

Res. Asst. İbrahim Yıldırım

Personal Information

Office Phone: [+90 212 285 3569](tel:+902122853569)

Fax Phone: [+90 212 285 3565](tel:+902122853565)

Email: yildirimib@itu.edu.tr

Web: <https://web.itu.edu.tr/yildirimib>

Address: İstanbul Teknik Üniversitesi Elektrik-Elektronik Fakültesi, Oda:3209

International Researcher IDs

ScholarID: wLwrHaIAAAAJ

ORCID: 0000-0003-0237-8464

Publons / Web Of Science ResearcherID: ABB-4318-2020

ScopusID: 57195505636

Yoksis Researcher ID: 282628

Education Information

Doctorate, Koc University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2019 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, Turkey 2017 - 2019

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2012 - 2017

Foreign Languages

English, C1 Advanced

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Communication System Theory, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Indoor and Outdoor Physical Channel Modeling and Efficient Positioning for Reconfigurable Intelligent Surfaces in mmWave Bands**
Basar E., Yildirim İ., Kilinc F.

IEEE TRANSACTIONS ON COMMUNICATIONS, vol.69, no.12, pp.8600-8611, 2021 (SCI-Expanded)

II. RECONFIGURABLE INTELLIGENT SURFACES FOR FUTURE WIRELESS NETWORKS: A CHANNEL MODELING PERSPECTIVE

Basar E., Yildirim I.

IEEE WIRELESS COMMUNICATIONS, vol.28, no.3, pp.108-114, 2021 (SCI-Expanded)

III. Index Modulation Based Coordinate Interleaved Orthogonal Design for Secure Communications

Ozpoyraz B., Yildirim İ., Başar E.

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.70, no.5, pp.5155-5159, 2021 (SCI-Expanded)

IV. Hybrid RIS-Empowered Reflection and Decode-and-Forward Relaying for Coverage Extension

Yildirim İ., Kilinc F., Basar E., Alexandropoulos G. C.

IEEE COMMUNICATIONS LETTERS, vol.25, no.5, pp.1692-1696, 2021 (SCI-Expanded)

V. Coordinate Interleaved Orthogonal Design With Media-Based Modulation

Yildirim İ., Basar E., Altunbaş İ.

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.70, no.3, pp.2867-2871, 2021 (SCI-Expanded)

VI. Modeling and Analysis of Reconfigurable Intelligent Surfaces for Indoor and Outdoor Applications in Future Wireless Networks

Yildirim İ., Uyrus A., Basar E.

IEEE TRANSACTIONS ON COMMUNICATIONS, vol.69, no.2, pp.1290-1301, 2021 (SCI-Expanded)

VII. Media-based modulation for secrecy communications

Yildirim İ., Basar E., Kurt G. K.

ELECTRONICS LETTERS, vol.54, no.12, pp.789-790, 2018 (SCI-Expanded)

VIII. Quadrature Channel Modulation

Yildirim İ., Basar E., Altunbaş İ.

IEEE WIRELESS COMMUNICATIONS LETTERS, vol.6, no.6, pp.790-793, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Physical Channel Modeling for RIS-Empowered Wireless Networks in Sub-6 GHz Bands

Kılınç F., BAŞAR E., YILDIRIM İ.

Asilomar Conference on Signals, Systems, and Computers, United States Of America, 31 October 2021

II. SimRIS Channel Simulator for Reconfigurable Intelligent Surface-Empowered Communication Systems

BAŞAR E., YILDIRIM İ.

IEEE Latin-American Conference on Communications (LATINCOM), Santo-Domingo, Dominican Republic, 18 November 2020, pp.1-6

III. Fractional Media-Based Modulation with Golden Angle Modulation

Yildirim İ., Başar E., Altunbaş İ.

IEEE WCNC 2019, Advances 5G Radio Access Network Features and Performance (ARANFP) Workshop, Marrakech, Morocco,, Marrakush, Morocco, 15 - 19 April 2019, pp.1-5

Supported Projects

Altunbaş İ., Yıldırım İ., Project Supported by Higher Education Institutions, Ortam Tabanlı Modülasyon: Kanal Modeli ve Kesirli Bit Problemi, 2019 - 2019

Metrics

Publication: 16

Citation (WoS): 52

Citation (Scopus): 77

H-Index (WoS): 4

H-Index (Scopus): 5