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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Kadir Has University, Engineering and Natural Sciences, Electrical and Electronics Engineering, Turkey 2015 - 2018

Postgraduate, Kadir Has University, Engineering and Natural Sciences, Electrical and Electronics Engineering, Turkey 2013 - 2015

Undergraduate, Arab International University, Informatics and Communication, Computer and Communication Engineering, Syria 2006 - 2012

Foreign Languages

English, C2 Mastery

Arabic, C2 Mastery

Turkish, C2 Mastery

German, B1 Intermediate

Dissertations

Doctorate, Sparse channel estimation and data detection algorithms for OFDM-based underwater acoustic communication systems, Kadir Has University, Faculty of Engineering and Natural Sciences, Electrical Electronics Engineering, 2018

Postgraduate, Optimal rate and power allocation algorithm in tdd-ofdm based two-tier femtocell networks, Kadir Has University, Faculty of Engineering and Natural Sciences, Electrical Electronics Engineering, 2014

Academic Titles / Tasks

Assistant Professor, Istanbul Yeni Yuzyil University, Faculty Of Engineering-Architecture, Department Of Electrical-Electronics Engineering, 2020 - Continues

Assistant Professor, Istanbul Gelisim University, Faculty Of Engineering And Architecture, Electrical And Electronics Engineering, 2019 - 2020

Courses

EEM423 Wireless Communication Systems, Undergraduate, 2024 - 2025
EEM210 Signals and Systems, Undergraduate, 2023 - 2024
EEM302 Control System Theory, Undergraduate, 2023 - 2024
EEM205 Probability and Random Variables, Undergraduate, 2024 - 2025
Communications Theory - II, Undergraduate, 2023 - 2024
EEM309 Communication Theory - I, Undergraduate, 2024 - 2025
Linear Systems Theory, Postgraduate, 2019 - 2020
Analog Electronics, Undergraduate, 2019 - 2020
Wireless Communications, Postgraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pilot Assisted MIMO-OFDM-IM Design for Time-Varying Underwater Acoustic Communications**
Altabbaa M. T.
Wireless Personal Communications, vol.121, no.1, pp.399-409, 2021 (SCI-Expanded)
- II. **Channel Estimation and Equalization for Alamouti SF-Coded OFDM-UWA Communications**
Panayirci E., Altabbaa M. T., Poor H. V.
IEEE Transactions on Vehicular Technology, vol.70, no.2, pp.1709-1723, 2021 (SCI-Expanded)
- III. **Double Focusing: A New Sparse Channel Estimation Algorithm for Doubly Selective SFBC-OFDM-Based Underwater Acoustic Systems**
Altabbaa M. T.
IEEE Wireless Communications Letters, vol.9, no.12, pp.2040-2044, 2020 (SCI-Expanded)
- IV. **Subchannel Allocation and Power Control for Uplink Femtocell Radio Networks with Imperfect Channel State Information**
Altabbaa M. T., Arsan T., Panayirci E.
Wireless Personal Communications, vol.108, no.3, pp.1345-1361, 2019 (SCI-Expanded)
- V. **Sparse Channel Estimation for OFDM-Based Underwater Acoustic Systems in Rician Fading With a New OMP-MAP Algorithm**
Panayirci E., Altabbaa M. T., Uysal M., Poor H. V.
IEEE Transactions on Signal Processing, vol.67, no.6, pp.1550-1565, 2019 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Channel Modeling of Reconfigurable Intelligent Surface-aided Underwater Acoustic Communication System**
Edemen C., Altabbaa M. T., Uysal M.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Turkey, 15 - 18 May 2024
- II. **Pilot Assisted MIMO OFDM-IM Design for Doubly Selective Underwater Acoustic Systems**
Altabbaa M. T.
2020 IEEE International Conference on Communication, Computing and Industry 4.0, C2I4 2020, Bangalore, India, 17 - 18 December 2020
- III. **Sparse Channel Estimation for MIMO Index Modulated OFDM Based Underwater Acoustic Communications**
Altabbaa M. T.
2020 IEEE International Conference on Communication, Computing and Industry 4.0, C2I4 2020, Bangalore, India, 17 - 18 December 2020
- IV. **Sparse Channel Estimation Algorithm for Doubly Selective MIMO OFDM-Based UWAC Systems with Double Focusing**

Altabbaa M. T.

2020 IEEE International Conference on Communication, Computing and Industry 4.0, C2I4 2020, Bangalore, India, 17 - 18 December 2020

V. Fuzzy logic for decision extraction from product reviews

Altabbaa M. T., Ayabakan T., Ogrenci A. S.

2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017, Chennai, India, 1 - 02 August 2017, pp.82-85

VI. Power control and resource allocation in TDD-OFDM based femtocell networks with interference

Altabbaa M. T., Arsan T., Panayirci E.

2017 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2017, İstanbul, Turkey, 5 - 08 June 2017, vol.2018-January, pp.1-5

VII. Sparse Channel Estimation for Space-Time Block Coded OFDM-Based Underwater Acoustic Channels

Altabbaa M. T., Ogrenci A. S., Panayirci E., Poor H. V.

2018 IEEE Global Communications Conference, GLOBECOM 2018, Abu Dhabi, United Arab Emirates, 9 - 13 December 2018

VIII. Channel Estimation and Equalization Algorithm for OFDM-Based Underwater Acoustic Communications Systems

Yilmaz T.

The Thirteenth International Conference on Wireless and Mobile Communications, Nice, France, 23 - 27 July 2017, pp.113-118

Metrics

Publication: 14

Citation (Scopus): 108

H-Index (Scopus): 4