

Assoc. Prof. Mehmet Siddik AKTAŞ

Personal Information

Office Phone: [+90 212 383 5730](tel:+902123835730)

Fax Phone: [+90 212 383 5782](tel:+902123835782)

Web: <https://avesis.yildiz.edu.tr/aktas>

Biography

Prof. Mehmet Aktas is an Associate Professor of Computer Engineering Department at Yıldız Technical University since 2013. Professor Aktas received his PhD and Master's degrees in Computer Science from the School of Informatics and Computing at Indiana University and Electrical Engineering and Computer Science Department at Syracuse University, respectively. During his graduate education, Prof. Aktas worked in the Decision Applications Division at Los Alamos National Laboratory doing research on service-oriented based computing for e-science simulations. He also worked with NASA Jet Propulsion Laboratory focusing on workflow-style grid applications for building an earth science framework for modelling and understanding earthquake and tectonic processes. Aktas completed his post-doc in Data to Insight Center (D2I) at Indiana University. He contributed to D2I's work related to data at scale, contributing to projects that help scientists better understand the complex environments and circumstances under which scientific experiments are performed in order to assist with reproducibility. He has edited a book, published a number of book chapters, sci-indexed journal and peer-reviewed conference papers. Prof. Aktas has research interests in long-term preservation and access to scientific data, large-scale data management and big data processing in cloud computing platforms. Aktas is a recipient of the prestigious Tubitak Early Career award and is an ACM and IEEE Member.

Education Information

Doctorate, Indiana University Bloomington, School Of Informatics, Computing And Engineering, Bilgisayar Mühendisliği, United States Of America 2001 - 2007

Post Graduate, Indiana University Bloomington, School Of Informatics, Computing And Engineering, Bilgisayar Mühendisliği, United States Of America 2001 - 2003

Post Graduate, Syracuse University, Electrical Engineering & Computer Science, Bilgisayar Mühendisliği, United States Of America 1999 - 2001

Under Graduate, İstanbul Technical University, İşletme, Endüstri Mühendisliği, Turkey 1993 - 1997

Foreign Languages

English, C2 Proficiency

German, B2 Upper Intermediate

Dissertations

Doctorate, Information Federation in Grid Information Systems, Indiana University, Computer Science, 2007

Research Areas

Distributed Systems, Parallel Algorithms, Computer Learning, Software Engineering

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty of Electrical & Electronics, 2017 - Continues
Assistant Professor, Yıldız Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2013 - 2017
Lecturer PhD, Indiana University Bloomington, Pervasive Technology Institute, Data to Insight Center, 2010 - 2011
Lecturer PhD, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2009 - 2009
Lecturer PhD, Marmara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2008 - 2009
Research Assistant, Indiana University Bloomington, Pervasive Technology Institute, Community Grids Lab., 2001 - 2006

Professional Experience

Mevlana Exchange Program Coordinator, Yıldız Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2014 - Continues
Program Coordinator, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Information Technologies Master Program, 2013 - Continues

Courses

Web Mining, Post Graduate, 2017 - 2018
Parallel and Distributed Computing, Doctorate, 2017 - 2018
Object Oriented Programming, Under Graduate, 2016 - 2017
Semantic Web, Post Graduate, 2016 - 2017
Big Data Processing and Analytics, Under Graduate, 2015 - 2016
High Performance Computing, Under Graduate, 2014 - 2015
Data Mining, Post Graduate, 2008 - 2009

Advising Theses

Aktaş M. S. , Provenance Use In Social Media Software To Develop Methodologies For Detection Of Information Pollution, Doctorate, M.Jehad(Student), 2019
Aktaş M. S. , Örtülü olarak tanımlanmış özelliklere dayalı ve ontoloji destekli düşünce madenciliğine bir yaklaşım, Post Graduate, D.Kanbur(Student), 2018
Aktaş M. S. , Ontoloji tabanlı bilgi haritalama yöntemi, Post Graduate, N.Yüzbaşıoğlu(Student), 2016
Aktaş M. S. , Feature extraction methodology for provenance data using SNA metrics, Post Graduate, M.Güngören(Student), 2016
Aktaş M. S. , Ontoloji ve durumsal tabanlı çıkarsamaya dayalı işbirlikçi tavsiye yöntemi, Post Graduate, Z.Düzen(Student), 2016
Aktaş M. S. , Popülerite Tabanlı Sıralama Algoritmalarının Doğruluk Değerlerini Arttırmaya Yönelik Yöntem Geliştirilmesi, Post Graduate, S.Kırtaç(Student), 2014
Aktaş M. S. , Nesneye Dayalı Programlama Tabanlı Yazılımlarda Yazılım Metrikleri Kullanılarak Yapısal Kod Klon Tespiti, Post Graduate, M.Kapdan(Student), 2014

Research Infrastructure Information

Aktaş M. S. , Software Quality Laboratory, February 2013
Aktaş M. S. , Big Data and Cloud Computing Lab, February 2013

