Assoc. Prof. ENGİN MAŞAZADE

Personal Information

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International Researcher IDs
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Biography

Engin Masazade received his B.S. degree from the Department of Electronics and Communications Engineering, Istanbul Technical University, Istanbul, Turkey, in 2003, and his M.S. and Ph.D. degrees from the Department of Electronics Engineering, Sabanci University, Istanbul, Turkey, in 2006 and 2010, respectively. Between 2008 and 2012, he worked as a Pre/Post-Doctoral Research Associate in the Department of Electrical Engineering and Computer Science, Syracuse University, NY, USA under the supervision of Prof. Pramod K. Varshney. Then, between 2012 and 2019, he was working with the Department of Electrical and Electronics Engineering, Yeditepe University, Istanbul, Turkey. He is currently an Associate Professor working with the Department of Electrical and Electronics Engineering, Marmara University, Istanbul, Turkey.

His research interests include statistical signal processing, machine learning, distributed detection, localization, and tracking for wireless sensor networks, and dynamic resource management in sensor/communication networks.

Education Information

Doctorate, Sabanci University, Institute Of Science, Electronics Engineering and Computer Science, Turkey 2006 - 2010
Postgraduate, Sabanci University, Institute Of Science, Electronics Engineering and Computer Science, Turkey 2003 - 2006
Undergraduate, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, Turkey 1999 - 2003

Dissertations

Doctorate, Resource aware distributed detection and estimation of random events in wireless sensor networks, Sabanci University, Institute Of Science, 2010
Postgraduate, Instantaneous ber estimation based link adaptation and scheduling in multi-band OFDM UWB WPANS, Sabanci University, Institute Of Science, 2006

Research Areas

Communication Engineering, Signal Processing

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Electrical and Electronics Engineering, 2019 -
Continues
Assistant Professor, Yeditepe University, Faculty Of Engineering, Department Of Electrical And Electronic Engineering,
2012 - 2019
Researcher, Syracuse University, Faculty of Engineering, Electrical Engineering and Computer Science, 2008 - 2012

Academic and Administrative Experience

Head of Department, Marmara University, Faculty Of Engineering, Electrical And Electronics Engineering, 2022 -
Continues
Fakülte Yönetim Kurulu Üyesi, Marmara University, Faculty of Engineering, Electrical and Electronics Engineering, 2021 -
Continues
Deputy Head of Department, Marmara University, Faculty of Engineering, Electrical and Electronics Engineering, 2019 -
Continues
Deputy Head of Department, Yeditepe University, Faculty Of Engineering, Department Of Electrical And Electronic
Engineering, 2013 - 2019

Courses

Engineering Project I, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Digital Signal Processing, Undergraduate, 2023 - 2024
Special Topics in Control and Automation Engineering , Undergraduate, 2024 - 2025
Communication Engineering, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Digital Communications, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Mobile Communication, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021
Probability and Random Variables, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2019 - 2020
Engineering Project II, Undergraduate, 2023 - 2024, 2021 - 2022, 2019 - 2020
Random Processes, Doctorate, 2023 - 2024, 2020 - 2021, 2019 - 2020
Digital Communication Systems, Doctorate, 2022 - 2023, 2021 - 2022
Seminer, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Advising Theses

Maşazade E., Training and modelling with privacy in network data using machine learning, Postgraduate,
O.CAN(Student), 2024
Maşazade E., Detection of Cargo Package Drop, Postgraduate, A.Tunga(Student), 2022
Maşazade E., Packet loss rate prediction for vehicler networks with regression methods, Postgraduate, O.NURİ(Student),
2022
Maşazade E., An omnet++ model for su transmissions with pu protection in a cognitive radio network, Postgraduate,
B.GÖLGE(Student), 2022
Maşazade E., VISION BASED ROAD SLOPE ESTIMATION, Doctorate, E.ÜSTÜNEL(Student), 2021
Maşazade E., A NSGA-II Based Sensor Selection Scheme For Target Tracking In Wireless Sensor Networks, Postgraduate,
M.LALE(Student), 2020

