

Assoc. Prof. Gülüstan DOĞAN

Personal Information

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Biography

Gulustan Dogan is currently an associate professor at Yıldız Technical University, İstanbul, Turkey. Her research interests are networks, data science and artificial intelligence. She received her B.Sc degree in Computer Engineering from Middle East Technical University, Turkey. She worked at NetApp and Intel as a software engineer in Silicon Valley, California. She received her PhD degree in Computer Science from City University of New York.

Education Information

Doctorate, City University Of New York, Computer Science, United States Of America 2008 - 2013

Under Graduate, Middle East Technical University, Faculty Of Engineering, Department Of Environmental Engineering, Turkey 2001 - 2005

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Dissertations

Doctorate, PROTRU: LEVERAGING PROVENANCE TO ENHANCE NETWORK TRUST IN A WIRELESS SENSOR NETWORK, City University Of New York, Computer Science, Computer Science, 2013

Research Areas

Computer Sciences, Computer Networks, Database and Data Structures, Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Software, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty of Education, Bilgisayar Öğretmenliği Ve Teknoloji Eğitimi, 2018
- Continues

Assistant Professor, Yıldız Technical University, Faculty of Education, 2014 - 2018

Research Assistant, City University of New York, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2008 - 2013

Advising Theses

Doğan G., KİŞİSELLEŞTİRİLMİŞ EĞİTİM İLKELERİ TEMELİNDE BİR ÖĞRENME ANALİTİĞİ PLATFORMUNUN KİŞİSELLEŞTİRİLMİŞ EĞİTİM İLKELERİ TEMELİNDE BİR ÖĞRENME ANALİTİĞİ PLATFORMUNUN SINIF İÇİ UYGULAMALARA YÖNELİK OLARAK GELİŞTİRİLMESİ, Post Graduate, S.Alkan(Student), Continues
Doğan G., Dynamic Resource Allocation, Post Graduate, H.Takshi(Student), Continues

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

- **A Case Study on English as a Second Language Speakers for Sustainable MOOC Study**
Duru İ., Sunar A. S. , White S., Diri B., Doğan G.
SUSTAINABILITY, vol.11, 2019 (Journal Indexed in SCI)
- **Joint Optimization of Device to Device Resource and Power Allocation Based on Genetic Algorithm**
Takshi H., DOĞAN G., Arslan H.
IEEE ACCESS, vol.6, pp.21173-21183, 2018 (Journal Indexed in SCI)
- **MultiProTru: A kalman filtering based trust architecture for two-hop wireless sensor networks**
DOĞAN G., Avincan K.
PEER-TO-PEER NETWORKING AND APPLICATIONS, vol.10, pp.278-291, 2017 (Journal Indexed in SCI)
- **Root cause diagnosis in error-propagating networks**
SEO E., DOĞAN G., ABDELZAHER T., BROWN T.
SECURITY AND COMMUNICATION NETWORKS, vol.9, pp.1297-1308, 2016 (Journal Indexed in SCI)
- **ProTru: a provenance-based trust architecture for wireless sensor networks**
DOĞAN G.
INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, vol.26, pp.131-151, 2016 (Journal Indexed in SCI)
- **A Survey of Provenance in Wireless Sensor Networks**
DOĞAN G.
AD HOC & SENSOR WIRELESS NETWORKS, vol.31, pp.173-197, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