Program Developments

Aktaş M. S. , Masters Without Thesis, Information Technologies, 2013 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Application of provenance in social computing: A case study**
Riveni M., Tien-Dung Nguyen T. N. , AKTAŞ M. S. , Dustdar S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.31, 2019 (Journal Indexed in SCI)
- **Provenance aware run-time verification of things for self-healing Internet of Things applications**
Aktaş M. S. , Astekin M.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.31, 2019 (Journal Indexed in SCI)
- **Detecting misinformation in social networks using provenance data**
Baeth M. J. , Aktaş M. S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.31, 2019 (Journal Indexed in SCI)
- **Hybrid cloud computing monitoring software architecture**
AKTAŞ M. S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.30, 2018 (Journal Indexed in SCI)
- **Special issue on High performance computing conference (BASARIM-2017)**
Unat D., AKTAŞ M. S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.30, 2018 (Journal Indexed in SCI)
- **An approach to custom privacy policy violation detection problems using big social provenance data**
Baeth M. J. , Aktaş M. S.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.30, 2018 (Journal Indexed in SCI)
- **Structural Code Clone Detection Methodology Using Software Metrics**
AKTAŞ M. S. , Kapdan M.
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING, vol.26, pp.307-332, 2016 (Journal Indexed in SCI)
- **Temporal representation for mining scientific data provenance**
Chen P., Plale B., Aktaş M. S.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF GRID COMPUTING AND ESCIENCE, vol.36, pp.363-378, 2014 (Journal Indexed in SCI)
- **Effectiveness of an Online Automated Evaluation and Feedback System in an Introductory Computer Literacy Course**
VARANK İ., ADIGÜZEL T., ERKOÇ M. F. , KÖŞKEROĞLU BÜYÜKİMDAT M., AKTAŞ M. S. , CÖMERT Z., YENİ S., ESGİN E.
EURASIA J. Math, Sci & Tech Ed., vol.10, pp.395-402, 2014 (Journal Indexed in SSCI)
- **Provenance Capture and Use in a Satellite Data Processing Pipeline**
Jensen S., Plale B., AKTAŞ M. S. , Luo Y., Chen P., Conover H.
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, vol.51, pp.5090-5097, 2013 (Journal Indexed in SCI)
- **Mobile Web Service Architecture Using Context-store**
Oh S., Aktas M. S. , Fox G. C.
KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, vol.4, pp.836-858, 2010 (Journal Indexed in SCI)
- **High-performance hybrid information service architecture**
Aktas M. S. , Pierce M.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.22, pp.2095-2123, 2010 (Journal Indexed in SCI)
- **A Federated Approach to Information Management in Grids**
Aktas M. S. , FOX G. C. , PIERCE M.
INTERNATIONAL JOURNAL OF WEB SERVICES RESEARCH, vol.7, pp.65-98, 2010 (Journal Indexed in SCI)
- **Building and applying geographical information system Grids**
Aydin G., Sayar A., Gadgil H., Aktas M. S. , Fox G. C. , Ko S., Bulut H., Pierce M. E.
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.20, pp.1653-1695, 2008 (Journal Indexed in SCI)
- **XML metadata services**
Aktas M. S. , Fox G. C. , Pierce M., OH S.

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.20, pp.801-823, 2008 (Journal Indexed in SCI)

