

Asst. Prof. ÇAĞRI ŞAHİN

Personal Information

Email: cagrisahin@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/cagrisahin>

International Researcher IDs

ORCID: 0000-0001-5800-6243

Publons / Web Of Science ResearcherID: AAA-1719-2019

Yoksis Researcher ID: 322118

Education Information

Doctorate, University of Delaware, Computer & Information Sciences, United States Of America 2011 - 2017

Postgraduate, University of Delaware, Computer & Information Sciences, United States Of America 2009 - 2011

Undergraduate, Selcuk University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2003 - 2007

Dissertations

Doctorate, Empirically Investigating Energy Impacts Of Software Engineering Decisions, University of Delaware, Bilgisayar Bilimi, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Supporting software evolution through feedback on executing/skipping energy tests for proposed source code changes**
Sahin Ç., Pollock L., Clause J.
JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS, vol.31, no.4, 2019 (SCI-Expanded)
- II. **How does code obfuscation impact energy usage?**
Sahin Ç., Wan M., Tornquist P., McKenna R., Pearson Z., Halfond W. G. J., Clause J.
JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS, vol.28, no.7, pp.565-588, 2016 (SCI-Expanded)
- III. **From benchmarks to real apps: Exploring the energy impacts of performance-directed changes**
Sahin Ç., Pollock L., Clause J.
JOURNAL OF SYSTEMS AND SOFTWARE, vol.117, pp.307-316, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Designing a Distributed Multi-agent System for Compiler Optimization**
Sari A., Şahin Ç., Butun I.
2021 Zooming Innovation in Consumer Technologies Conference, ZINC 2021, Novi-Sad, Serbia, 26 - 27 May 2021, pp.269-274
- II. **Integrated energy-directed test suite optimization**
Li D., Jin Y., ŞAHİN Ç., Clause J., Halfond W. G. J.
23rd International Symposium on Software Testing and Analysis, ISSTA 2014, California, United States Of America, 21 - 25 July 2014, pp.339-350

- III. **How Does Code Obfuscation Impact Energy Usage?**
Sahin Ç., Tornquist P., McKenna R., Pearson Z., Clause J.
30th IEEE International Conference on Software Maintenance and Evolution (ICSME), Victoria, Canada, 28 September - 03 October 2014, pp.131-140
- IV. **How do code refactorings affect energy usage?**
ŞAHİN Ç., Pollock L., Clause J.
8th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2014, Torino, Italy, 18 - 19 September 2014
- V. **Energy-Directed Test Suite Optimization**
Li D., Sahin Ç., Clause J., Halfond W. G. J.
2nd International Workshop on Green and Sustainable Software (GREENS), San-Francisco, Costa Rica, 20 May 2013, pp.62-69
- VI. **Investigating the Impacts of Web Servers on Web Application Energy Usage**
Manotas I., Sahin Ç., Clause J., Pollock L., Winbladh K.
2nd International Workshop on Green and Sustainable Software (GREENS), San-Francisco, Costa Rica, 20 May 2013, pp.16-23
- VII. **Towards power reduction through improved software design**
ŞAHİN Ç., Cayci F., Clause J., Kiamilev F., Pollock L., Winbladh K.
2012 IEEE Energytech, Energytech 2012, Cleveland, OH, United States Of America, 29 - 31 May 2012
- VIII. **Initial explorations on design pattern energy usage**
ŞAHİN Ç., Cayci F., Gutiérrez I. L. M., Clause J., Kiamilev F., Pollock L., Winbladh K.
2012 1st International Workshop on Green and Sustainable Software, GREENS 2012, Zürich, Switzerland, 03 June 2012, pp.55-61

Metrics

Publication: 11

Citation (WoS): 70

Citation (Scopus): 296

H-Index (WoS): 5

H-Index (Scopus): 9