

Dr. Öğr. Üyesi MURAT TEMİZ

Kişisel Bilgiler

Web: <https://avesis.metu.edu.tr/mtemiz>

Uluslararası Araştırmacı ID'leri

ScholarID: IV2-N8sAAAAJ

Publons / Web Of Science ResearcherID: ABE-6774-2020

ScopusID: 57193847261

Eğitim Bilgileri

Doktora, The University of Manchester, Faculty of Science and Engineering, Electrical and Electronic Engineering, İngiltere 2016 - 2020

Araştırma Alanları

Haberleşme Mühendisliği, Elektronik, Elektromanyetik

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Multiobjective Array Beamforming Method for Arrays of Flexible Shape**
Meng C., Zhang Y., TEMİZ M., El-Makadema A.
ELECTRONICS, cilt.13, sa.4, 2024 (SCI-Expanded)
- II. **Multibeam Cylindrical Conformal Array in the Presence of Enhanced Mutual Coupling**
Lv X., Zhang Y., Shi Q., Fu Y., TEMİZ M., El-Makadema A., Li H.
ELECTRONICS, cilt.13, sa.2, 2024 (SCI-Expanded)
- III. **High-Resolution Indoor Sensing Using Channel State Information of WiFi Networks**
Zhou H., Zhang Y., Temiz M.
Electronics (Switzerland), cilt.12, sa.18, 2023 (SCI-Expanded)
- IV. **An Experimental Study of Radar-Centric Transmission for Integrated Sensing and Communications**
Temiz M., Horne C., Peters N. J., Ritchie M. A., Masouros C.
IEEE Transactions on Microwave Theory and Techniques, cilt.71, sa.7, ss.3203-3216, 2023 (SCI-Expanded)
- V. **Calibration of Aperture Arrays in Time Domain Using the Simultaneous Perturbation Algorithm**
Zhang Y., Xing H., Lv X., Temiz M., Fu Y., Shi Q., El-Makadema A., Zhang A., Gao J.
IEEE Transactions on Antennas and Propagation, cilt.71, sa.5, ss.4167-4182, 2023 (SCI-Expanded)
- VI. **Characterising nematic liquid crystals using a circular patch resonator**
Wu Q., Zhang Y., Peng H., Temiz M.
Liquid Crystals, cilt.50, sa.6, ss.1069-1081, 2023 (SCI-Expanded)
- VII. **Improved Target Localization in Multiwaveform Multiband Hybrid Multistatic Radar Networks**
Temiz M., Griffiths H., Ritchie M. A.
IEEE Sensors Journal, cilt.22, sa.21, ss.20785-20796, 2022 (SCI-Expanded)
- VIII. **Antenna array calibration methods based on simultaneous perturbation**
Xing H., Zhang Y., Fu Y., Lv X., Xu Z., Shi J., Shi Q., Temiz M., El-Makadema A.
IET Microwaves, Antennas and Propagation, cilt.16, sa.14, ss.898-909, 2022 (SCI-Expanded)

- IX. A Dual-Function Massive MIMO Uplink OFDM Communication and Radar Architecture**
Temiz M., Alsusa E., Baidas M. W.
IEEE Transactions on Cognitive Communications and Networking, cilt.8, sa.2, ss.750-762, 2022 (SCI-Expanded)
- X. Jamming Effects on Hybrid Multistatic Radar Network Range and Velocity Estimation Errors**
Dhulashia D., Temiz M., Ritchie M. A.
IEEE Access, cilt.10, ss.27736-27749, 2022 (SCI-Expanded)
- XI. A Dual Slant-Polarized Cylindrical Array of Tightly Coupled Dipole Antennas**
Lv X., Zhang Y., Shi Q., Temiz M., El-Makadema A.
IEEE Access, cilt.10, ss.30858-30869, 2022 (SCI-Expanded)
- XII. A Foldable Tightly Coupled Crossed Rings Antenna Array of Ultrawide Bandwidth and Dual Polarization**
Fu Y., Zhang Y., Shi Q., Temiz M., El-Makadema A., Shi J.
IEEE Access, cilt.10, ss.86684-86695, 2022 (SCI-Expanded)
- XIII. Determining dielectric properties of nematic liquid crystals at microwave frequencies using inverted microstrip lines**
Peng H., Zhang Y., Zhu S., Temiz M., El-Makadema A.
Liquid Crystals, cilt.49, sa.15, ss.2069-2081, 2022 (SCI-Expanded)
- XIV. Optimized Precoders for Massive MIMO OFDM Dual Radar-Communication Systems**
Temiz M., Alsusa E., Baidas M. W.
IEEE Transactions on Communications, cilt.69, sa.7, ss.4781-4794, 2021 (SCI-Expanded)
- XV. On the Impact of Antenna Array Geometry on Indoor Wideband Massive MIMO Networks**
Temiz M., Alsusa E., Danoon L., Zhang Y.
IEEE Transactions on Antennas and Propagation, cilt.69, sa.1, ss.406-416, 2021 (SCI-Expanded)
- XVI. A Dual-Functional Massive MIMO OFDM Communication and Radar Transmitter Architecture**
Temiz M., Alsusa E., Baidas M. W.
IEEE Transactions on Vehicular Technology, cilt.69, sa.12, ss.14974-14988, 2020 (SCI-Expanded)
- XVII. Impact of imperfect channel estimation and antenna correlation on quantised massive multiple-input multiple-output systems**
Temiz M., Alsusa E., Danoon L.
IET Communications, cilt.13, sa.9, ss.1262-1270, 2019 (SCI-Expanded)
- XVIII. A novel method based on Weibull distribution for short-term wind speed prediction**
KAPLAN O., Temiz M.
International Journal of Hydrogen Energy, cilt.42, sa.28, ss.17793-17800, 2017 (SCI-Expanded)
- XIX. Impact of limiting hop count on the lifetime of wireless sensor networks**
Yıldız H. U., Temiz M., Tavli B.
IEEE Communications Letters, cilt.19, sa.4, ss.569-572, 2015 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Radar-Centric ISAC Through Index Modulation: Over-the-air Experimentation and Trade-offs**
Temiz M., Peters N. J., Horne C., Ritchie M. A., Masouros C.
2023 IEEE Radar Conference, RadarConf23, Texas, Amerika Birleşik Devletleri, 1 - 05 Mayıs 2023, cilt.2023-May
- II. Range and velocity estimations in multi-band hybrid multistatic radar networks**
Temiz M., Griffiths H., Ritchie M.
International Conference on Radar Systems (RADAR 2022), Edinburgh, İngiltere, 10 - 23 Ağustos 2022, ss.1-5
- III. Performance of range and velocity estimation in a multistatic radar network with receiver swarms**
Dhulashia D., Temiz M., Ritchie M. A.
International Conference on Radar Systems (RADAR 2022), Edinburgh, İngiltere, 08 Temmuz 2022, ss.1-5
- IV. Optimized precoders for vehicular massive MIMO radcom systems**
Temiz M., Alsusa E., Baidas M. W.

