBULUT A., ÇATAL Ç.  
CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, vol.27, no.3, pp.3099-3111, 2024 (SCI-Expanded)
- III. **Design and implementation of a deep learning-empowered m-Health application**  
AKBULUT A., Desouki S., AbdelKhaliq S., Khantomani L., ÇATAL Ç.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.83, no.12, pp.35995-36011, 2024 (SCI-Expanded)
- IV. **Web service discovery: Rationale, challenges, and solution directions**  
Tokmak A. V., AKBULUT A., ÇATAL Ç.  
COMPUTER STANDARDS & INTERFACES, vol.88, 2024 (SCI-Expanded)
- V. **Blockchain-Based KYC Model for Credit Allocation in Banking**  
Karadag B., Zaim A. H., AKBULUT A.  
IEEE ACCESS, vol.12, pp.80176-80182, 2024 (SCI-Expanded)
- VI. **Stacking-based ensemble learning for remaining useful life estimation**  
Ture B. A., AKBULUT A., Zaim A. H., ÇATAL Ç.  
SOFT COMPUTING, vol.28, pp.1337-1349, 2024 (SCI-Expanded)
- VII. **Wallet-Based Transaction Fraud Prevention Through LightGBM With the Focus on Minimizing False Alarms**  
Iscan C., Kumas O., Patlar Akbulut F., Akbulut A.  
IEEE ACCESS, vol.11, pp.131465-131474, 2023 (SCI-Expanded)
- VIII. **Identification of phantom movements with an ensemble learning approach**  
AKBULUT A., GÜNGÖR F., TARAKCI E., AYDIN M. A., Zaim A. H., ÇATAL Ç.  
COMPUTERS IN BIOLOGY AND MEDICINE, vol.150, 2022 (SCI-Expanded)
- IX. **Deep Learning-Based Defect Prediction for Mobile Applications**  
Jorayeva M., AKBULUT A., ÇATAL Ç., Mishra A.  
SENSORS, vol.22, no.13, 2022 (SCI-Expanded)
- X. **Machine Learning-Based Software Defect Prediction for Mobile Applications: A Systematic Literature Review**  
Jorayeva M., AKBULUT A., ÇATAL Ç., Mishra A.  
Sensors, vol.22, no.7, 2022 (SCI-Expanded)
- XI. **A Bayesian Deep Neural Network Approach to Seven-Point Thermal Sensation Perception**  
Cakir M., AKBULUT A.

IEEE ACCESS, vol.10, pp.5193-5206, 2022 (SCI-Expanded)

