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Personal Information

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International Researcher IDs

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Education Information

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

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

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Computer Networks

Academic Titles / Tasks

Assistant Professor, Gumushane University, Faculty Of Engineering And Natural Sciences, Department Of Software Engineering, 2021 - Continues

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2010 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Revisiting Slotted ALOHA: Density Adaptation in FANETs**
Eroglu A., Onur E.
WIRELESS PERSONAL COMMUNICATIONS, vol.124, no.2, pp.1711-1740, 2022 (SCI-Expanded)
- II. **Density-aware mobile networks: Opportunities and challenges**
Mollahasani S., Eroğlu A., Demirkol I., Onur E.
COMPUTER NETWORKS, vol.175, 2020 (SCI-Expanded)
- III. **Density-aware cellular coverage control: Interference-based density estimation**

Books & Book Chapters

- I. **Runtime Adaptability of Ambient Intelligence Systems Based on Component-Oriented Approach**
KAYA M. Ç., EROĐLU A., KARAMANLIOĐLU A., ONUR E., Tekinerdođan B., DOĐRU A. H.
in: Guide to Ambient Intelligence in the IoT Environment, Mahmood Z., Editor, Springer, Cham, pp.69-92, 2019
- II. **Runtime Adaptability of Ambient Intelligence Systems Based on Component-Oriented Approach**
KAYA M. Ç., EROĐLU A., KARAMANLIOĐLU A., ONUR E., TEKİNERDOĐAN B., DOĐRU A. H.
in: Guide to Ambient Intelligence in the IoT Environment, Mahmood, Zaigham, Editor, SPRINGER, pp.69-92, 2018
- III. **Simulators, Test Beds and Prototypes of 5G mobile Networking Architectures**
MOLLAHASANİ S., EROĐLU A., YAMAÇ Ö., ONUR E.
in: Networks of the Future: Architectures, Technologies, and Implementations, Mahmoud Elkhodr, Qusay F. Hassan, Seyed Shahrestani, Editor, CRC Press, Florida, pp.185-200, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Yođunluk Uyarlı Gelecek Nesil Ađlarda Fırsatlar ve Zorluklar**
EROĐLU A., ONUR E.
TBD 35. Ulusal Bilisim Kurultayı - TBD 35th National Informatics Congress, Ankara, Turkey, 21 November 2018, pp.124-130
- II. **Density-aware outage in clustered Ad Hoc networks**
EROĐLU A., ONUR E., Turan M.
9th IFIP International Conference on New Technologies, Mobility and Security, NTMS 2018, Paris, France, 26 - 28 February 2018, pp.1-5
- III. **Density-aware cell zooming**
YAMAN O., EROĐLU A., ONUR E.
21st International Conference on Innovation in Clouds, Internet and Networks, ICIN 2018, Paris, France, 19 - 22 February 2018, pp.1-8
- IV. **Estimating Density of Wireless Networks in Practice**
Erođlu A., Onur E., Oguztuzun H.
26th IEEE Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), Hong Kong, PEOPLES R CHINA, 30 August - 02 September 2015, pp.1476-1480
- V. **COMPONENT BASED VARIABILITY MODELING**
İLERİ İ., EROĐLU A., DOĐRU A. H.
SDPS World Conference 2013, Sao-Paulo, Brazil, 27 - 31 October 2013
- VI. **MICROSOFT KINECT TABANLI GERÇEK ZAMANLI EL HAREKETLERİ İLE BAĐIMSIZ ROBOTLARIN KONTROL EDİLMESİ VE ROBOT HAREKETLERİNİN PLANLANMASI**
EROĐLU A., TEMİZER S.
USMOS 2013, Ankara, Turkey, 11 - 12 June 2013
- VII. **Control and Motion Planning for Mobile Robots via a Secure Wireless Communication Protocol**
KAYA M. Ç., EROĐLU A., TEMİZER S.
ISDFS 2013, Elazığ, Turkey, 20 - 21 May 2013
- VIII. **Control and Motion Planning for Mobile Robots with Microsoft Kinect-Based Real-Time Hand Gestures**
EROĐLU A., TEMİZER S.
4th Computer Science Student Workshop (CSW 2013), İstanbul, Turkey, 6 - 07 April 2013

Metrics

Publication: 14

Citation (WoS): 20

Citation (Scopus): 30

H-Index (WoS): 3

H-Index (Scopus): 3