Joint 30th European Conference on Networks and Communications and 3rd 6G Summit, EuCNC/6G Summit 2021, Virtual, Porto, Portekiz, 8 - 11 Haziran 2021, ss.574-579

- V. **Examining Food Quality via RFID Tag Array**
Lv X., Zhang Y., Shi Q., Temiz M., El-Makadema A.
13th International Conference on Microwave and Millimeter Wave Technology, ICMMT 2021, Nanjing, Çin, 23 - 26 Mayıs 2021
- VI. **In-House Made Inverted Microstrip Line Phase Shifter Based on Nematic Liquid Crystal**
Xing H., Fu Y., Lv X., Peng H., Wu Q., Zhang Y., Temiz M., El-Makadema A.
13th International Symposium on Antennas, Propagation and EM Theory, ISAPE 2021, Zhuhai, Çin, 1 - 04 Aralık 2021
- VII. **Equivalent Circuit of Metamaterial Formed by Array of Conductive Disks**
Fu Y., Xing H., Lv X., Peng H., Xu Z., Zhang Y., Temiz M., El-Makadema A.
13th International Symposium on Antennas, Propagation and EM Theory, ISAPE 2021, Zhuhai, Çin, 1 - 04 Aralık 2021
- VIII. **Dual function flexible coplanar waveguide for feeding antenna of balanced structure**
Lv X., Zhang Y., Shi Q., Fu Y., Xing H., Temiz M.
13th International Symposium on Antennas, Propagation and EM Theory, ISAPE 2021, Zhuhai, Çin, 1 - 04 Aralık 2021
- IX. **A receiver architecture for dual-functional massive MIMO OFDM radcom systems**
Temiz M., Alsusa E., Danoon L.
2020 IEEE International Conference on Communications Workshops, ICC Workshops 2020, Dublin, İrlanda, 7 - 11 Haziran 2020
- X. **Investigation of channel correlation in indoor wideband massive MIMO systems**
Temiz M., Zhang Y., Alsusa E., Danoon L.
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, APSURSI 2019, Georgia, Amerika Birleşik Devletleri, 7 - 12 Temmuz 2019, ss.1577-1578
- XI. **Quantized Massive MIMO Networks under Channel Correlation and CSI Mismatch**
Temiz M., Alsusa E., Danoon L.
28th European Conference on Networks and Communications, EuCNC 2019, Valencia, İspanya, 18 - 21 Haziran 2019, ss.331-336
- XII. **The analysis of wind speed potential and energy density in Ankara**
KAPLAN O., Temiz M.
5th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2016, Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.919-923
- XIII. **Impact of limiting of hop count on lifetime of wireless sensor networks Kablosuz algılayıcı ağlarda atlama sayısının kısıtlanmasının yaşam süresi üzerine etkisi**
Temiz M., Tavli B.
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Türkiye, 24 - 26 Nisan 2013
- XIV. **Impact of Limiting of Hop Count on Lifetime of Wireless Sensor Networks**
TEMİZ M., Tavli B.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013

Metrikler

Yayın: 33

Atif (WoS): 51

Atif (Scopus): 285

H-İndeks (WoS): 4

H-İndeks (Scopus): 10