Maşazade E., Bird call detection using deep learning, Postgraduate, C.YÜKSEL(Student), 2020

Maşazade E., Kırcı P., Kalman filtreleme yaklaşımı kullanılarak yağışölçer verisi ile meteoroloji radarı yağış tahmininin iyileştirilmesi, Postgraduate, A.KEMAL(Student), 2018

ÜNSALAN C., MAŞAZADE E., Real-time system for bird sound recognition, Postgraduate, O.KÜÇÜKTOPCU(Student), 2017

Maşazade E., Erol Barkana D., Detection of distinguishing features using selection methods for robot-assisted rehabilitation system, rehabroby, Postgraduate, Y.PALASKA(Student), 2017

Maşazade E., Field estimation in a wireless sensor network using low power and low cost designed sensors, Postgraduate, V.YAMAN(Student), 2017

Maşazade E., Resource aware adaptive binary quantizer design for target tracking in wireless sensor networks, Postgraduate, A.KÖSE(Student), 2016

Maşazade E., Realization of source localization with sensor selection in a wireless sensor network formed with low cost, energy efficient sensors, Postgraduate, V.TALHA(Student), 2016

Jury Memberships

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, July, 2023

Doctoral Examination, Doctoral Examination, Sabancı Üniversitesi, March, 2023

Post Graduate, Post Graduate, Sabancı Üniversitesi, January, 2023

Doctorate, Doctorate, Yeditepe Üniversitesi, September, 2022

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, September, 2022

Post Graduate, Post Graduate, Marmara Üniversitesi, July, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Marmara Üniversitesi, July, 2022

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, March, 2022

Post Graduate, Post Graduate, Yeditepe Üniversitesi, January, 2022

Post Graduate, Post Graduate, Yeditepe Üniversitesi, December, 2020

Post Graduate, Post Graduate, Marmara Üniversitesi, February, 2020

Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, February, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yeditepe Üniversitesi, February, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yeditepe Üniversitesi, February, 2020

Post Graduate, Post Graduate, Yeditepe Üniversitesi, September, 2019

Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, September, 2019

Doctorate, Doctorate, Yeditepe Üniversitesi, July, 2019

Doctoral Examination, Doctoral Examination, Yeditepe Üniversitesi, June, 2019

Doctorate, Doctorate, Yeditepe Üniversitesi, May, 2019

Post Graduate, Post Graduate, Yeditepe Üniversitesi, May, 2019

Post Graduate, Post Graduate, Yeditepe Üniversitesi, November, 2017

Post Graduate, Post Graduate, Yeditepe Üniversitesi, November, 2017

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, October, 2017

Doctorate, Doctorate, Yeditepe Üniversitesi, May, 2017

Doctorate, Doctorate, Yeditepe Üniversitesi, April, 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Iterative Range and Road Parameters Estimation Using Monocular Camera on Highways**
Ustunel E., Maşazade E.
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.24, no.1, pp.139-151, 2023 (SCI-

Expanded)

II. **Probabilistic object tracking by low power microcontrollers**
Buyukesmeli H., Maşazade E., Ünsalan C.
JOURNAL OF REAL-TIME IMAGE PROCESSING, vol.18, pp.2539-2550, 2021 (SCI-Expanded)

III. **Dynamic Difficulty Level Adjustment Based on Score and Physiological Signal Feedback in the Robot-Assisted Rehabilitation System, RehabRoby**
Ozkul F., Barkana D. E., MAŞAZADE E.
IEEE ROBOTICS AND AUTOMATION LETTERS, vol.6, no.2, pp.447-454, 2021 (SCI-Expanded)

IV. **Formation of a wireless sensor network using custom-designed sensors having low power and low cost components**
Akgun V. Y., MAŞAZADE E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.5, pp.2702-2717, 2020 (SCI-Expanded)

