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International Researcher IDs

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Publons / Web Of Science ResearcherID: G-6452-2018

ScopusID: 55753053200

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Education Information

Post Doctorate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey
2020 - Continues

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey 2015 - 2020

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, Turkey
2012 - 2015

Undergraduate, Firat University, Faculty Of Technical Education, Department Of Computer Education, Turkey 2005 - 2009

Dissertations

Doctorate, Interoperability by means of configurable connectors, Middle East Technical University, 2020

Postgraduate, Modeling variability in component oriented software engineering, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2015

Research Areas

Computer Learning, Software, Software Engineering

Academic Titles / Tasks

Research Assistant PhD, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2010 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Automated and accurate focal EEG signal detection method based on the cube pattern**
Tuncer T., Dogan S., KAYA M. Ç., Subasi A.

- Multimedia Tools and Applications, vol.82, no.13, pp.19675-19691, 2023 (SCI-Expanded)
- II. MSDeveloper: A Variability-Guided Methodology for Microservice-Based Development**
Dolu B. K., Cetinkaya A., Kaya M. Ç., Nazlioglu S., Dogru A. H.
APPLIED SCIENCES, vol.12, no.22, pp.11439-11457, 2022 (SCI-Expanded)
- III. Automated classification of remote sensing images using multileveled MobileNetV2 and DWT techniques**
Karadal C. H., KAYA M. Ç., Tuncer T., Dogan S., Acharya U. R.
Expert Systems with Applications, vol.185, 2021 (SCI-Expanded)
- IV. New human identification method using Tietze graph-based feature generation**
Tuncer T., Aydemir E., DOĞAN Ş., Kobat M. A., Kaya M. Ç., Metin S.
Soft Computing, vol.25, no.21, pp.13437-13449, 2021 (SCI-Expanded)
- V. Internet of Measurement Things Architecture: Proof of Concept with Scope of Accreditation**
KAYA M. Ç., Nikoo M. S., Schwartz M. L., Oğuztuzun H.
SENSORS, vol.20, no.2, 2020 (SCI-Expanded)
- VI. Comparative analysis of variability modelling approaches in component models**
Suloglu S., KAYA M. Ç., KARAMANLIOĞLU A., Entekhabi S., Nikoo M. S., Tekinerdogan B., DOĞRU A. H.
IET SOFTWARE, vol.12, no.6, pp.437-445, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. Off-the-Shelf Connectors for Interdisciplinary Components**
KAYA M. Ç., ÇETİNKAYA A., DOĞRU A. H.
JOURNAL OF INTEGRATED DESIGN & PROCESS SCIENCE, vol.22, no.3, pp.35-53, 2018 (ESCI)
- II. MESAFE ÖLÇÜMÜ TABANLI GÜVENİLİR KONUM TESPİTİ TEKNİKLERİ VE KARA VE HAVA ARAÇLARI İÇİN ÖRNEK UYGULAMALAR**
TEMİZER S., KAYA M. Ç.
Havacılık ve Uzay Teknolojileri Dergisi, vol.6, no.2, pp.33-48, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. Cloud-Enabled Domain-Based Software Development**
Süloğlu S., KAYA M. Ç., ÇETİNKAYA A., KARAMANLIOĞLU A., DOĞRU A. H.
in: Software Engineering in the Era of Cloud Computing, Mahmood Z., Editor, Springer, Cham, pp.109-130, 2020
- II. Runtime Adaptability of Ambient Intelligence Systems Based on Component-Oriented Approach**
KAYA M. Ç., EROĞLU A., KARAMANLIOĞLU A., ONUR E., Tekinerdoğan B., DOĞRU A. H.
in: Guide to Ambient Intelligence in the IoT Environment, Mahmood Z., Editor, Springer, Cham, pp.69-92, 2019
- III. Variability Incorporated Simultaneous Decomposition of Models Under Structural and Procedural Views**
KAYA M. Ç., Süloğlu S., TOKDEMİR G., Tekinerdoğan B., DOĞRU A. H.
in: Software Engineering for Variability Intensive Systems : Foundations and Applications, Ivan Mistrik, Matthias Galster, Bruce R. Maxim, Editor, CRC Press, pp.95-116, 2019
- IV. Internet of Measurement Things: Toward an Architectural Framework for the Calibration Industry**
Saeedi Nikoo M., Kaya M. Ç., Schwartz M. L., Oğuztüzün M. H. S.
in: The Internet of Things in the Industrial Sector, Mahmood Z., Editor, Springer, Cham, pp.81-102, 2019
