

## Res. Asst. Ayşe Betül Büyüksar

### Personal Information

Email: buyuksar@itu.edu.tr

Address: İstanbul Teknik Üniversitesi Elektronik ve Haberleşme Mühendisliği Bölümü 3204 nolu oda, 34469, Maslak/İstanbul

### International Researcher IDs

ORCID: 0000-0002-3844-8471

ScopusID: 57191853439

Yoksis Researcher ID: 226535

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

- I. On the Performance of UAV Relaying With Reconfigurable Antenna and Media Based Modulation in the Presence of Shadowed Fading  
Büyüksar A. B., Erdogan E., Altunbaş İ.  
IEEE Transactions on Aerospace and Electronic Systems, vol.58, no.6, pp.5982-5988, 2022 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. Physical layer security improvement of NOMA-based UAV-aided terrestrial networks via cooperative user selection (In Turkish)  
BÜYÜKŞAR A. B., CAN M., ALTUNBAŞ İ.  
30th Signal Processing and Communication Applications Conf., SİU'22, Karabük, Turkey, 15 May 2022
- II. Physical Layer Security Improvement of NOMA-Based UAV-Aided Terrestrial Networks via Cooperative User Selection  
BÜYÜKŞAR A. B., CAN M., ALTUNBAŞ İ.  
2022 30th Signal Processing and Communications Applications Conference (SIU), Turkey, 15 May 2022
- III. Distributed spatial modulation for unmanned aerial vehicle-base station to ground cooperative communication  
BÜYÜKŞAR A. B., CAN M., ALTUNBAŞ İ.  
29th Telecommunications Forum TELFOR 2021, Belgrade, Serbia, 23 - 24 December 2021
- IV. Error Performance Analysis of Distributed Spatial Modulation System with UAV Relays  
BÜYÜKŞAR A. B., CAN M., ALTUNBAŞ İ.  
IEEE International Conference on Telecommunications and Photonics (ICTP), Dhaka, Bangladesh, 22 - 24 December 2021
- V. Rapidly Varying Sparse Channel Tracking with Hybrid Kalman-OMP Algorithm  
Büyüksar A. B., ŞENOL H., ERKÜÇÜK S., Çırpan H. A.  
1st International Telecommunications Conference (ITelCon), İstanbul, Turkey, 28 - 29 December 2017, vol.504, pp.289-298
- VI. Data-Aided Autoregressive Sparse Channel Tracking for OFDM Systems  
Büyüksar A. B., ŞENOL H., ERKÜÇÜK S., Çırpan H. A.  
13th International Symposium on Wireless Communication Systems (ISWCS), Poznan, Poland, 20 - 23 September 2016, pp.424-428

## **Metrics**

Publication: 7