- **The QuakeSim project: Web services for managing geophysical data and applications**
Pierce M. E. , Fox G. C. , Aktas M. S. , Aydin G., Gadgil H., Qi Z., Sayar A.
PURE AND APPLIED GEOPHYSICS, vol.165, pp.635-651, 2008 (Journal Indexed in SCI)
- **Fault tolerant high performance Information Services for dynamic collections of Grid and Web services**
Aktas M. S. , FOX G. C. , PIERCE M.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.23, pp.317-337, 2007 (Journal Indexed in SCI)
- **ISERVO: Implementing the International Solid Earth Research Virtual Observatory by integrating computational grid and geographical information Web Services**
Aktas M. S. , AYDIN G., DONNELLAN A., FOX G., GRANAT R., GRANT L., LYZENGA G., MCLEOD D., PALLICKARA S., PARKER J., et al.
PURE AND APPLIED GEOPHYSICS, vol.163, pp.2281-2296, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Detecting Complex Events With Real Time Monitoring Infrastructure On Event-Based Systems**
AKTAŞ M. S.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, 2018 (Other Refereed National Journals)
- **A software architecture for monitoring big data storage platforms**
AKTAŞ M. S.
Pamukkale Üniversitesi Eğitim Fakültesi Dergisi, vol.23, pp.597-601, 2017 (National Refreed University Journal)
- **An Automated Framework for Mining Reviews from Blogosphere**
BALOĞLU K. A. , AKTAŞ M. S.
International Journal on Advances in Internet Technology (presented at ICIW-10 Conference, May 2010), vol.3, pp.234-244, 2010 (Refereed Journals of Other Institutions)
- **Algorithms and the Grid**
Fox G., AKTAŞ M. S. , AYDIN G., Gadgil H., Pallickara S., Pierce M., SAYAR A.
Computing and Visualization in Science (presented at ALGORITMY-05 Conference, March 2005), vol.12, pp.115-124, 2009 (Refereed Journals of Other Institutions)
- **Architecture for High-Performance Web Service Communications using an Information Service**
Oh S., AKTAŞ M. S. , Pierce M., Fox G.
WSEAS Transactions on Computers, vol.7, pp.1510-1519, 2006 (Refereed Journals of Other Institutions)
- **Grids for Real Time Data Applications**
Fox G., AKTAŞ M. S. , Aydin G., Bulut H., Gadgil H., Oh S., Pallickara S., Pierce M., Sayar A., Zhai G.
LECTURE NOTES IN COMPUTER SCIENCE, vol.3911, pp.320-332, 2006 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **Association Rule Mining on Big Data Sets**
Celik O., Hasanbasoglu M., Aktaş M. S. , Kalıpsız O.
in: Data Mining - Methods, Applications and Systems, Derya Birant, Editor, IntechOpen Limited, London, pp.1-10, 2020
- **Provisioning System for Application Virtualization Environments**
Büyüktanır T., Aktaş M. S. , Tüzün H.
in: Big Data Analytics for Sustainable Computing, H. Anandakumar, Editor, Global Publications , Pennsylvania, pp.1-15, 2019
- **Data Imputation Methods for Missing Values in the Context of Clustering**
AKTAŞ M. S. , KAPLAN S., ABACI H., KALIPSIZ O., KETENCİ U., TURGUT U. O.
in: Big Data and Knowledge Sharing in Virtual Organizations, Idongesit William, Albert Gyamfi, Editor, IGI Global,

2019

- **Mobile Application Verification: A Systematic Mapping Study**
Şahinoğlu M., İnçki K., AKTAŞ M. S.
in: Computational Science and Its Applications – ICCSA 2015, Osvaldo Gervasi, Editor, Springer, Banff, Ab, Canada, pp.147-163, 2015
- **Unmanaged Workflows: Their Provenance and Use**
AKTAŞ M. S. , Plale B., Leake D., Mukhi N.
in: Data Provenance and Data Management for eScience, Quan Bai, Qing Liu, Stephen Guigni, Darrell Williamson and John Taylor, Editor, Springer, pp.59-69, 2013
- **Unmanaged Workflows: Their Provenance and Use**
AKTAŞ M. S. , Plale B., Leake D., Mukhi N.
in: Data Provenance and Data Management in eScience, Qing Liu, Editor, Springer-Verlag , Berlin Heidelberg, pp.59-81, 2013
- **Principles And Experiences: Designing and Building Enterprise Information Systems**
AKTAŞ M. S.
in: Always On Enterprise Information Systems for Business Continuance Technologies for Reliable and Scalable Operations, Nijaz Bajgoric (University of Sarajevo, Bosnia and Herzegovina), Editor, IGI Global, pp.58-77, 2010
- **Research on Computer Science,Computer and Electronics Engineering: Topics in CS,CE**
Aktaş M. S. (Editor), Elbaşı E. (Editor)
VDE-Verlag GmbH, Berlin, 2009
- **Mining Massive Datasets**
AKTAŞ M. S.
in: Research on Computer Science,Computer and Electronics Engineering: Topics in CS,CE, Ersin Elbaşı, Mehmet S. Aktaş, Editor, Vdm Verlag, İstanbul, pp.1-15, 2009
- **A Retrospective on theDevelopment of Web Service Specifications**
Pallickara S., Fox G., AKTAŞ M. S. , Gadgil H., Yıldız B., Oh S., Patel S., Pierce M., Yeme D.
in: Securing Web Services Practical Usage of Standards and Specifications, Dr. Periorellis Panos , Editor, Idea Group Inc, 2007
- **Grids for Real Time Data Applications (presented at PPAM-05 Conference, September 2005)**
Fox G., AKTAŞ M. S. , AYDIN G., BULUT H., Gadgil H., Oh S., Pallickara S., Pierce M., SAYAR A., Zhai G.
in: Parallel Processing and Applied Mathematics, Roman Wyrzykowski, Jack Dongarra, Norbert Meyer, Jerzy Waśniewski, Editor, Springer, 2006
- **Using Hyperlink Features to Personalize WebSearch (presented at WebKDD -04 Workshop, August, 2004)**
AKTAŞ M. S. , NACAR M. A. , MENCZER F.
in: Advances in Web Mining and Web Usage Analysis Lecture Notes in Computer Science, Bamshad Mobasher, Olfa Nasraoui, Bing Liu, Brij Masand, Editor, Springer, pp.104-115, 2006
- **Real Time Streaming Data Grid Applications (presented at TIWDC-05 Workshop, July 2005)**
Fox G., AKTAŞ M. S. , AYDIN G., BULUT H., Pallickara S., Pierce M., SAYAR A., Wu W., Zhai G.
in: Distributed Cooperative Laboratories Networking Instrumentation and Measurements, F.Davoli, S. Palazzo, S. Zappatore, Eds., Norwell, MA, Editor, Springer, 2006

