

## Öğr.Gör. METİN ÖZTÜRK

### Kişisel Bilgiler

E-posta: metinozturk@ybu.edu.tr

Web: <https://avesis.ybu.edu.tr/metinozturk>

Posta Adresi: Ankara Yıldırım Beyazıt Üniversitesi 15 Temmuz Şehitleri Binası Ayvalı Mah. 150 Sk. Etlik-Keçiören Ankara 06010

### Eğitim Bilgileri

Doktora, University of Glasgow, Science and Engineering Graduate School, Electronics and Electrical Engineering, İngiltere 2016 - 2020

Yüksek Lisans, Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Türkiye 2013 - 2016

Lisans, Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, Türkiye 2007 - 2013

### Yabancı Diller

İngilizce, C2 Ustalık

### Akademik Unvanlar / Görevler

Öğretim Görevlisi, Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Devam Ediyor

Araştırma Görevlisi, Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Elektrik-Elektronik Mühendisliği, 2013 - 2016

### Verdiği Dersler

Tactical Wireless Communications and 5G Networks, Yüksek Lisans, 2020 - 2021

Electronic, Lisans, 2020 - 2021

Materials Science for Electrical and Electronics Engineers, Lisans, 2020 - 2021

Principles of Electrical and Electronics Engineering, Lisans, 2020 - 2021

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **A Survey of Machine Learning Applications to Handover Management in 5G and Beyond**  
Mollel M. S. , Abubakar A. I. , Ozturk M., Kaijage S., Kisangiri M., Hussain S., Imran M. A. , Abbasi Q. H.  
IEEE Access, 2021 (SCI Expanded İndekslerine Giren Dergi)
- II. **DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks**  
Omeke K. G. , Mollel M. S. , Ozturk M., Ansari S., Zhang L., Abbasi Q. H. , Imran M. A.  
IEEE Sensors Journal, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **Intelligent handover decision scheme using double deep reinforcement learning**

- Mollel M. S. , Abubakar A. I. , Ozturk M., Kaijage S., Kisangiri M., Zoha A., Imran M. A. , Abbasi Q. H.  
Physical Communication, cilt.42, 2020 (SCI Expanded İndekslerine Giren Dergi)
- IV. **Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response**  
Rizwan A., Abu Ali N., Zoha A., Ozturk M., Alomainy A., Imran M. A. , Abbasi Q. H.  
IEEE Sensors Journal, cilt.20, sa.9, ss.4891-4900, 2020 (SCI Expanded İndekslerine Giren Dergi)
- V. **A novel deep learning driven, low-cost mobility prediction approach for 5G cellular networks: The case of the Control/Data Separation Architecture (CDSA)**  
Ozturk M., Gogate M., Onireti O., Adeel A., Hussain A., Imran M. A.  
Neurocomputing, cilt.358, ss.479-489, 2019 (SCI Expanded İndekslerine Giren Dergi)
- VI. **Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning**  
Ozturk M., Akram M., Hussain S., Imran M. A.  
IEEE Access, cilt.7, ss.70811-70827, 2019 (SCI Expanded İndekslerine Giren Dergi)
- VII. **Energy-Aware Smart Connectivity for IoT Networks: Enabling Smart Ports**  
Ozturk M., Jaber M., Imran M. A.  
Wireless Communications and Mobile Computing, cilt.2018, 2018 (SCI Expanded İndekslerine Giren Dergi)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Energy Optimization in Ultra-Dense Radio Access Networks via Traffic-Aware Cell Switching**  
ÖZTÜRK M., Abubakar A. I. , Nadas J. P. B. , Rais R. N. B. , Hussain S., Imran M. A.  
IEEE Transactions on Green Communications and Networking, 2021 (Diğer Kurumların Hakemli Dergileri)