- **DATA ANALYTICS OF BUILDING AUTOMATION SYSTEMS: A CASE STUDY**
DOĞAN G., BROWN T., DAGOBERT E., Ascazubi M., Manorge J.
International Journal of Intelligent Systems and Applications in Engineering, vol.2, pp.123-137, 2018 (Refereed Journals of Other Institutions)
- **Who Is the English as a Second Language Speaker in this MOOC?**
DOĞAN G., SUNAR YETGİN A. S. , DURU İ., WHITE S.
International Journal of Information and Education Technology, vol.8, pp.171-177, 2018 (Refereed Journals of Other Institutions)
- **Game Changers for Women in CS: Lessons Learned from Turkey**
Cilingir G., DOĞAN G., Sahin H., Yalcinalp U.
Muslim Women's Contributions to Society Journal, vol.1, pp.224-246, 2017 (Refereed Journals of Other Institutions)
- **What-if Analysis Using Provenance Models of Scientific Workflows**
DOĞAN G.
International Journal of Engineering and Technology, vol.8, pp.444-448, 2016 (Refereed Journals of Other Institutions)
- **Dataflow-Oriented Provenance System for Multifusion Wireless Sensor Networks**
DOĞAN G., Brown T.
Journal of Network and Complex Systems, vol.4, pp.11-20, 2014 (Refereed Journals of Other Institutions)
- **A Survey of Provenance Leveraged Trust in Wireless Sensor Networks**
DOĞAN G., Brown T.
Journal of Computer Engineering and Intelligent Systems, vol.5, no.2, pp.1-11, 2014 (Refereed Journals of Other Institutions)

Book & Book Chapters

- in: **Afet Yönetimi**

Refereed Congress / Symposium Publications in Proceedings

- **Analysis of English Language Groups with Regular Expressions Düzenli İfadeler ile İngilizce Dil Gruplarının Analiz Edilmesi**
DURU İ., DİRİ B., Özçevik M. E. , Ataseven K., DOĞAN G., White S.
2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, Adana, Turkey, 4 - 06 Ekim 2018
- **Analysis of English Language Groups with Regular Expressions**
Duru İ., Diri B., Dođan G., Sunar A. S.
Akıllı Sistemlerde Yenilikler Ve Uygulamaları Konferansı 2018, Adana, Turkey, 04 Ekim 2018, pp.1
- **English Language Proficiency Level Classification Of Students In A Massive Open Online Course**
Duru İ., Dođan G., Demir A. S. , Ata H., Diri B., White S.
International Conference On Advanced Technologies, Antalya, Turkey, 28 Nisan 2018, pp.451-460
- **Who Is The English As A Second Language Speaker In This MOOC,**
DOĞAN G., SUNAR A. S. , DURU İ., WHITE S.
2017 2nd International Conference on Information and Network Technologies (ICINT 2017), Jakarta, Indonesia, 24 Mayıs 2017, pp.213-217
- **Challenges Of Identifying Second Language English Speakers In Moocs**
DURU İ., SUNAR A. S. , DİRİ B., DOĞAN G., WHITE S.
EMOOCs 2017 (European Moocs Stakeholders Summit), Madrid, Spain, 22 Mayıs 2017, pp.1
- **Investigation of Social Contributions of Language Oriented MOOC Learner Groups**
Duru İ., Sunar A. S. , Dođan G., Diri B.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 Ekim 2017, pp.667-670
- **Uncertainty Modeling in Wireless Sensor Networks**
DOĞAN G., Brown T.
International Conference on Big Data and Internet of Things (BDIOT), London, Canada, 20 - 22 Aralık 2017, pp.200-204
- **An Overview Of Studies About Students Performance Analysis and Learning Analytics inMOOCs**
DURU İ., DOĞAN G., DİRİ B.
IEEE International Conference on Big Data, Washington, United States Of America, 5 - 08 Aralık 2016, vol.1, pp.1719-1723
- **EdX Kullanıcılarının Aktivite Kullanımlarının ve Cinsiyetlerinin Performansa Etkisinin İncelenmesi**
DURU İ., DOĞAN G., DİRİ B.
1st International Conference on Computer Science and Engineering, Tekirdađ, Turkey, 20 Ekim 2016, pp.1-5
- **EdX Kullanıcılarının Aktivite Kullanımlarının Ve Cinsiyetlerinin Performansa Etkilerinin İncelenm**
DURU İ., DOĞAN G., DİRİ B.
Uluslararası Bilgisayar Bilimleri ve Mühendisliđi Konferansı (UBMK 2016), Tekirdađ, Turkey, 20 - 23 Ekim 2016, vol.1, pp.154-158
- **Trust in Wireless Sensor Networks**
DOĞAN G., AVİNCAN K.
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 01 Eylül 2016, vol.1, no.1, pp.106-109
- **What if Analysis in Wireless Sensor Networks Using Workflow Provenance**
DOĞAN G.
11th International Network Conference, Frankfurt, Germany, 19 - 21 Temmuz 2016, vol.1, pp.49-53
- **Öğrenme Alanında Gelecek İçin Bir Yenilik : Öğrenme Analitiđi**
Alkan S., DOĞAN G.
International Distance Education Researches Conference, IDERC 2016, İstanbul, Turkey, 26 Mayıs 2016, vol.1, pp.105-115

