

SELMA DİLEK

RES. ASST.

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Learning Knowledge

Doctorate 2017 - Continues	Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği A.B.D, Turkey
Postgraduate 2012 - 2017	Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey
Undergraduate 2004 - 2008	University of Buckingham, Applied Computing, Computer Science, United Kingdom
Undergraduate 2004 - 2008	University Sarajevo School of Science and Technology, Computer Science, Computer Science / Electrical And Electronics Engineering , Bosnia And Herzegovina

Foreign Languages

Korean, A1 Beginner
English, C2 Mastery
Arabic, B1 Intermediate
Swedish, B2 Upper Intermediate
Serbian, C2 Mastery
German, B2 Upper Intermediate
Bosnian, C2 Mastery
Turkish, C2 Mastery
Croatian, C2 Mastery

Dissertations

Postgraduate, Internet of Things Based Remote Healthcare Monitoring Application, Gazi University, Graduate School Of Natural And Applied Sciences, Computer Engineering, 2017

Academic Titles / Tasks

Research Assistant 2016 - Continues	Hacettepe University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü
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Supported Projects

1. Dilek S., Baydere Ş., Güzel M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Q-Iot: Design and Development of IoT System Architecture with Quality of Service Support, 2020 - 2023
2. TOSUN S., DİLEK S., TUBITAK Project, Uygulamaya Yönelik Entegre Devreler İçin Güvenilirlik Odaklı Tasarım Yöntemleri, 2017 - 2019
3. ÖZSOY A., ZORLU O., DİLEK S., Project Supported by Higher Education Institutions, ICPADS 2017 Konferans Katilimi, 2017 - 2018

Scholarships

- 1001 – BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA PROJELERİNİ DESTEKLEME PROGRAMI, TUBITAK, 2020 - Continues
1001 – BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA PROJELERİNİ DESTEKLEME PROGRAMI, TUBITAK, 2017 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

1. **QoS-aware IoT networks and protocols: A comprehensive survey**
DİLEK S., İrgan K., GÜZEL M., ÖZDEMİR S., BAYDERE Ş., Charnsripinyo C.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.35, 2022 (Journal Indexed in SCI)
2. **A High-Level Synthesis Methodology for Energy and Reliability-Oriented Designs**
Dilek S., Smri R., Tosun S., Dal D.
IEEE Transactions On Computers, vol.71, no.1, pp.161-174, 2022 (Journal Indexed in SCI Expanded)
3. **A survey on computation offloading and service placement in fog computing-based IoT**
Gasmi K., DİLEK S., TOSUN S., Ozdemir S.
JOURNAL OF SUPERCOMPUTING, 2021 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **Applications of Artificial Intelligence Techniques to Combating Cyber Crimes: A Review**
DİLEK S., ÇAKIR H., Aydın M.
International Journal of Artificial Intelligence Applications (IJAlA), vol.6, no.1, pp.21-39, 2015 (Refereed Journals of Other Institutions)
2. **Sağlık Hizmetleri Sektöründe Kablosuz Algılayıcı Ağlar**
DİLEK S., ÖZDEMİR S.
International Journal of Informatics Technologies, vol.7, no.2, pp.7-19, 2014 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

1. **GPU-Based Parallel Genetic Algorithm for Increasing the Coverage of WSNs**
zorlu o., DİLEK S., ÖZSOY A.
ICPADS - The International Conference on Parallel and Distributed Systems, 15 - 17 December 2017
2. **Security in Internet of Things: A Survey**
Oracevic A., DİLEK S., ÖZDEMİR S.
ISNCC 2017, 16 - 18 May 2017
3. **Ontology creation for an educational center**
DİLEK S., KARACAN H., Jahangiri N., Afzali S.
6th International Conference on Application of Information and Communication Technologies (AICT), Tbilisi, Georgia, 17 - 19 October 2012

Memberships / Tasks in Scientific Organizations

The Institute of Electrical and Electronics Engineers (IEEE), Member, 2011 - Continues, United States Of America

The Association for Computing Machinery (ACM), Member, 2019 - 2019, United States Of America

Scientific Refereeing

IEEE Consumer Communications & Networking Conference (CCNC 2021), Conference Paper (Full Text), September 2020

JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, Journal Indexed in SCI-E, June 2020

IEEE International Symposium on Networks, Computers and Communications (ISNCC'20), Conference Paper (Full Text), March 2017

Citations

Total Citations (WOS):1

h-index (WOS):1

Research Areas

Computer Sciences, algorithms, Parallel Algorithms, Equipment, Logic Design, Software, Programming Languages, Engineering and Technology