

## Res. Asst. Tuğçe Bilen

### Personal Information

Email: bilent@itu.edu.tr

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2017 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2016 - 2017

Undergraduate, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, Turkey 2010 - 2015

### Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Bilgisayar Ve Bilişim, Bilgisayar Mühendisliği, 2018 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Learning-Vector-Quantization-Based Topology Sustainability for Clustered-AANETs**  
Bilen T., Canberk B.  
IEEE NETWORK, vol.35, no.4, pp.120-128, 2021 (Journal Indexed in SCI)
- II. **Overcoming 5G ultra-density with game theory: Alpha-beta pruning aided conflict detection**  
Bilen T., Canberk B.  
PERVASIVE AND MOBILE COMPUTING, vol.63, 2020 (Journal Indexed in SCI)
- III. **Deliver the content over multiple surrogates: A request routing model for high bandwidth requests**  
Bilen T., Canberk B.  
COMPUTER COMMUNICATIONS, vol.146, pp.39-47, 2019 (Journal Indexed in SCI)
- IV. **QoS-based distributed flow management in software defined ultra-dense networks**  
BILEN T., AYVAZ K., Canberk B.  
Ad Hoc Networks, vol.78, pp.24-31, 2018 (Journal Indexed in SCI Expanded)
- V. **Handover Management in Software-Defined Ultra-Dense 5G Networks**  
BILEN T., Canberk B., Chowdhury K. R.  
IEEE NETWORK, vol.31, no.4, pp.49-55, 2017 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Handover-Aware Content Replication for Mobile-CDN**  
BİLEN T., CANBERK B.  
IEEE Networking Letters, 2018 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Parametric-Decomposition Based Request Routing in Content Delivery Networks**  
BİLEN T., Kurnaz D., Sevim S., CANBERK B.  
The 16th International Conference on Wired/Wireless Internet Communications (IFIP WWIC), 10 - 15 June 2018

**II. A Smart City Application: Business Location Estimator using Machine Learning Techniques**

Bilen T., Erel-Ozcevik M., Yaslan Y., Oktuğ S. F.

20th IEEE International Conference on High Performance Computing and Communications (HPCC) / 16th IEEE International Conference on Smart City (SmartCity) / 4th IEEE International Conference on Data Science and Systems (DSS), Exeter, Canada, 28 - 30 June 2018, pp.1314-1321

**III. Optimal enodeb estimation for 5G intra-macrocell handover management**

Bilen T., Duong T. Q., Canberk B.

12th ACM Symposium on QoS and Security for Wireless and Mobile Networks, Q2SWinet 2016, Malta, Malta, 13 - 17 November 2016, pp.87-93

**IV. Binary Context Tree Based Middleware for Next Generation Context Aware Networks**

BILEN T., Canberk B.

3rd International Conference on Future Internet of Things and Cloud (FiCloud) / International Conference on Open and Big Data (OBD), Rome, Italy, 24 - 26 August 2015, pp.93-99

## Citations

Total Citations (WOS):41

h-index (WOS):2