

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2014 - Continues

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2007 - 2012

Dissertations

Postgraduate, A low-complexity, near-optimal scheduling policy for solving a restless multi-armed bandit problem occurring in a single-hop wireless network, Middle East Technical University, Graduate School of Natural and Applied Sciences, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 2014

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2012 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Energy-aware UAV-driven Data Collection with Priority in Robotic Wireless Sensor Network**
GÜL Ö. M., ERKMEN A. M.
IEEE Sensors Journal, vol.23, no.15, pp.17667-17675, 2023 (SCI-Expanded)
- II. **Heuristic Resource Reservation Policies for Public Clouds in the IoT Era**
Gul O. M.
Sensors, vol.22, no.23, 2022 (SCI-Expanded)
- III. **UAV-Driven Sustainable and Quality-Aware Data Collection in Robotic Wireless Sensor Networks**
GÜL Ö. M., ERKMEN A. M., Kantarci B.
IEEE Internet of Things Journal, vol.9, pp.25150-25164, 2022 (SCI-Expanded)
- IV. **Near optimal scheduling for opportunistic spectrum access over block fading channels in cognitive radio assisted vehicular network**
GÜL Ö. M., Kantarci B.
Vehicular Communications, vol.37, 2022 (SCI-Expanded)
- V. **Energy-Efficient Cluster-Based Data Collection by a UAV with a Limited-Capacity Battery in Robotic Wireless Sensor Networks**
GÜL Ö. M., ERKMEN A. M.

SENSORS, vol.20, no.20, pp.1-35, 2020 (SCI-Expanded)

- VI. **Asymptotically Throughput Optimal Scheduling for Energy Harvesting Wireless Sensor Networks**
Gül Ö. M., Demirekler M.

IEEE ACCESS, vol.6, pp.45004-45020, 2018 (SCI-Expanded)

- VII. **Average Throughput Performance of Myopic Policy in Energy Harvesting Wireless Sensor Networks**
GÜL Ö. M., DEMİREKLER M.

SENSORS, vol.17, no.10, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Average Throughput of Myopic Policy for Opportunistic Access Over Block Fading Channels**

Gül Ö. M.

IEEE Networking Letters, vol.1, pp.38-41, 2019 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Near-optimal opportunistic spectrum access in cognitive radio networks in the 5G and IoT era**

Gul O. M.

46th IEEE Conference on Local Computer Networks, LCN 2021, Edmonton, Canada, 4 - 07 October 2021, vol.2021-October, pp.403-406

- II. **Asymptotically Optimal Scheduling for Energy Harvesting Wireless Sensor Networks**

Gül Ö. M.

IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), Montreal, Canada, 8 - 13 October 2017

- III. **Achieving Nearly 100% Throughput without Feedback in Energy Harvesting Wireless Networks**

GÜL Ö. M., UYSAL BIYIKOĞLU E.

IEEE International Symposium on Information Theory (ISIT), Hawaii, United States Of America, 29 June - 04 July 2014, pp.1171-1175

- IV. **A Randomized Scheduling Algorithm for Energy Harvesting Wireless Sensor Networks Achieving Nearly 100% Throughput**

GÜL Ö. M., UYSAL BIYIKOĞLU E.

IEEE Wireless Communications and Networking Conference (WCNC), İstanbul, Turkey, 6 - 09 April 2014, pp.2456-2461

Memberships / Tasks in Scientific Organizations

IEEE Turkey Young Professionals, Chairman, 2019 - Continues, Turkey

Metrics

Publication: 12

Citation (WoS): 31

Citation (Scopus): 7

H-Index (WoS): 3

H-Index (Scopus): 2

Invited Talks

Energy Efficient Data Collection in Cellular IoT Networks, Seminar, St. Joseph's Institute of Technology, India, July 2020

Scholarships

Technology Leaders Graduate Scholarship, Special Institutions and Organizations, 2013 - 2014