## Kitap & Kitap Bölümleri

- I. **Machine Learning for Decision Making in Healthcare**  
Rizwan A., Öztürk M., Abu Ali N., Zoha A., Abbasi Q. H. , Imran M. A.  
Engineering and Technology for Healthcare, Muhammad Ali Imran,Rami Ghannam,Qammer H. Abbasi, Editör, John Wiley & Sons, West Sussex, UK , London, ss.95-116, 2020
- II. **Seamless Indoor/Outdoor Coverage in 5G**  
Imran M. A. , Türkmen A., Öztürk M., Nadas J., Abbasi Q. H.  
Wiley 5G Ref: The Essential 5G Reference Online, Rahim Tafazolli,Periklis Chatzimisios,Chin-Liang Wang, Editör, John Wiley & Sons, West Sussex, UK , London, ss.1-23, 2020
- III. **Mobility Prediction Based Resource Management**  
Imran M. A. , Öztürk M., Abubakar A. I. , Klaine P. V. , Hussain S., Abbasi Q. H.  
Wiley 5G Ref: The Essential 5G Reference Online, Rahim Tafazolli,Periklis Chatzimisios,Chin-Liang Wang, Editör, John Wiley & Sons, West Sussex, UK , London, ss.1-18, 2020
- IV. **Cognitive radio spectrum sensing: from conventional approaches to machine-learning-based predictive techniques**  
Öztürk M., Abubakar A. I. , Hussain S., Abbasi Q. H. , Imran M. A.  
Flexible and Cognitive Radio Access Technologies for 5G and Beyond, Hüseyin Arslan,Ertuğrul Başar, Editör, The Institution of Engineering and Technology (IET), London, ss.481-512, 2020
- V. **Life-span Extension for Sensor Networks in the Industry**  
Öztürk M., Jaber M., Imran M. A.  
Wireless Automation as an Enabler for the Next Industrial Revolution, Muhammad Ali Imran,Sajjad Hussain,Qammer H. Abbasi, Editör, John Wiley & Sons, West Sussex, UK , London, ss.19-45, 2019