Refereed Congress / Symposium Publications in Proceedings

- **Design and Verification of Cargo Management Processes Using Microservice-Based Software Architecture: A Case Study**
Büyüktanır T., Keçici May H., Şebboy C., Yalçın D., Aktaş M. S.
Proceedings of the International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAAME 2020), Antalya, Turkey, 24 May - 26 October 2020, pp.1-6
- **Real-time Pattern Detection Methodology for Monitoring Student Behaviour on E-Learning Platform in the Field of Financial Sciences: Case Study**
Aktaş M. S. , Aktaş D. E.
28. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Gaziantep, Turkey, 5 - 07 October 2020, pp.1-4

- **Opinion Mining on Usability Testing Data**
Tekin Ç., Yüksek H., Aktaş M. S. , Arslan B., Şahin Y.
28. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Gaziantep, Turkey, 5 - 07 October 2020, pp.1-4
- **Software Architecture of a System Designed for Churn Analysis and Customer Retention in Banking Industry**
Bozan E., Gul G., Tigrak U., Demirci E., Saribiyik H., Aktaş M. S.
The 20th International Conference on Computational Science and Applications (ICCSA 2020), Cagliari, Italy, 1 - 04 July 2020, pp.1-6
- **Human Factor on Software Quality: A Systematic Literature Review**
Güveyi E., Aktaş M. S. , Kalıpsız O.
The 20th International Conference on Computational Science and Applications (ICCSA 2020), Cagliari, Italy, 1 - 04 July 2020, pp.1-10
- **Web Application Testing With Model Based Testing Method: Case Study**
Akpınar P., Aktaş M. S. , Keleş A. B. , Balaman Y., Özdemir Güler Z., Kalıpsız O.
2nd International Conference on Electrical, Communication and Computer Engineering, Gaziantep, Turkey, 12 - 13 June 2020, pp.1-6
- **Prediction of Success and Complex Event Processing on E Learning Platforms**
Sudan B., Cansız S., Öğretici E., Aktaş M. S.
2nd International Conference on Electrical, Communication and Computer Engineering, İstanbul, Turkey, 12 June 2020, pp.1-6
- **Management of Virtualization Technologies with Complex Event Processing**
Yıldız E. C. , Aktaş D. E. , Ünal E., Tüzün H., Aktaş M. S.
2nd International Conference on Electrical, Communication and Computer Engineering, İstanbul, Turkey, 12 - 13 June 2020, pp.1-6
- **Financial Risk Prediction Based on Case Based Reasoning Methodology**
Kapdan F., Aktaş M. G. , AKTAŞ M. S.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, 31 October - 02 November 2019
- **On the Use of Hyperparameter Optimization in Big Data Processing Pipelines: A Case Study**
Dhaouadi J., AKTAŞ M. S. , KALIPSIZ O., Balçık E.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, 31 October - 02 November 2019
- **Company Sales Prediction and Stock Exchange Inverstor Profit Prediction based on Company Balance Sheet Data**
Erboy M. O. , Bulut N., Shakeri S., Yüzük S., AKTAŞ M. S.
4. Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2019), 11 - 15 September 2019
- **Implementation of Hyperparameter Algorithms on Big Data Platforms: A Case Study**
Mangliyeva M., Tanrıverdi B., AKTAŞ M. S. , KALIPSIZ O., Balçık E.
4. Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2019), 11 - 15 September 2019
- **Bankruptcy Risk Forecast Based on Company Balance Sheet Data Using Machine Learning**
Kesgin T., Shakeri S., Bulut N., Yüzük S., AKTAŞ M. S.
4. Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2019), 11 - 15 September 2019
- **Implementation of Data Preprocessing Techniques on Big Data Platforms**
Çelik O., Hasanbaşıoğlu M., Kalıpsız O., Aktaş M. S. , Kanlı A. N.
Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2019), Samsun, Turkey, 11 - 15 September 2019, pp.1-6
- **Implementation of Association Rule Mining Algorithms on Distributed Data Processing Platforms**
Sesver D., Tuna S., Aktaş M. S. , Kalıpsız O., Turgut U. O. , Kanlı A. N.
Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2019), Samsun, Turkey, 11 - 15 September 2019, pp.1-6
- **On the Use of Technical Analysis Indicators for Stock Market Price Movement Direction Prediction**
Oğuz R. F. , Uygun Y., AKTAŞ M. S. , Aykurt İ.
27th Signal Processing and Communications Applications Conference, 24 - 26 April 2019
- **Prediction of Purchase Intention on the E-Commerce Clickstream Data**
Gürbüz A., AKTAŞ M. S.

