

## Asst. Prof. ABDULKADİR KÖSE

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, University of Surrey, Faculty of Engineering and Physical Sciences, Electronic Engineering, United Kingdom  
2016 - 2021

Postgraduate, Yeditepe University, Faculty Of Engineering-Architecture, Department Of Electrical And Electronics  
Engineering, Turkey 2014 - 2016

### Research Areas

Information Theory, Communication Networks, Communication System Theory, Wireless Communication,  
Telecommunication Applications, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues

### Courses

Internet of Things, Undergraduate, 2021 - 2022

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

- I. **Multi-Agent Context Learning Strategy for Interference-Aware Beam Allocation in mmWave Vehicular Communications**  
Köse A., Lee H., Foh C. H., Shojafar M.  
IEEE Transactions on Intelligent Transportation Systems, vol.0, no.0, pp.1-17, 2024 (SCI-Expanded)
- II. **Recent Advances in Machine Learning for Network Automation in the O-RAN**  
Hamdan M. Q., Lee H., Triantafyllou D., Borralho R., Köse A., Amiri E., Mulvey D., Yu W., Zitouni R., Pozza R., et al.  
Sensors, vol.23, no.21, 2023 (SCI-Expanded)
- III. **A Proportional Time Allocation Algorithm to Transmit Binary Sensor Decisions for Target Tracking in a Wireless Sensor Network**  
MAŞAZADE E., Kose A.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.66, no.1, pp.86-100, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Beam-Based Mobility Management in 5G Millimetre Wave V2X Communications: A Survey and Outlook**

Kose A., Lee H., Foh C. H., Dianati M.

IEEE OPEN JOURNAL OF INTELLIGENT TRANSPORTATION SYSTEMS, vol.2, pp.347-363, 2021 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Contextual Multi-Armed Bandit based Beam Allocation in mmWave V2X Communication under Blockage**

Cassillas A. M., KÖSE A., Lee H., Foh C. H., Yen Leow C.

97th IEEE Vehicular Technology Conference, VTC 2023-Spring, Florence, Italy, 20 - 23 June 2023, vol.2023-June

- II. **Profiling Vehicles for Improved Small Cell Beam-Vehicle Pairing Using Multi-Armed Bandit**

Kose A., Foh C. H., Lee H., Moessner K.

12th International Conference on Information and Communication Technology Convergence, ICTC 2021, Jeju Island, South Korea, 20 - 22 October 2021, vol.2021-October, pp.221-226

- III. **Beam-centric Handover Decision in Dense 5G-mmWave Networks**

Kose A., Foh C. H., Lee H., Dianati M.

31st Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (IEEE PIMRC), ELECTR NETWORK, 31 August - 03 September 2020

- IV. **Impact of Mobility on Communication Latency and Reliability in Dense HetNets**

Kose A., Han C., Foh C. H., Dianati M.

89th IEEE Vehicular Technology Conference (VTC Spring), Kuala-Lumpur, Malaysia, 28 April - 01 May 2019

- V. **A Multiobjective Optimization Approach for Adaptive Binary Quantizer Design for Target Tracking in Wireless Sensor Networks**

Kose A., MAŞAZADE E.

IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI), California, United States Of America, 14 - 16 September 2015, pp.31-36

- VI. **Adaptive Sampling with Sensor Selection for Target Tracking in Wireless Sensor Networks**

Kose A., MAŞAZADE E.

48th Asilomar Conference on Signals, Systems and Computers, California, United States Of America, 2 - 05 November 2014, pp.909-913

## Scientific Refereeing

IEEE ACCESS, Journal Indexed in SCI-E, December 2020

IEEE WIRELESS COMMUNICATIONS, SCI Journal, July 2018

## Metrics

Publication: 10

Citation (WoS): 25

Citation (Scopus): 62

H-Index (WoS): 3

H-Index (Scopus): 4

## Awards

Kose A., Foh C. H., Lee H., Moessner K., Best Paper Award, The 12Th International Conference On Ict Convergence (Ictc 2021), October 2021