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Publons / Web Of Science ResearcherID: ABA-3685-2020.

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### Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (Dr), Turkey 2017 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Doğu Akdeniz Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2006 - 2011

### Dissertations

Postgraduate, Variable connectors in component oriented development, Middle East Technical University, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği (YI) (Tezli), 2017

### Published journal articles indexed by SCI, SSCI, and AHCI

#### I. 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)

### Articles Published in Other Journals

#### I. Analysis of Vector-Network-Analyzer-Based Power Sensor Calibration Method Application

Danaci E., Bayrak Y., ÇETİNKAYA A., Arslan M., Sakarya H., Dogan A. K., Tunay G.

Instruments, vol.7, no.3, 2023 (Scopus)

#### II. 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)

### 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

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Novel Software for Automatic Calibration Factor Measurement of RF Power Sensors**  
Kizilbey O., Arslan M., Bayrak Y., ÇETİNKAYA A., Yugruk A., Danaci E.  
7th International Conference on Computer Science and Engineering, UBMK 2022, Diyarbakır, Turkey, 14 - 16 September 2022, pp.371-373
- II. **UNCERTAINTY CALCULATION-AS-A-SERVICE: AN IIOT APPLICATION FOR AUTOMATED RF POWER SENSOR CALIBRATION**  
ÇETİNKAYA A., KAYA M. Ç., Danaci E., OĞUZTÜZÜN M. H. S.  
IMEKO TC6 1st International Conference on Metrology and Digital Transformation, M4Dconf 2022, Berlin, Germany, 19 - 21 September 2022
- III. **AUTORFPOWER: Automatic RF Power Measurement Software for Metrological Applications**  
ÇETİNKAYA A., Dogan A. K., Danaci E., OĞUZTÜZÜN M. H. S.  
2nd International Informatics and Software Engineering Conference, IISEC 2021, Ankara, Turkey, 16 - 17 December 2021
- IV. **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
- V. **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
- VI. **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
- VII. **Eşgüdümlü 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
- VIII. **Enhancing xcosem1 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

## Metrics

Publication: 12