- XII. **Techniques for Calculating Software Product Metrics Threshold Values: A Systematic Mapping Study**  
Mishra A., Shatnawi R., ÇATAL Ç., AKBULUT A.  
APPLIED SCIENCES-BASEL, vol.11, no.23, 2021 (SCI-Expanded)
- XIII. **Evaluation of augmented reality technology for the design of an evacuation training game**  
ÇATAL Ç., AKBULUT A., Tunali B., Ulug E., Ozturk E.  
VIRTUAL REALITY, vol.24, no.3, pp.359-368, 2020 (SCI-Expanded)
- XIV. **Evolving deep learning architectures for network intrusion detection using a double PSO metaheuristic**  
Elmasry W., AKBULUT A., Zaim A. H.  
COMPUTER NETWORKS, 2020 (SCI-Expanded)
- XV. **Performance Analysis of Microservice Design Patterns**  
AKBULUT A., Perros H. G.  
IEEE INTERNET COMPUTING, vol.23, no.6, pp.19-27, 2019 (SCI-Expanded)
- XVI. **Empirical study on multiclass classification-based network intrusion detection**  
Elmasry W., AKBULUT A., Zaim A. H.  
COMPUTATIONAL INTELLIGENCE, no.4, pp.919-954, 2019 (SCI-Expanded)
- XVII. **Analysis of the use of computational intelligence techniques for air-conditioning systems: A systematic mapping study**  
Cakir M., AKBULUT A., Onen Y. H.  
MEASUREMENT & CONTROL, vol.52, no.7-8, pp.1084-1094, 2019 (SCI-Expanded)
- XVIII. **Code generator framework for smart TV platforms**  
AKBULUT A., Toprak S.  
IET SOFTWARE, vol.13, no.4, pp.268-279, 2019 (SCI-Expanded)
- XIX. **Native Code Generation as a Service**  
AKBULUT A., ÇATAL Ç., Karadeniz E., Turgut E.  
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.29, no.2, pp.263-284, 2019 (SCI-Expanded)
- XX. **Fetal health status prediction based on maternal clinical history using machine learning techniques**  
AKBULUT A., Ertugrul E., Topcu V.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.163, pp.87-100, 2018 (SCI-Expanded)
- XXI. **On the effectiveness of virtual reality in the education of software engineering**  
AKBULUT A., ÇATAL Ç., Yildiz B.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.4, pp.918-927, 2018 (SCI-Expanded)
- XXII. **Automatic energy expenditure measurement for health science**  
ÇATAL Ç., AKBULUT A.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.157, pp.31-37, 2018 (SCI-Expanded)
- XXIII. **Automated testing for distributed databases with fuzzy fragment reallocation**  
AKBULUT A., KARATAŞ BAYDOĞMUŞ G.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.2, pp.677-692, 2018 (SCI-Expanded)
- XXIV. **Deep Learning Approaches for Predictive Masquerade Detection**  
Elmasry W., AKBULUT A., Zaim A. H.  
SECURITY AND COMMUNICATION NETWORKS, 2018 (SCI-Expanded)
- XXV. **A cloud-based recommendation service using principle component analysis-scale-invariant feature transform algorithm**  
AKBULUT A., ÇATAL Ç., PATLAR AKBULUT F.  
NEURAL COMPUTING & APPLICATIONS, vol.28, no.10, pp.2859-2868, 2017 (SCI-Expanded)
- XXVI. **Special Issue: Soft computing in software engineering Preface**  
ÇATAL Ç., Bayrak C., Nassif A. B., POLAT K., AKBULUT A.  
APPLIED SOFT COMPUTING, vol.49, pp.953-955, 2016 (SCI-Expanded)

**XXVII. Control in networked systems with fuzzy logic**

AKBULUT A., Oztas O.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.1, pp.225-233, 2013  
(SCI-Expanded)