27th Signal Processing and Communications Applications Conference, 24 - 26 April 2019

- **On the Performance Analysis of Map-Reduce Programming Model on In-Memory NoSQL Storage Platforms: A Case Study**

YÜZÜK S., Aktaş M., AKTAŞ M. S.

International Congress on Big Data, Deep Learning, 3 - 04 December 2018

- **Technical Analysis on Financial Time Series Data based on Map-Reduce Programming Model: A Case Study**

UYGUN Y., ERBOY M. O. , AKTAŞ M. S. , KALIPSIZ O., AYKURT İ.

International Congress on Big Data, Deep Learning, 3 - 04 December 2018

- **Investigation of Different Approaches for Recommendation System**

AKTAŞ M. S. , ARPACIA.

ELECO 2018, Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, 30 November 2018

- **Provisioning System for Application Virtualization Environments**

Büyüktanır T., Tüzün H., AKTAŞ M. S.

International Conference on Computer Science and Engineering (UBMK) 2018, 20 - 23 September 2018

- **On the Data Stream Processing Frameworks: A Case Study**

Dhaouadi J., AKTAŞ M. S.

International Conference on Computer Science and Engineering (UBMK) 2018, 20 - 23 September 2018

- **Feature Selection Methods on Distributed Big Data Processing Platforms**

ÇATALKAYA M. B. , AKTAŞ M. S. , KALIPSIZ O., UMUT T.

International Conference on Computer Science and Engineering (UBMK) 2018, 20 - 23 September 2018

- **A Data Provenance Visualization Approach**

Yazıcı İ. M. , Karabulut E., AKTAŞ M. S.

The 14th International Conference on Semantics, Knowledge and Grids, 12 - 14 September 2018

- **Provenance Collection Platform for the Weather Research and Forecasting Model**

Tüfek A., Gürbüz A., Ekuklu Ö. F. , AKTAŞ M. S.

The 14th International Conference on Semantics, Knowledge and Grids, 12 - 14 September 2018

- **Data Mining Library for Big Data Processing Platforms: A Case Study – Sparkling Water Platform**

YILDIZ E. C. , AKTAŞ M. S. , KALIPSIZ O., KANLI A., TURGUT U.

International Conference on Computer Science and Engineering (UBMK) 2018, 20 September - 23 August 2018

- **Credit risk analysis with classification Restricted Boltzmann Machine**

BAYRAKTAR M., AKTAŞ M. S. , KALIPSIZ O., SUSUZ O., BAYRACI S.

26th Signal Processing and Communications Applications Conference (SIU-2018), 2 - 05 May 2018

- **Detecting misinformation in social networks using provenance data**

Baeth M. J. , AKTAŞ M. S.

13th International Conference on Semantics, Knowledge and Grids, SKG 2017, Beijing, China, 14 - 15 August 2017, pp.85-89

- **Hyperparameter Optimization for Recommendation Systems with Big Data**

Pınar M., OKUMUŞ O., TURGUT U., KALIPSIZ O., AKTAŞ M. S.

Turkish National Software Engineering Symposium 2017, 18 - 20 October 2017

- **İstatistiksel ve Makine Öğrenimi Yöntemleriyle Kredi Skorlama**

Demirbulut Y. E. , AKTAŞ M. S. , KALIPSIZ O.

UYMS 17, Antalya, Turkey, 18 October 2017, pp.1-15

- **Bulut Bilişim Sistemleri Üzerinde Kullanım Verilerine Dayalı Öneri Sistemi**

AKTAŞ M. S. , NURAL T.

1. Ulusal Bulut Bilişim ve Büyük Veri Sempozyumu, Turkey, 18 - 20 October 2017

- **Büyük Veri İçeren Öneri Sistemleri İçin Hiperparametre Optimizasyonu**

Pınar M., AKTAŞ M. S. , KALIPSIZ O.

UYMS 17, İstanbul, Turkey, 18 October 2017, pp.1-15

- **Implicit feature detection by ontology aided feature-based opinion summarization**

Kanbur D., Aktaş M. S.

International Conference on Computer Science and Engineering (UBMK), 2017, Barcelona, Spain, 05 October 2017 - 08 January 2018

