Asst. Prof. Gökhan Seçinti

Personal Information

Office Phone: +90 212 285 7470
Email: secinti@itu.edu.tr
Web: https://avesis.itu.edu.tr/secinti

International Researcher IDs
ScholarID: F_ZfZ-AAAAAJ
ORCID: 0000-0003-0640-8368
Publons / Web Of Science ResearcherID: AAC-8009-2019
ScopusID: 55772480100
Yoksis Researcher ID: 142650

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2012 - 2017
Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, Turkey 2009 - 2012
Undergraduate, Istanbul Technical University, Elektrik-Elektronik, Bilgisayar Mühendisliği Bölümü, Turkey 2005 - 2009

Dissertations

Doctorate, A software defined network framework in 5G wireless systems, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2017
Postgraduate, Çok işlemcili gerçek zamanlı sistemler için sanal ihmal edilebilirlik güdümlü iş sıralama, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Anabilim Dalı, 2012

Research Areas

Computer Sciences, Computer Networks, Communications and Network Protocols, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2019 - Continues
Research Assistant, Istanbul Technical University, Bilgisayar ve Bilişim, Bilgisayar Mühendisliği, 2010 - 2017

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

Published Journal Articles Indexed by SCI, SSCI, and AHCI

I. **Phoenix: Aerial Monitoring for Fighting Wildfires**
Çoğay S., Seçinti G.
Drones, vol.7, no.1, pp.7-19, 2022 (SCI-Expanded)

II. **Chain RTS/CTS scheme with Opportunistic Channel Allocation**
Sarı T. T., Seçinti G.
Computer Networks, vol.201, 2021 (SCI-Expanded)

III. **WiFED Mobile: WiFi Friendly Energy Delivery With Mobile Distributed Beamforming**
Mohanti S., Bozkaya E., Naderi M. Y., Canberk B., Seçinti G., Chowdhury K. R.
IEEE-ACM TRANSACTIONS ON NETWORKING, vol.29, no.3, pp.1362-1375, 2021 (SCI-Expanded)

IV. **FOCUS: Fog Computing in UAS Software-Defined Mesh Networks**
Seçinti G., Trotta A., Mohanti S., Di Felice M., Chowdhury K. R.
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.21, no.6, pp.2664-2674, 2020 (SCI-Expanded)

V. **SDNs in the Sky: Robust End-to-End Connectivity for Aerial Vehicular Networks**
Secinti G., Darian P. B., Canberk B., Chowdhury K. R.
IEEE COMMUNICATIONS MAGAZINE, vol.56, no.1, pp.16-21, 2018 (SCI-Expanded)

VI. **QoS-Aware Power Management in LTE-A Networks Under Heterogeneous Traffics**
Ozcevik M., Seçinti G., Canberk B.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.67, no.1, pp.674-688, 2018 (SCI-Expanded)

VII. **Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management**
Seçinti G., Canberk B., DUONG T. Q., SHU L.
IEEE COMMUNICATIONS MAGAZINE, vol.55, no.7, pp.135-141, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **SoNaR: Software-Defined Network and Radio Framework for FANETs**
Çoğay S., SARI T. T., SEÇİNTİ G.
IEEE International Symposium on Dynamic Spectrum Access Networks, United States Of America, 13 - 15 December 2021

II. **Network-Aware AutoML Framework for Software-Defined Sensor Networks**
Horasanlı E., Yiğit Y., SEÇİNTİ G., Karameseoglu A., CANBERK B.
2021 17th International Conference on Distributed Computing in Sensor Systems (DCOSS), 14 - 17 July 2021

III. **CLAN: A Robust Control Link for Aerial Mesh Networks in Contested Environments**
Kılıc F. R., Ozdogan M. O., SEÇİNTİ G., CANBERK B.
EAI INISCOM 2021 - 7th EAI International Conference on Industrial Networks and Intelligent Systems, 21 - 23 April 2021

IV. **GuideSwarm: A Drone Network Design to Assist Visually Impaired People**
Sakarya G., Sarı T. T., Seçinti G.
7th EAI International Conference on Smart Objects and Technologies for social Good, GOODTECHS 2021, Virtual Online, 15 - 17 September 2021, vol.401 LNICST, pp.139-152

V. **Chain RTS/CTS Scheme for Aerial Multihop Communications**
Sarı T. T., Seçinti G.
IEEE 18th Annual Consumer Communications and Networking Conference (CCNC), ELECTR NETWORK, 9 - 13 January 2021

VI. **AirBeam: Experimental Demonstration of Distributed Beamforming by a Swarm of UAVs**
Mohanti S., Bocanegra C., Meyer J., Seçinti G., Diddi M., Singh H., Chowdhury K.
16th IEEE International Conference on Mobile Ad Hoc and Smart Systems (IEEE MASS), Monterrey, Mexico, 4 - 07 November 2019, pp.162-170

VII. **Resilient End-to-end Connectivity for Software Defined Unmanned Aerial Vehicular Networks**

Seçinti G., Darian P. B., Canberk B., Chowdhury K. R.
IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), Montreal, Canada, 8 - 13 October 2017

VIII. **Dynamic Power Adjustment and Resource Allocation Framework for LTE Networks**
Seçinti G., Ozcevik M. E., Chowdhury K. R., Canberk B.
21st IEEE International Workshop on Computer Aided Modelling and Design of Communication Links and Networks (CAMAD), Toronto, Canada, 23 - 25 October 2016, pp.122-127

IX. **Software Defined Wireless Network Testbed using Rasperry Pi OF Switches With Routing Add On**
Mehmet A., SEÇİNTİ G., erel m., CANBERK B.
IEEE Conference on Network Function Virtualization & Software Defined Networks, 18 - 21 November 2015

X. **Software Defined Wireless Network Testbed using Raspberry Pi OF Switches with Routing Add-on**
Arıman M., Seçinti G., Erel M., Canberk B.
IEEE Conference on Network Function Virtualization and Software Defined Network (NFV-SDN), San-Francisco, Costa Rica, 18 - 21 November 2015, pp.20-21

XI. **Scalability Analysis and Flow Admission Control in Mininet-based SDN Environment**
Erel M., Teoman E., Özçevik Y., Seçinti G., Canberk B.
IEEE Conference on Network Function Virtualization and Software Defined Network (NFV-SDN), San-Francisco, Costa Rica, 18 - 21 November 2015, pp.18-19

XII. **XCon: Cross Layer Topology Controller for Energy Efficient LTE Networks**
Seçinti G., Erel M., Canberk B.
34th IEEE Conference on Computer Communications (INFOCOM), Hong Kong, PEOPLES R CHINA, 26 April - 01 May 2015, pp.53-54

XIII. **A Spatial Optimization based Adaptive Coverage Model for Green Self-Organizing Networks**
Seçinti G., Canberk B.
IEEE 11th Consumer Communications and Networking Conference (CCNC), Nevada, United States Of America, 10 - 13 January 2014

XIV. **Virtual laxity driven scheduling algorithm for multiprocessor real time systems**
SEÇİNTİ G., ALTILAR D. T.
Communications, Computers and Applications (MIC-CCA), 2012 Mosharaka International Conference on, 12 - 14 September 2012

Metrics

Publication: 28
Citation (WoS): 90
Citation (Scopus): 101
H-Index (WoS): 4
H-Index (Scopus): 4