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Personal Information

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Education Information

Doctorate, Bogazici University, Institute Of Science, Bilgisayar Mühendisliği (Dr), Turkey 2001 - 2009

Postgraduate, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Sciences, Turkey 1995 - 1998

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 1990 - 1995

Foreign Languages

English, C1 Advanced

Academic Titles / Tasks

Assistant Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - Continues

Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Computer Engineering, 2002 - 2009

Advising Theses

ÖZGÖVDE B. A., Load related feature engineering for query execution time prediction, Postgraduate, Y.YENİGÜN(Student), 2018

ÖZGÖVDE B. A., Evaluating feasibility of container virtualization for virtual network functions, Postgraduate, U.ERGÜN(Student), 2018

ÖZGÖVDE B. A., Akıllı telefonlar üzerinde gerçek zamanlı eylem tanıma, Postgraduate, D.COŞKUN(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal server and service deployment for multi-tier edge cloud computing**
Ahat B., BAKTIR A. C., Aras N., ALTINEL İ. K., Ozgovde A., ERSOY C.
COMPUTER NETWORKS, vol.199, 2021 (SCI-Expanded)
- II. **Machine Learning-Based Workload Orchestrator for Vehicular Edge Computing**
Sonmez C., Tunca C., Ozgovde A., ERSOY C.
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.22, no.4, pp.2239-2251, 2021 (SCI-Expanded)
- III. **Fault tolerance in SDN data plane considering network and application based metrics**
Yamansavascilar B., BAKTIR A. C., Ozgovde A., ERSOY C.

JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.170, 2020 (SCI-Expanded)

- IV. **SLA-aware optimal resource allocation for service-oriented networks**
BAKTIR A. C., Ahat B., Aras N., Ozgovde A., ERSOY C.
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.101, pp.959-974, 2019 (SCI-Expanded)
- V. **Application-Aware Dynamic Energy Management for Portable Devices**
PINARER Ö., Ozgovde A.
COMPUTER, vol.52, no.11, pp.62-72, 2019 (SCI-Expanded)
- VI. **Fuzzy Workload Orchestration for Edge Computing**
Sonmez C., Ozgovde A., ERSOY C.
IEEE TRANSACTIONS ON NETWORK AND SERVICE MANAGEMENT, vol.16, no.2, pp.769-782, 2019 (SCI-Expanded)
- VII. **EdgeCloudSim: An environment for performance evaluation of edge computing systems**
Sonmez C., Ozgovde A., ERSOY C.
TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES, vol.29, no.11, 2018 (SCI-Expanded)
- VIII. **SDN-Based Multi-Tier Computing and Communication Architecture for Pervasive Healthcare**
BAKTIR A. C., Tunca C., Ozgovde A., Salur G., ERSOY C.
IEEE ACCESS, vol.6, pp.56765-56781, 2018 (SCI-Expanded)
- IX. **Dynamic energy-aware sensor configuration in multi-application monitoring systems**
Pinarer O., Gripay Y., Servigne S., Ozgovde A., Baskurt A.
PERVASIVE AND MOBILE COMPUTING, vol.41, pp.192-204, 2017 (SCI-Expanded)
- X. **How Can Edge Computing Benefit From Software-Defined Networking: A Survey, Use Cases, and Future Directions**
BAKTIR A. C., Ozgovde A., ERSOY C.
IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, vol.19, no.4, pp.2359-2391, 2017 (SCI-Expanded)
- XI. **Distributed and Online Fair Resource Management in Video Surveillance Sensor Networks**
Durmus Y., Ozgovde A., ERSOY C.
IEEE TRANSACTIONS ON MOBILE COMPUTING, vol.11, no.5, pp.835-848, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Improving the Energy Efficiency of Wearable Computing Units Using on Sensor Fifo Memory**
PINARER Ö., ÖZGÖVDE B. A.
International Journal of e-Education, e-Business, e-Management and e-Learning, vol.5, no.2, pp.105-113, 2015 (Peer-Reviewed Journal)
- II. **Wireless health monitoring for multiple patients on android phone with embedded computation**
PINARER Ö., Parmaksiz A., Ibrahim A., ARSLAN R. B., ÖZGÖVDE B. A.
Biomedical Engineering, vol.9, no.1, pp.569, 2012 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Enhancing QoE for Video Streaming Considering Congestion: A Fault Tolerance Approach**
Yamansavascilar B., BAKTIR A. C., Ozgovde A., ERSOY C.
IEEE Conference on Computer Communications (IEEE INFOCOM), Paris, France, 29 April - 02 May 2019, pp.258-263
- II. **Performance Evaluation of Single-Tier and Two-Tier Cloudlet Assisted Applications**
Sonmez C., Ozgovde A., ERSOY C.
IEEE International Conference on Communications (ICC) / Wireless Communications Symposium / 3rd Workshop on Optical Wireless Communications (OWC), Paris, France, 21 - 25 May 2017, pp.302-307
- III. **Fault Tolerant Data Plane Using SDN**