- **Kendin-Kur Bulut Bilişim Platformlarına Yönelik Karmaşık Olay İşlemeye Dayalı İzleme ve Hata Tespiti Sistemi**
Bayraktar M., AKTAŞ M. S.
BAŞARIM 2017, İstanbul, Turkey, 14 September 2017, pp.1-15
- **An Approach to Copyright Violation Detection Problem Using Big Social Provenance Data**
Baeth J., AKTAŞ M. S.
5. Ulusal Yüksek Başarımlı Hesaplama Konferansı, 14 - 15 September 2017
- **Kendin-Kur Bulut Bilişim Platformlarına Yönelik Karmaşık Olay İşlemeye Dayalı İzleme ve Hata Tespiti Sistemi**
Bayraktar M., Alkhairat A., AKTAŞ M. S.
5. Ulusal Yüksek Başarımlı Hesaplama Konferansı, 14 - 15 September 2017
- **Misinformation Detection in Social Networks Using Provenance Data**
Baeth J., AKTAŞ M. S.
The International Conference on Semantics, Knowledge and Grids, 14 - 15 August 2017
- **Provenance in Social Computing: A Case Study**
Riveni M., Baeth J., AKTAŞ M. S. , Dustdar S.
The International Conference on Semantics, Knowledge and Grids, 14 - 15 August 2017
- **Implementation of Analytical Hierarchy Process in Detecting Structural Code Clones**
AKTAŞ M. S. , Kapdan M.
The 17th International Conference on Computational Science and Its Applications (ICCSA 2017), 3 - 06 July 2017
- **Ontology Based Aspect Oriented Opinion Summary Methodology**
kanbur d., AKTAŞ M. S.
The Fifth International Conference on Building and Exploring Web Based Environments, WEB 2017, 21 - 25 May 2017
- **A Large Scale Synthetic Social Provenance Database**
Baeth J., AKTAŞ M. S.
The Ninth International Conference on Advances in Databases, Knowledge, and Data Applications, DBKDA 2017, 21 - 25 May 2017
- **A Novel Approach to User Involved Big Data ProvenanceVisualization**
yazıcı i., AKTAŞ M. S.
The Ninth International Conference on Advances in Databases, Knowledge, and Data Applications, DBKDA 2017, 21 - 25 May 2017
- **A Mapping Study on The Behavirol Analysis of Tor Relay Protocol**
İNCE A. B. , AKTAŞ M. S.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.288-293
- **Bankacılık Uygulamalarının İnsan Bilgisayar Etkileşimi Standartları Kullanılarak İyileştirilmesi**
Tatar S., Temel Ş., AKTAŞ M. S. , KALIPSIZ O.
10. Ulusal Yazılım Mühendisliği Sempozyumu, 24 - 26 October 2016
- **Çok Yanıtlı Doğrusal Regresyon Algoritmasıyla Lojistik Regresyon ve Birliktelik Kuralı Sonuçlarının Birleştirilmesi**
Ekmeççi N., Kasap Ö. Y. , Ketenci U. G. , KALIPSIZ O., AKTAŞ M. S.
10. Ulusal Yazılım Mühendisliği Sempozyumu, 24 - 26 October 2016
- **Cok Yanitli Dogrusal Regresyon Algoritmasiyla Lojistik Regresyon ve Birliktelik Kurali Sonuclarinin Birlestirilmesi**
Ekmeççi N., AKTAŞ M. S. , KALIPSIZ O.
UYMS-16, İzmir, Turkey, 24 October 2016, pp.611-622
- **Bankacilik Uygulamalarinin Insan Bilgisayar Etkilesimi Standartlari Kullanilarak Iyilestirilmesi**
Tatar S., AKTAŞ M. S. , KALIPSIZ O.
UYMS-16, İzmir, Turkey, 24 October 2016, pp.400-407
- **Usage of Time Series Based Databases in Open Source Cloud Computing Systems Openstack Experiment**
AYDIN O., AKTAŞ M. S.

International Conference on Computer Science and Engineering (UBMK 2016), 20 - 23 October 2016