V. **Vision-based road slope estimation methods using road lines or local features from instant images**
Ustunel E., Masazade E.
IET Intelligent Transport Systems, vol.13, no.10, pp.1590-1602, 2019 (SCI-Expanded)

VI. **Exploring dynamic difficulty adjustment mechanism for rehabilitation tasks using physiological measures and subjective ratings**
Ozkul F., Palaska Y., MAŞAZADE E., Erol-Barkana D.
IET SIGNAL PROCESSING, vol.13, no.3, pp.378-386, 2019 (SCI-Expanded)

VII. **A real-time bird sound recognition system using a low-cost microcontroller**
Kucuktopcu O., Maşazade E., Ünsalan C., Varshney P. K.
APPLIED ACOUSTICS, vol.148, pp.194-201, 2019 (SCI-Expanded)

VIII. **A Kalman filter application for rainfall estimation using radar reflectivity measurements**
Maşazade E., Bakır A. K., Kırcı P.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, pp.1198-1212, 2019 (SCI-Expanded)

IX. **Vision-based game design and assessment for physical exercise in a robot-assisted rehabilitation system**
Erdoğan H., Palaska Y., MAŞAZADE E., Barkana D. E., EKENEL H. K.
IET COMPUTER VISION, vol.12, no.1, pp.59-68, 2018 (SCI-Expanded)

X. **A Proportional Time Allocation Algorithm to Transmit Binary Sensor Decisions for Target Tracking in a Wireless Sensor Network**
Maşazade E., Köse A.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.66, pp.86-100, 2018 (SCI-Expanded)

XI. **Enhanced Dynamic Spectrum Access in Multiband Cognitive Radio Networks via Optimized Resource Allocation**
Bhardwaj P., Panwar A., Ozdemir O., MAŞAZADE E., Kasperovich I., Drozd A. L., Mohan C. K., Varshney P. K.
IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.15, no.12, pp.8093-8106, 2016 (SCI-Expanded)

XII. **Sensor Selection for Target Tracking in Wireless Sensor Networks With Uncertainty**
Cao N., Choi S., MAŞAZADE E., Varshney P. K.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.64, no.20, pp.5191-5204, 2016 (SCI-Expanded)

XIII. **Sensor Selection for Estimation with Correlated Measurement Noise**
Liu S., Chepuri S. P., Fardad M., MAŞAZADE E., Leus G., Varshney P. K.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.64, no.13, pp.3509-3522, 2016 (SCI-Expanded)

XIV. **Permutation Trellis Coded Multi-Level FSK Signaling to Mitigate Primary User Interference in Cognitive Radio Networks**
El-Bardan R., MAŞAZADE E., Ozdemir O., Han Y. S., Varshney P. K.
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.64, no.1, pp.104-116, 2016 (SCI-Expanded)

XV. **Energy-Aware Sensor Selection in Field Reconstruction**
Liu S., Vempaty A., Fardad M., MAŞAZADE E., Varshney P. K.

IEEE SIGNAL PROCESSING LETTERS, vol.21, no.12, pp.1476-1480, 2014 (SCI-Expanded)

XVI. **Optimal Periodic Sensor Scheduling in Networks of Dynamical Systems**
Liu S., Fardad M., MAŞAZADE E., Varshney P. K.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.62, no.12, pp.3055-3068, 2014 (SCI-Expanded)

XVII. **Channel-Aware Tracking in Multi-Hop Wireless Sensor Networks with Quantized Measurements**
Yang X., Niu R., MAŞAZADE E., Varshney P. K.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.49, no.4, pp.2353-2368, 2013 (SCI-Expanded)

XVIII. **Sparsity-Promoting Extended Kalman Filtering for Target Tracking in Wireless Sensor Networks**
MAŞAZADE E., Fardad M., Varshney P. K.
IEEE SIGNAL PROCESSING LETTERS, vol.19, no.12, pp.845-848, 2012 (SCI-Expanded)

