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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. **Do popular apps have issues regarding energy efficiency?**
Şahin Ç.
PEERJ COMPUTER SCIENCE, vol.10, pp.1891, 2024 (SCI-Expanded)
- II. **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)
- III. **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)
- IV. **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)

Articles Published in Other Journals

- I. **Machine and Deep Learning Studies for Cyberbullying Detection**
YAKUT M. F., Sahin C., ATAY Y.
Savunma Bilimleri Dergisi, vol.1, no.43, pp.155-177, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

I. Bilişim Teknolojileri Güvenliđi

Şahin Ç.

in: Bilişim Teknolojileri Güvenliđi, Doç. Dr. Nursel Yalçın, Doç. Dr. Hüseyin Çakır, Editor, Nobel Yayınevi, Ankara, pp.479-498, 2023

II. GÜVENLİ KODLAMADA YAPAY ZEKÂ KULLANIMI: KOD KARIŞTIRMA (CODE OBFUSCATION) YAKLAŞIMLARI

Şahin Ç.

in: YAPAY ZEKÂ VE BÜYÜK VERİ KİTAP SERİSİ 4: Yorumlanabilir ve Açıklanabilir Yapay Zekâ ve Güncel Konular, Prof. Dr. Şeref Sađırođlu, Dr. Mustafa Umut Demirezen, Editor, Nobel Yayınevi, Ankara, pp.211-240, 2022

Refereed Congress / Symposium Publications in Proceedings

I. SU2-Net: Siamese-Based U2-Net for Change Detection in Remote Sensing Images SU2-Net: Uzaktan Algılama Görüntülerinde Deđişiklik Tespiti için Siyam Tabanlı U2-Net

Nakkaş B. N., ŞAHİN Ç.

6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2024, İstanbul, Turkey, 23 - 25 May 2024

II. Object Detection in Infrared Images with Different Spectra

Yucesoy Y. F., ŞAHİN Ç.

6th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2024, İstanbul, Turkey, 23 - 25 May 2024

III. 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

IV. 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

V. 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

VI. 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

VII. 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

VIII. 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

IX. 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

X. 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: 17

Citation (WoS): 70

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