Yamansavascular B., BAKTIR A. C., Ozgovde A., ERSOY C.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- IV. **EdgeCloudSim: An Environment for Performance Evaluation of Edge Computing Systems**
Sonmez C., Ozgovde A., ERSOY C.
2nd International Conference on Fog and Mobile Edge Computing (FMEC), Valencia, Spain, 8 - 11 May 2017, pp.39-44
- V. **HETEROGENEOUS SENSOR DATA EXPLORATION AND SUSTAINABLE DECLARATIVE MONITORING ARCHITECTURE: APPLICATION TO SMART BUILDING**
Servigne S., Gripay Y., Pinarer O., Samuel J., Ozgovde A., Jay J.
1st International Conference on Smart Data and Smart Cities, Split, Croatia, 7 - 09 September 2016, pp.97-104
- VI. **Energy Enhancement of Multi-application Monitoring Systems for Smart Buildings**
Pinarer O., Gripay Y., Servigne S., Ozgovde A.
28th International Conference on Advanced Information Systems Engineering (CAiSE), Ljubljana, Slovenia, 13 - 17 June 2016, vol.249, pp.131-142
- VII. **Real-Time Multi-Application based Sensor Flux Management**
Pinarer O., Gripay Y., Servigne S., Ozgovde A.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.765-768
- VIII. **APPLICATION SPECIFIC DYNAMIC SLEEP SCHEDULING**
PINARER Ö., Ozgovde A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1765-1768
- IX. **Phone Position/Placement Detection using Accelerometer: Impact on Activity Recognition**
Coskun D., DURMAZ İNCEL Ö., Ozgovde A.
2015 IEEE Tenth Int Conference on Intelligent Sensors Sensor Networks & Information Proc (IISNIP), Singapore, Singapore, 7 - 09 April 2015
- X. **POSITION-AWARE ACTIVITY RECOGNITION ON MOBILE PHONES**
Coskun D., DURMAZ İNCEL Ö., Ozgovde A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1930-1933
- XI. **CHARACTERIZATION OF MOBILE APPLICATIONS ACCORDING TO THEIR ENERGY CONSUMPTIONS**
PINARER Ö., Ozgovde A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1995-1998
- XII. **Energy aware activity level monitoring with accelerometers**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
16th National Biomedical Engineering Meeting (BIYOMUT2012), Turkey, 3 - 05 October 2012
- XIII. **Topological measures for the analysis of wireless sensor networks**
Labatut V., Ozgovde A.
3rd International Conference on Ambient Systems, Networks and Technologies (ANT) / 9th International Conference on Mobile Web Information Systems (MobiWIS), Niagara Falls, Canada, 27 - 29 August 2012, vol.10, pp.397-404
- XIV. **Wireless monitoring of health data via an open platform**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
15th National Biomedical Engineering Meeting (BIYOMUT2011), Turkey, 13 - 16 October 2011
- XV. **Extending the wireless monitoring period for e health applications**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
Akademik Bilisim AB'11, Turkey, 2 - 04 February 2011

Supported Projects

ÖZGÖVDE B. A., Project Supported by Higher Education Institutions, YAYGIN HESAPLAMA VE MOBİL BULUT BİLİŞİM SİSTEMLERİNİN BAŞARIM ANALİZİ, 2016 - 2018

ÖZGÖVDE B. A., Project Supported by Higher Education Institutions, BİLGİ VE İLETİŞİM TEKNOLOJİLERİNDE YEŞİL YAKLAŞIMLARIN MODELLENMESİ, 2012 - 2015

ÖZGÖVDE B. A., Project Supported by Higher Education Institutions, ALGILAYICI AĞLARIN KARMAŞIK SİSTEM ÖZELLİKLERİNİN İNCELENMESİ, 2010 - 2012

ÖZGÖVDE B. A., Project Supported by Higher Education Institutions, TELSİZ ALGILAYICI AĞLARDA ÇOK-KİPLİ E-SAĞLIK UYGULAMALARININ GELİŞTİRİLMESİ, 2010 - 2012

Metrics

Publication: 28

Citation (WoS): 212

Citation (Scopus): 337

H-Index (WoS): 5

H-Index (Scopus): 7