- **Comparison of Supervised Learning Algorithms Performances**
Kırtay S. H. , Dayıoglugil A. B. , Halıcı T., KALIPSIZ O., AKTAŞ M. S.
International Conference on Computer Science and Engineering (UBMK 2016), 20 - 23 October 2016
- **Improving Awareness in Ambient Assisted Living Systems Consolidated Data Stream Processing**
İNÇKİ K., AKTAŞ M. S.
The 3rd EAI International Conference on IoT Technologies for HealthCare, 18 - 19 October 2016
- **A Big Data Processing Framework for Self Healing Internet of Things Applications**
Dündar B., Astekin M., AKTAŞ M. S.
The International Conference on Semantics, Knowledge and Grids on Big Data, 15 - 17 August 2016
- **An Approach to Standalone Provenance Systems for Big Social Provenance Data**
TAŞ Y., BAETH J., AKTAŞ M. S.
The International Conference on Semantics, Knowledge and Grids on Big Data, 15 - 17 August 2016
- **An Approach To Hybrid Personalized Recommender Systems**
DÜZEN Z., AKTAŞ M. S.
International Symposium on INnovations in Intelligent SysTems and Applications, 02 August 2016
- **A Novel Reduced Representation Methodology for Provenance Data**
Güngören M., Aktaş M. S.
The 8th International Conference on Advances in Databases Knowledge and Data Applications (DBKDA -16), Lisbon, Portugal, 26 - 30 June 2016
- **Provenance Aware Self Healing System For Heterogeneous Computing Environment**
DÜNDAR B., AKTAŞ M. S.
The 11th International Conference on Internet and Web Applications and Services (ICW-16), Valencia, Spain, 22 - 26 May 2016
- **Ontology Aided Knowledge Mapping Workflow Execution Environment for Semantic Information Extraction**
Yüzbaşıoğlu N., Aktaş M. S.
6th WORLD CONFERENCE on INNOVATION and COMPUTER SCIENCES INSODE-2016, Antalya, Turkey, 12 - 14 May 2016
- **Kullanıcı Arayüzü Tasarımlarının Üst Düzey Programlama Dillerine Dönüştürülmesine Bir Yaklaşım**
Turgut U. O. , Bağcı V., AKTAŞ M. S. , KALIPSIZ O.
UYMS-15, Girne, Cyprus (Kktc), 20 October 2015, pp.1-10
- **On the Detection of Information Pollution and Violation of Copyrights in the Social Web**
Baeth M. J. , AKTAŞ M. S.
The 8th IEEE International Conference on Service Oriented Computing Applications (SOCA-15), 19 - 21 October 2015
- **Pazar Sepet Analizi için Örneklem Oluşturulması ve Birliktelik Kurallarının Çıkarılması**
Kırtay S. H. , Ekmekçi N., Halıcı T., Ketenci U. G. , AKTAŞ M. S. , KALIPSIZ O.
9. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS-15), Turkey, 15 - 17 September 2015
- **İlişkisel Veri Tabanı Sistemlerinde İşlem Yönetimi ve Büyük Verinin Saklanması**
AYDOĞAN S., DEMİREL E., KETENCİ U., AKTAŞ M. S. , HELVACIOĞLU İ., KALIPSIZ O.
9. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS-15), Turkey, 15 - 17 September 2015
- **Veri Madenciliğinde Özellik Seçim Tekniklerinin Bankacılık Verisine Uygulanması Üzerine Araştırma ve Karşılaştırmalı Uygulama**
YAZICI B., YASLI F., GÜRLEYİK H. Y. , TURGUT U. O. , AKTAŞ M. S. , KALIPSIZ O.
9. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS-15), Turkey, 15 - 17 September 2015
- **Test Case Prioritization Related to Code Quality**
ÖZTÜRK S., YAĞCIN., AKTAŞ M. S. , ÖZBEK M., PALİGU F.
The 2013 International Conference on Software Engineering Research and Practice (SERP-13), 22 - 25 July 2013
- **Temporal representation for scientific data provenance**
Chen P., Plale B., AKTAŞ M. S.
8th International Conference on E-Science (e-Science2012), 8 - 12 October 2012
- **A Composite Project Effort Estimation Approach in an Enterprise Software Development Project**

ÇATAL Ç., AKTAŞ M. S.

The 23rd International Conference on Software Engineering and Knowledge Engineering (SEKE-11), 11 - 13 July 2011

- **Isolation, Cloning and Nucleotide Sequence Analysis of Enolase Gene from Theileria annulata**
Akat A., AKTAŞ M. S. , Dumanli N., Turgut-Balik D.
36th FEBS Congress of the Biochemistry for Tomorrows Medicine, Torino, Italy, 25 - 30 June 2011, vol.278, pp.153
- **Semantic Enabled Metadata Discovery**
AKTAŞ M. S.
(ACM) Proceedings of the Fourth International Conference on Intelligent Computing and Information Systems - ICICIS 2009, Kahire, Egypt, 19 March 2009, pp.1-8
- **Optimizing web service messaging performance using a context store for static data**
Oh S., AKTAŞ M. S. , Pierce M., Fox G.
The 5th WSEAS International Conference on Telecommunications and Informatics (TELE-INFO-06), 24 - 27 May 2006, pp.334-342
- **Web Service Information Systems and Applications**
AKTAŞ M. S. , Aydın G., Fox G., Gadgil H., Pierce M., Sayar A.
GGF-16 Global Grid Forum Semantic Grid Workshop, Atina, Greece, 13 February 2006, pp.1-8
- **SERVOGrid Complexity Computational Environments CCE Integrated Performance Analysis**
AYDIN G., AKTAŞ M. S. , Fox G., Gadgil H., Pierce M., SAYAR A.
The 6th IEEE/ACM International Workshop on Grid Computing (GRID-05), 1 - 04 October 2005
- **Building Sensor Filter Grids: Information Architecture for the Data Deluge**
Fox G., AKTAŞ M. S. , Aydın G., Donnellan A., Gadgil H., Granat R., Pallickara S., Parker J., Pierce M. E. , Oh S., et al.
1st International Conference on SKG2005 Semantics, Knowledge and Grid, Pekin, China, 13 August 2005, pp.1-8
- **Managing Dynamic Metadata as Context**
AKTAŞ M. S. , Fox G., Pierce M.
The 2005 Istanbul International Computational Science and Engineering Conference (ICCSE-05), 1 - 04 July 2005
- **Implementing Geographical Information System Grid Services to Support Computational Geophysics in a Service Oriented Environment**
AKTAŞ M. S. , AYDIN G., Donnellan A., Fox G., Granat R., Lyzenga G., McLeod D., Pallickara S., Parker J., Pierce M., et al.
The 2005 Earth-Sun System Technology Conference (ESTC-05), 1 - 04 June 2005
- **A Web based Conversational Case Based Recommender System for Ontology aided Metadata Discovery**
Aktaş M. S. , Pierce M., Fox G., Leake D.
The 5th IEEE/ACM International Workshop on Grid Computing (GRID-04), Pennsylvania, United States Of America, 22 - 24 November 2004
- **Personalizing PageRank based on domain profiles**
AKTAŞ M. S. , NACAR M. A. , Menczer F.
WebKDD. 2004, 20 - 22 August 2004
- **Designing Ontologies and Distributed Resource Discovery Services for an Earthquake Simulation Grid**
AKTAŞ M. S. , Pierce M., Fox G.
The 11th Global Grid Forum Semantic Grid Applications Workshop (GGF-11), 10 - 14 June 2004
- **The Online Knowledge Center Building a Component Based Portal**
BALSOY Ö., AKTAŞ M. S. , AYDIN G., AYSAN M. N. , İKİBAŞ C., KAPLAN A., KİM J., PIERCE M., TOPÇU A., YILDIZ B., et al.
The 2002 International Conference on Information and Knowledge Engineering (IKE-02), 24 - 27 June 2002

