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Research Areas

Information System Reliability

Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Runtime Verification for Anomaly Detection of Robotic Systems Security**
KIRCA Y. S., DEĞİRMENCİ E., Demirci Z., YAZICI A., ÖZKAN M., Ergun S., Kanak A.
Machines, vol.11, no.2, 2023 (SCI-Expanded)

Articles Published in Other Journals

- An Analysis of DoS Attack on Robot Operating System**
DEĞİRMENCİ E., KIRCA Y. S., YOLAÇAN E. N., YAZICI A.
Gazi University Journal of Science, vol.36, no.3, pp.1050-1069, 2023 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- Online Route Analyzer (ORA): Runtime Verification Service for Routing Optimization of Electric Vehicles Çevrimiçi Rota Çözümleyicisi (ORA): Elektrikli Araçların Rotalama Eniyilemesi için Çalışma Zamanı Doğrulama Servisi**
Kahraman S., Güneş İ., KIRCA Y. S., ÖZKAN M., YAZICI A.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024
- Developing an Integrated Runtime Verification for Safety and Security of Industrial Robot Inspection System**
DEĞİRMENCİ E., KIRCA Y. S., ÖRNEK Ö., Bulut M., Kahraman S., ÖZKAN M., YAZICI A.
Proceedings of the 24th Annual Conference Towards Autonomous Robotic Systems, TAROS 2023, Cambridge, England, 13 - 15 September 2023, vol.14136 LNAI, pp.126-137

III. Online Motion Analyzer (OMA): A Software Service for Runtime Verification of Robotic Systems' Safety

Kahraman S., Bulut M., DEĞİRMENCİ E., KIRCA Y. S., ÖZKAN M., YAZICI A.

31st IEEE Conference on Signal Processing and Communications Applications (SIU), İstanbul, Turkey, 5 - 08 July 2023

IV. Robotik Sistem Güvenliğinin Doğrulaması için ROS Tabanlı Saldırı Aracı

KIRCA Y. S., DEĞİRMENCİ E., YAZICI A., ÖZKAN M.

TOK'2022 Otomatik Kontrol Ulusal Toplantısı, Elazığ, Turkey, 15 - 18 September 2022

Metrics

Publication: 6

Citation (WoS): 3

Citation (Scopus): 8

H-Index (WoS): 1

H-Index (Scopus): 2