- **An Overview Of Studies About Students' Performance Analysis and Learning Analytics in MOOCs**
DURU İ., DOĞAN G., DİRİ B.
4th IEEE International Conference on Big Data (Big Data), Washington, Kiribati, 5 - 08 Aralık 2016, pp.1719-1723
- **DynamicMultiProTru: An Adaptive Trust Model for Wireless Sensor Networks**
DOĞAN G., Avincan K., Brown T.
4th International Symposium on Digital Forensic and Security (ISDFS), Arkansas, United States Of America, 25 - 27 Nisan 2016, pp.49-52
- **Game Changers for Women in CS Lessons Learned from Turkey**
ÇİLİNGİR G., DOĞAN G., ŞAHİN H., Yalcinalp U.
INTERNATIONAL MUSLIM WOMEN SUMMIT, Kuala-Lumpur, Malaysia, 23 - 25 Eylül 2016, vol.1
- **Provenance and Trust as New Factors for Self-Organization in a Wireless Sensor Network**
DOĞAN G., Avincan K., BROWN T.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 Mayıs 2015, pp.544-547
- **Using Provenance in Sensor Network Applications for Fault tolerance and Troubleshooting**
DOĞAN G., Ted B.
SENSORNETS 2012, Rome, Italy, 24 - 26 Şubat 2012, pp.47-52
- **Leveraging Provenance to Improve Data Fusion in Sensor Networks**
Dogan G., SEO E., BROWN T., ABDELZAHER T. F.
Conference on Multisensor, Multisource Information Fusion - Architectures, Algorithms, and Applications, Maryland, United States Of America, 25 - 26 Nisan 2012, vol.8407
- **DustDoctor: A self-healing sensor data collection system**
Khan M. M. H. , Ahmadi H., DOĞAN G., Govindan K., Ganti R., Brown T., Han J., Mohapatra P., Abdelzاهر T.
2011 10th International Conference on Information Processing in Sensor Networks (IPSN), Chicago, United States Of America, 12 Nisan 2011, pp.127-128
- **Evaluation of Network Trust Using Provenance Based on Distributed Local Intelligence**
Dogan G., BROWN T., GOVINDAN K., KHAN M. M. H. , ABDELZAHER T., MOHAPATRA P., CHO J.
Military Communications Conference (MILCOM), Maryland, United States Of America, 7 - 10 Kasım 2011, pp.1493-1498
- **PRONET: Network Trust Assessment Based on Incomplete Provenance**
GOVINDAN K., WANG X., KHAN M., Dogan G., ZENG K., POWELL G. M. , Brown T., ABDELZAHER T., MOHAPATRA P.
Military Communications Conference (MILCOM), Maryland, United States Of America, 7 - 10 Kasım 2011, pp.1213-1218

Supported Projects

DOĞAN G., TUBITAK Project, Kitlelesel Çevrimiçi Eğitim Platformunda Kullanıcıların İngilizce Bilgilerine Göre Kullanım Ve Başarı Analizi, 2017 - 2018

Doğan G., Erkoç M. F. , Yeni S., Kert S. B. , TUBITAK Project, Programlama Dili Eğitiminde Kullanılan Yeni Metodolojiler ve Teknolojiler, 2016 - 2017

Doğan G., TUBITAK Project, Kablosuz Algılayıcı Ağlarda Provenans ve Güven Bazlı Dinamik Ağ Yapılandırma Mimarisi, 2014 - 2016

Activities in Scientific Journals

International Journal of Data Mining Science , Committee Member, 2016 - Continues

Citations

Total Citations (WOS):28

h-index (WOS):3