**Articles Published in Other Journals**

- I. **Cyberbullying detection through deep learning: A case study of Turkish celebrities on Twitter**  
Karadag B., AKBULUT A., Zaim A. H.  
WEB INTELLIGENCE, vol.21, no.1, pp.61-70, 2023 (ESCI)
- II. **Techniques for Apply Predictive Maintenance and Remaining Useful Life: A Systematic Mapping Study**  
Ay Türe B., AKBULUT A., Zaim A. H.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.8, no.1, pp.497-511, 2021 (Peer-Reviewed Journal)
- III. **A Design Of An Integrated Cloud-based Intrusion Detection System With Third Party Cloud Service**  
Elmasry W., AKBULUT A., Zaim A. H.  
OPEN COMPUTER SCIENCE, vol.11, no.1, pp.365-379, 2021 (ESCI)
- IV. **LWE: An Energy-Efficient Lightweight Encryption Algorithm for Medical Sensors and IoT Devices**  
Toprak S., AKBULUT A., Aydın M. A., Zaim A. H.  
ELECTRICA, vol.20, no.1, pp.71-80, 2020 (ESCI)
- V. **Comparative evaluation of different classification techniques for masquerade attack detection**  
Elmasry W., AKBULUT A., Zaim A. H.  
International Journal of Information and Computer Security, vol.13, no.2, pp.187-209, 2020 (Scopus)
- VI. **CAVE Sanal Gerçeklik Teknolojisinin Üniversite-Sanayi İşbirliği Açısından Değerlendirilmesi ve Örnek bir Durum Çalışması**  
ÇATAL Ç., AKBULUT A.  
Avrupa Bilim ve Teknoloji Dergisi, no.15, pp.61-69, 2019 (Peer-Reviewed Journal)
- VII. **Benchmarking of Regression Algorithms and Time Series Analysis Techniques for Sales Forecasting**  
ÇATAL Ç., AKBULUT A.  
Balkan Journal of Electrical and Computer Engineering, vol.7, no.1, pp.20-26, 2019 (Peer-Reviewed Journal)
- VIII. **Vinject: Toolkit for Penetration Testing and Vulnerability Scanning**  
Akbulut A.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.4, pp.779-790, 2018 (Peer-Reviewed Journal)
- IX. **Survey on access control mechanisms in cloud computing**  
KARATAŞ BAYDOĞMUŞ G., AKBULUT A.  
Journal of Cyber Security and Mobility, vol.7, no.3, pp.1-36, 2018 (Scopus)
- X. **Desing and Implementation of an Automatic Code Generation Tool for End-User Development**  
Akbulut A., Patlar Akbulut F., KÖSEOKUR H., ÇATAL Ç.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.19, no.55.1., pp.76-88, 2017 (Peer-Reviewed Journal)
- XI. **MOBILE VISUAL ACUITY ASSESSMENT APPLICATION: AcuMob**  
AKBULUT A., AYDIN M. A., Zaim A. H.  
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.1, pp.3181-3186, 2017 (ESCI)
- XII. **Mobil Cihazlarda Güvenlik-Tehditler ve Temel Stratejiler**  
KARATAŞ G., AKBULUT A., ZAIM A. H.  
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, vol.15, no.30, pp.55-75, 2016 (Peer-Reviewed Journal)
- XIII. **University Exam Scheduling System Using Graph Coloring Algorithm and RFID Technology**  
Akbulut A., Yılmaz G.  
International Journal of Innovation, Management and Technology, vol.4, no.1, pp.66-72, 2013 (Peer-Reviewed Journal)

- XIV. **E-ticaret uygulamalarındaki içerik yönetimi için akıllı ajanlar kullanan bir mimari model**  
Akbulut A., YILMAZ G.  
Havacılık ve Uzay Teknolojileri Dergisi, vol.5, no.2, pp.13-24, 2011 (Peer-Reviewed Journal)

## Books

- I. **Development of a Software Vulnerability Prediction Web Service Based on Artificial Neural Networks**  
ÇATAL Ç., AKBULUT A., EKENOĞLU E., ALEMDAROĞLU M.  
in: Trends and Applications in Knowledge Discovery and Data Mining. PAKDD 2017. Lecture Notes in Computer Science, U Kang, Ee-Peng Lim, Jeffrey Xu Yu, Yang-Sae Moon, Editor, Springer, Cham, pp.59-67, 2018