Supported Projects

AKTAŞ M. S. , TUBITAK Project, Provenans Kullanılarak Sosyal Medya Yazılımlarında Bilgi Kirliliğinin Ve Telif Hakları İhlallerinin Tespiti İçin Yöntemler Geliştirilmesi, 2015 - 2017

AKTAŞ M. S. , Project Supported by Higher Education Institutions, Yıldız Teknik Üniversitesi Yazılım Kalite Merkezi Projesi, 2013 - 2016

AKTAŞ M. S. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Kalkınma Bakanlığı Bilgi Haritası Araştırma ve Geliştirme Projesi, 2013 - 2014

AKTAŞ M. S. , ERKOÇ M. F. , KÖŞKEROĞLU BÜYÜKİMDAT M., TUBITAK Project, Temel Bilgi Teknolojisi Becerilerinin Kazandırılmasına Yönelik Gelistirilen Otomatik Değerlendirme ve Geri Bildirim Sistemi ile Verilecek Sosyal Paylaşım Temelli ve Bilgisayar Temelli Geri Bildirimin Öğrenme Performansına ve Öz-Yeterlilik Algısına Etkisi, 2012 - 2014

AKTAŞ M. S. , Other Supported Projects, Instant Karma Projesi, 2010 - 2012

AKTAŞ M. S. , Project Supported by Other Official Institutions, EPDK Düzenleyici Bilgi Sistemi Projesi, 2010 - 2011

AKTAŞ M. S. , Project Supported by Other Official Institutions, EPDK Bilisim Sistemleri Gelistirilmesi Projesi, 2010 - 2011

AKTAŞ M. S. , Project Supported by Other Official Institutions, NetKarma Projesi, 2009 - 2011

AKTAŞ M. S. , Other Supported Projects, Complexity Computational Environments: Data Assimilation and SERVO Grid Projesi - NSF Grant Number: 1253656, 2006 - 2010

AKTAŞ M. S. , Project Supported by Other Private Institutions, QuakeSim (Enabling Model Interactions in Solid EarthScience Sensor Webs) Projesi - NSF Grant Number: 1294763, 2007 - 2009

AKTAŞ M. S. , Project Supported by Other Private Institutions, VLab (The Virtual Laboratory for Earth and Planetary Materials) Projesi - NSF Grant Number: ITR- 0428774, 0427264, 0426867, 2004 - 2007

Tasks In Event Organizations

Aktaş M. S. , <http://www.basarim.org.tr/2017/doku.php>, Scientific Congress, İstanbul, Turkey, Eylül 2017

Scientific Research / Working Group Memberships

Büyük Veri Ve Bulut Bilişim Araştırma Grubu, Yıldız Technical University, Türkiye, <http://bigdata.yildiz.edu.tr>, 2013 - Continues

Yazılım Kalitesi Araştırma Grubu, Yıldız Technical University, Türkiye, <http://softwarequality.yildiz.edu.tr>, 2013 - Continues

Invited Congress and Symposium Activities

5. Ulusal Yüksek Başarımlı Hesaplama Konferansı, Panelists, İstanbul, Turkey, 2017

2015 Bulut Bilişim ve Büyük Veri Laboratuvarı Çalıştayı, Invited Speaker, İstanbul, Turkey, 2015

Citations

Total Citations (WOS):160

h-index (WOS):9