- I. **Load-Aware cell switching in ultra-dense networks: An artificial neural network approach**  
Abubakar A. I. , Ozturk M., Rais R. N. B. , Hussain S., Imran M. A.  
2020 International Conference on UK-China Emerging Technologies, UCET 2020, Glasgow, İngiltere, 20 - 21 Ağustos 2020
- II. **Clustering based UAV base station positioning for enhanced network capacity**  
Ozturk M., Nadas J. P. B. , Klaine P. H. V. , Hussain S., Imran M. A.  
2019 International Conference on Advances in the Emerging Computing Technologies, AECT 2019, AlMadinah, AlManawarrah, Suudi Arabistan, 10 Şubat 2020
- III. **Reinforcement Learning driven Energy Efficient Mobile Communication and Applications**  
Asad S. M. , Ozturk M., Bin Rais R. N. , Zoha A., Hussain S., Abbasi Q. H. , Imran M. A.  
19th IEEE International Symposium on Signal Processing and Information Technology, ISSPIT 2019, Ajman, Birleşik Arap Emirlikleri, 10 - 12 Aralık 2019
- IV. **Flexible SDN/NFV-based SON testbed for 5G mobile networks**  
Patané G. M. M. , Valastro G. C. , Sambo Y. A. , Ozturk M., Hussain S., Imran M. A. , Panno D.  
23rd IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, DS-RT 2019, Cosenza, İtalya, 8 - 09 Ekim 2019
- V. **Motion sensor-based small cell sleep scheduling for 5G networks**  
Sambo Y. A. , Valastro G. C. , Patane G. M. M. , Ozturk M., Hussain S., Imran M. A. , Panno D.  
24th IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, CAMAD 2019, Limassol, Kıbrıs (Gkry), 11 - 13 Eylül 2019
- VI. **Q-learning assisted energy-aware traffic offloading and cell switching in heterogeneous networks**  
Abubakar A. I. , Ozturk M., Hussain S., Imran M. A.  
24th IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks, CAMAD 2019, Limassol, Kıbrıs (Gkry), 11 - 13 Eylül 2019
- VII. **Coverage Analysis for Indoor-Outdoor Coexistence for Millimetre-Wave Communication**  
Turkmen A., Mollel M. S. , Ozturk M., Yao S., Zhang L., Ghannam R., Imran M. A.  
2019 UK/China Emerging Technologies, UCET 2019, Glasgow, Scotland, İngiltere, 21 - 22 Ağustos 2019
- VIII. **Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks**  
Ozturk M., Abubakar A. I. , Hassan N. U. , Hussain S., Imran M. A. , Yuen C.  
2019 UK/China Emerging Technologies, UCET 2019, Glasgow, Scotland, İngiltere, 21 - 22 Ağustos 2019
- IX. **Handover Management in Dense Networks with Coverage Prediction from Sparse Networks**  
Mollel M., Ozturk M., Kisangiri M., Kaijage S., Onireti O., Imran M. A. , Abbasi Q. H.  
2019 IEEE Wireless Communications and Networking Conference Workshop, WCNCW 2019, Marrakech, Fas, 15 - 18 Nisan 2019
- X. **An Intuitionistic fuzzy TOPSIS and DEA approach to evaluate retail sector performance**  
YILDIZBAŞI A., ERDEBİLLİ B., Öztürk M.  
DEA40: International Conference on Data Envelopment Analysis, 16 - 18 Nisan 2018
- XI. **A TOPSIS with Intuitionistic Fuzzy Sets and DEA Approach to Evaluate Retail Industry Performance Ability**  
ERDEBİLLİ B., YILDIZBAŞI A., ÖZTÜRK M.  
DEA40: International Conference of Data Envelopment Analysis, İngiltere, 16 - 18 Nisan 2018, ss.23-27
- XII. **Introducing a novel minimum accuracy concept for predictive mobility management schemes**  
Ozturk M., Klaine P. V. , Imran M. A.  
2018 IEEE International Conference on Communications Workshops, ICC Workshops 2018, Missouri, Amerika Birleşik Devletleri, 20 - 24 Mayıs 2018, ss.1-6
- XIII. **Improvement on the performance of predictive handover management by setting a threshold**  
Ozturk M., Klaine P. V. , Imran M. A.  
86th IEEE Vehicular Technology Conference, VTC Fall 2017, Toronto, Kanada, 24 - 27 Eylül 2017, ss.1-5
- XIV. **3D transition matrix solution for a path dependency problem of markov chains-based prediction in cellular networks**

Ozturk M., Klaine P. V. , Imran M. A.

86th IEEE Vehicular Technology Conference, VTC Fall 2017, Toronto, Kanada, 24 - 27 Eylül 2017, ss.1-5

## **Bilimsel Hakemlikler**

Twenty Seventh National Conference on Communications (NCC), Bildiri (Tam Metin), Mart 2021

IEEE International Conference on Communications (IEEE ICC), Bildiri (Tam Metin), Mart 2021

IEEE ACCESS, SCI-E Kapsamındaki Dergi, Ocak 2021

IEEE TRANSACTIONS ON NETWORK AND SERVICE MANAGEMENT, SCI-E Kapsamındaki Dergi, Aralık 2020

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, SCI Kapsamındaki Dergi, Kasım 2020

IEEE WIRELESS COMMUNICATIONS LETTERS, Hakemli Bilimsel Dergi, Haziran 2020

IEEE INTERNET OF THINGS JOURNAL, SCI Kapsamındaki Dergi, Nisan 2020

Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, National Science Centre Poland , Polonya, Nisan 2020

IEEE ACCESS, SCI-E Kapsamındaki Dergi, Mart 2020

## **Burslar**

YLSY, Milli Eğitim Bakanlığı, 2016 - 2020

## **Ödüller**

Mollel M. S. , Öztürk M., Kaijage S. F. , Kisangiri , Onireti O., Imran M. A. , Abbasi Q. H. , Workshop Best Paper Award, Ieee Wireless Communication And Networking Conference (Wcnc), Nisan 2019