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Business Process Management Anomaly Detection Through Semantic Embedding-Integrated Graph Neural Networks**  
Ayaz T. B., Gülce E., Hsu S., ÖZCAN A., AKBULUT A.  
2024 9th International Conference on Computer Science and Engineering (UBMK), Turkey, 26 October 2024, (Full Text)
- II. **Evaluating Turkish BERT-based Language Models for Effective Customer Feedback Interpretation in CRM**  
İşcan C., Özara M. F., Çelik A. E., AKBULUT A.  
2024 9th International Conference on Computer Science and Engineering (UBMK), Turkey, 26 October 2024, (Full Text)
- III. **Multi-Aspect Anomaly Detection with Graph Neural Networks and Kolmogorov-Arnold Networks in Business Process Management**  
Ayaz T. B., Gülce E., Hsu S., ÖZCAN A., AKBULUT A.  
2024 9th International Conference on Computer Science and Engineering (UBMK), Turkey, 26 October 2024
- IV. **Semi-Supervised Detection of Contaminated Business Process Instances Using Graph Autoencoders and Dynamic Edge Convolutions for BPM Anomaly Detection**  
Ayaz T. B., Gülce E., ÖZCAN A., AKBULUT A.  
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Turkey, 16 October 2024, (Full Text)
- V. **Enhancing RAG Pipeline Performance with Translation-Based Embedding Strategies for Non-English Documents**  
İşcan C., Özara M. F., AKBULUT A.  
2024 Innovations in Intelligent Systems and Applications Conference (ASYU), Turkey, 16 October 2024, (Full Text)
- VI. **Edge Information Assisted Decoder for Business Process Anomaly Detection**  
Ayaz T. B., ÖZCAN A., AKBULUT A.  
2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), Turkey, 21 September 2024, (Full Text)
- VII. **Transformative Approaches to Customer Sentiment Analysis and Customer Feedback Scoring in CRM Platforms**  
Çevik R., Çelik A. E., AKBULUT A.  
2024 8th International Artificial Intelligence and Data Processing Symposium (IDAP), Turkey, 21 September 2024, (Full Text)
- VIII. **Enhancing Targeting in CRM Campaigns Through Explainable AI**  
Ayaz T. B., Ozara M. F., Sezer E., Celik A. E., AKBULUT A.  
International Conference on Intelligent and Fuzzy Systems (INFUS), Çanakkale, Turkey, 16 - 18 July 2024, pp.203-214, (Full Text)

- IX. A Review on Blockchain Applications in Fintech Ecosystem**  
 Karadag B., AKBULUT A., Zaim A. H.  
 International Conference on Advanced Creative Networks and Intelligent Systems (ICACNIS) - Blockchain Technology, Intelligent Systems, and the Applications for Human Life, Bandung, Indonesia, 23 November 2022, pp.12-16, (Full Text)
- X. Software Versioning with Microservices through the API Gateway Design Pattern**  
 AKBULUT A., Perros H. G.  
 9th International Conference on Advanced Computer Information Technologies (ACIT), Cheske-Budejovice, Czech Republic, 5 - 07 June 2019, pp.289-292, (Full Text)
- XI. Immersive Virtual Reality Games for Rehabilitation of Phantom Limb Pain**  
 AKBULUT A., GÜNGÖR F., TARAKCI E., Cabuk A., AYDIN M. A.  
 Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.334-337, (Full Text)
- XII. Deep Learning Approaches for Phantom Movement Recognition**  
 AKBULUT A., Asci G., GÜNGÖR F., TARAKCI E., AYDIN M. A., Zaim A. H.  
 Medical Technologies Congress (TIPTEKNO), İzmir, Turkey, 3 - 05 October 2019, pp.487-490, (Full Text)
- XIII. A Wearable Device for Virtual Cyber Therapy of Phantom Limb Pain**  
 AKBULUT A., Asci G., TARAKCI E., AYDIN M. A., Zaim A. H.  
 International Conference on Artificial Intelligence and Data Processing (IDAP), Malatya, Turkey, 28 - 30 September 2018, (Full Text)
- XIV. Multi-Tenant Architectures in the Cloud: A Systematic Mapping Study**  
 KARATAŞ BAYDOĞMUŞ G., Can F., Dogan G., Konca C., AKBULUT A.  
 2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017, (Full Text)
- XV. Development of a Software Vulnerability Prediction Web Service Based on Artificial Neural Networks**  
 ÇATAL Ç., AKBULUT A., Ekenoglu E., Alemdaroglu M.  
 21st Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), Jeju, South Korea, 23 May 2017, pp.59-67, (Full Text)
- XVI. Can we predict software vulnerability with deep neural network?**  
 ÇATAL Ç., AKBULUT A., KARAKATIC S., PAVLINEK M., PODGORELEC V.  
 19th International Multiconference INFORMATION SOCIETY, Ljubljana, Slovenia, 10 - 11 November 2016, (Full Text)
- XVII. A Systematic Mapping Study on Software Architecture Recovery**  
 ÇATAL Ç., AKBULUT A., KARATAŞ G., SEZER Z. A.  
 International Conference on Computer Science and Engineering, Tekirdağ, Turkey, 20 - 23 October 2016, (Full Text)
- XVIII. Xamarin test bulutu üzerinde mobil uygulama testi**  
 Akbulut A., Çatal Ç., Demiray E., Özen O.  
 10th Turkish National Software Engineering Symposium, UYMS 2016, Çanakkale, Turkey, 24 - 26 October 2016, vol.1721, pp.251-259, (Full Text)
- XIX. Bilgisayar Destekli Otizm Terapi Sistemi Tasarımı**  
 AKBULUT A.  
 Tıp Teknolojileri Ulusal Kongresi, TIPTEKNO'15, Muğla, Turkey, 15 - 18 October 2015, (Full Text)
- XX. Computer Aided Autism Therapy System Design**  
 AKBULUT A.  
 Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015, (Full Text)
- XXI. HMM based classification of sports videos using color feature**  
 Hanna J., Patlar Akbulut F., Akbulut A., Mendi E., Bayrak C.  
 2012 6th IEEE International Conference Intelligent Systems, IS 2012, Sofija, Bulgaria, 6 - 08 September 2012, pp.388-390, (Full Text)
- XXII. Agent based pornography filtering system**