- V. Managing Heterogeneous Communication Challenges in the IoT using Connector Variability**
KAYA M. Ç., nikoo m. s., Süloğlu S., Tekinerdoğan B., DOĞRU A. H.
in: Connected Environments for the Internet of Things: Challenges and Solutions, Mahmood, Zaigham, Editor, Springer, Berlin, pp.1-23, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. UNCERTAINTY CALCULATION-AS-A-SERVICE: AN IIOT APPLICATION FOR AUTOMATED RF POWER SENSOR CALIBRATION**
ÇETİNKAYA A., KAYA M. Ç., Danaci E., OĞUZTÜRKÜN M. H. S.
IMEKO TC6 1st International Conference on Metrology and Digital Transformation, M4Dconf 2022, Berlin, Germany, 19 - 21 September 2022
- II. Interoperability of Microservice-Based Systems**
Bayramcavus A., KAYA M. Ç., DOĞRU A. H.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.594-598
- III. An Experimental Study on Decomposition: Process First or Structure First?**
ÇETİNKAYA A., Süloğlu S., KAYA M. Ç., KARAMANLIOĞLU A., TOKDEMİR G., DOĞRU A. H.
International Symposium on Business Modeling and Software Design, Lisbon, Portugal, 1 - 03 July 2019, pp.279-289
- IV. An MII-Aware SoA Editor for the Industrial Internet of Things**
Nikoo M. S., KAYA M. Ç., Schwartz M. L., Oguztuzun H.
2nd IEEE International Workshop on Metrology for Industry 4.0 and Internet of Things (IoT) (MetroInd4.0 and IoT), Naples, Italy, 4 - 06 June 2019, pp.213-218
- V. A CONFIGURABLE GATEWAY FOR DDS-HLA INTEROPERABILITY**
KAYA M. Ç., KARAMANLIOĞLU A., Cetintas I. C., Cilden E., Canberi H., Oguztuzun H.
Summer Simulation Conference (SummerSim), Berlin, Germany, 22 - 24 July 2019
- VI. DDS-HLA birlikte çalışabilirlik yaklaşımları üzerine bir literatür araştırması**
KAYA M. Ç., ÇILDEN E., CANBERİ H., OĞUZTÜRKÜN M. H. S.
Ulusal Savunma Uygulamaları Modelleme ve Simülasyon Konferansı, Ankara, Turkey, 21 - 23 November 2017
- VII. Component Integration Through Connector Supported Process Models**
ÇETİNKAYA A., KAYA M. Ç., DOĞRU A. H.
Emerging Trends and Technologies in Convergence Solutions, Society for Design and Process Science, Birmingham, United Kingdom, 5 - 09 November 2017, pp.31-37
- VIII. Composition Capability of Component-Oriented Development**
KAYA M. Ç., ÇETİNKAYA A., DOĞRU A. H.
5th International Symposium on Innovative Technologies in Engineering and Science, Baku, Azerbaijan, 29 - 30 October 2017, pp.1299-1307
- IX. Eşgüdümü Bileşenler ile Birleştirme Yaklaşımı**
ÇETİNKAYA A., KARAMANLIOĞLU A., KAYA M. Ç., DOĞRU A. H.
11. Ulusal Yazılım Mühendisliği Sempozyumu, Alanya, Turkey, 18 - 20 October 2017, pp.619-631
- X. Enhancing xcoseml with connector variability for component oriented development.**
ÇETİNKAYA A., KAYA M. Ç., DOĞRU A. H.
International Conference on Emerging trends and technologies in Designing Healthcare Systems, Society for Design and Process Science, Orlando, United States Of America, 4 - 06 December 2016
- XI. Bileşen Modellerinde Değişkenlik Yönetimi Yaklaşımlarının Karşılaştırılması**
KAYA M. Ç., KARAMANLIOĞLU A., Saeedi Nikoo M., Entekhabi S., Suloglu S., DOĞRU A. H.
10. Ulusal Yazılım Mühendisliği Sempozyumu, Çanakkale, Turkey, 24 - 26 October 2016, pp.502-513
- XII. TOWARDS VERIFICATION OF COMPONENT COMPOSITIONS INCORPORATING VARIABILITY**
KAYA M. Ç., Saeedi Nikoo M., Suloglu S., DOĞRU A. H.
The 20th International Conference on Transformative Science and Engineering, Business and Social Innovation, Fort Worth, Texas, United States Of America, 1 - 05 November 2015, pp.202-206
- XIII. Variability modeling in component oriented software engineering**
KAYA M. Ç., Suloglu S., DOĞRU A. H.
The 19th International Conference on Transformative Science and Engineering, Business and Social Innovation, Kuching, Sarawak, Malaysia, 15 - 19 June 2014, pp.251-259

- XIV. KISMEN ARIZALI OTONOM ROBOTLAR İÇİN EN AZ SAYIDA SONAR SENSÖRÜ KULLANILARAK KAPALI MEKANLarda KONUM TESPİTİ GERÇEKLEŞTİRİLMESİ
KAYA M. Ç., ÇİFTÇİ S., TEMİZER S.
BEŞİNCİ ULUSAL SAVUNMA UYGULAMALARI MODELLEME VE SİMÜLASYON KONFERANSI, Ankara, Turkey, 11 - 12 June 2013, pp.135-144

Metrics

Publication: 27
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