Akbulut A., Patlar Akbulut F., Bayrak C., Mendi E., Hanna J.

International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2012, Trabzon, Turkey, 2 - 04 July 2012, (Full Text)

**XXIII. Accessing to Data in WSNs**

AKBULUT A., AYDIN M. A., ATMACA T., ZAİM A. H.

International Conference on Networking and Future Internet ICNFI 2012, İstanbul, Turkey, 25 - 27 June 2012, (Full Text)

**XXIV. Agent based production line monitoring system**

Akbulut A., Patlar Akbulut F.

IADIS International Conference Intelligent Systems and Agents 2011, Part of the IADIS Multi Conference on Computer Science and Information Systems 2011, MCCSIS 2011, Rome, Italy, 24 - 26 July 2011, pp.82-86, (Full Text)

**XXV. Design of speaker independent turkish speech control system in noisy vehicle environment**

Patlar Akbulut F., Akbulut A.

IASTED International Conference on Signal and Image Processing and Applications, SIPA 2011, Crete, Greece, 22 - 24 June 2011, pp.93-97, (Full Text)

**XXVI. Wireless sensor networks for space and Solar-system missions**

Akbulut A., Patlar Akbulut F., Zaim A. H., Yilmaz G.

5th International Conference on Recent Advances in Space Technologies, RAST 2011, İstanbul, Turkey, 9 - 11 June 2011, pp.616-618, (Full Text)

**XXVII. GIS Application Design For Public Health Care System using Dijkstra's Algorithms**

PATLAR AKBULUT F., AKBULUT A.

2nd International Symposium on Computing in Science and Engineering Conference, Aydın, Turkey, 8 - 10 August 2011, pp.616-618, (Full Text)

**XXVIII. Energy and Distance Factor Based Routing Protocol for Wireless Sensor Networks Using Mobile Agents**

AKBULUT A., PARMAKSIZOĞLU C., ZAİM A. H., YILMAZ G.

5th International Conference IEEE Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 9 - 11 June 2011, pp.399-402, (Full Text)

**XXIX. RFID Destekli Eş Zamanlı Sınav Sistemi**

KIRATLI G., TARAKCIO S., AKBULUT A.

Akıllı Sistemlerde Yenilikler Ve Uygulamaları Sempozyumu 2010, Kayseri, Turkey, 21 - 24 August 2010, (Full Text)

**XXX. Triphone based continuous speech recognition system for Turkish language using hidden Markov model**

Patlar Akbulut F., Akbulut A.

12th IASTED International Conference on Signal and Image Processing, SIP 2010, Maui, HI, United States Of America, 23 - 25 August 2010, pp.13-17, (Full Text)

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## **Memberships and Roles in Scientific Organizations**

IEEE , Member, 2017 - Continues, United States Of America

## **Scientific Project Refereeing**

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, April 2024

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## **Metrics**

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