XIX. **Dynamic Bit Allocation for Object Tracking in Wireless Sensor Networks**
MAŞAZADE E., Niu R., Varshney P. K.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.60, no.10, pp.5048-5063, 2012 (SCI-Expanded)

XX. **Energy Aware Iterative Source Localization for Wireless Sensor Networks**
MAŞAZADE E., Niu R., Varshney P. K., KESKİNÖZ M.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.58, no.9, pp.4824-4835, 2010 (SCI-Expanded)

XXI. **Cross-layer enhanced time scheduling for multi-band OFDM UWB networks**
KESKİNÖZ M., Gurbuz O., MAŞAZADE E.
WIRELESS NETWORKS, vol.16, no.3, pp.863-873, 2010 (SCI-Expanded)

XXII. **A Multiobjective Optimization Approach to Obtain Decision Thresholds for Distributed Detection in Wireless Sensor Networks**
MAŞAZADE E., Rajagopalan R., Varshney P. K., Mohan C., Sendur G. K., KESKİNÖZ M.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, vol.40, no.2, pp.444-457, 2010 (SCI-Expanded)

XXIII. **An Efficient Realization Bit Error Rate Estimation Method for Multiband OFDM based UWB Systems**
MAŞAZADE E., KESKİNÖZ M.
European Transactions on Telecommunications, vol.20, pp.617-624, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Developing a wireless sensor network testbed using MSP430G2553 and nRF24L01+ based sensors**
Masazade E., Dogukan V. T., Akgun V. Y.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, pp.208-214, 2019 (ESCI)

II. **Çok Atlamalı İletim İçeren Bir Telsiz Duyarga Ağında Hedef Takibi için Uyarlı Duyarga Nicemleme Eşiklerinin Çok lı Eniyileme ile Belirlenmesi**
Maşazade E., Köse A.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.19, pp.28-44, 2017 (Peer-Reviewed Journal)

III. **Admittance filter parameter adjustment of a robot-assisted rehabilitation system (Rehabroby)**
Ozkul F., Barkana D. E., Maşazade E.
Lecture Notes in Mechanical Engineering, pp.87-96, 2017 (Scopus)

Books & Book Chapters

I. **Chapter 8: Information Fusion and Target Tracking: Information-Theoretic Sensor Selection**
Cao N., Varshney P. K., Maşazade E., Haley S.
in: Information-Theoretic Radar Signal Processing, Yujie Gu,Yimin D. Zhang, Editor, Wiley-IEEE, New Jersey, pp.217-

247, 2025

II. **Chapter 4: Behavior Classification of Egyptian Fruit Bat (Rousettus aegyptiacus) From Calls With Deep Learning**
Yılmaz B., Şen M., MAŞAZADE E., BEŞKARDEŞ V.
in: Handbook of Research on New Investigations in Artificial Life, AI, and Machine Learning , Maki K. Habib, Editor, IGI-GLOBAL, pp.60-99, 2022

III. **Chapter 4 - Classification of the Emotional State of a Subject using Machine Learning Algorithms for RehabRoby**
EROL BARKANA D., MAŞAZADE E.
in: Handbook of Research on Advancements in Robotics and Mechatronics, Maki K. Habib, Editor, IGI-GLOBAL, pp.53-81, 2014

IV. **Chapter 5 - Distributed Signal Detection**
Varshney P. K., MAŞAZADE E.
in: Academic Press Library in Signal Processing, Volume 3: Array and Statistical Signal Processing, Abdelhak M. Zoubir, Mats Viberg, Rama Chellappa and Sergios Theodoridis, Editor, Academic Press, pp.187-207, 2013

V. **Chapter 4 - Distributed Detection in Wireless Sensor Networks**
Varshney P. K., MAŞAZADE E., Ray P., Niu R.
in: Distributed Data Fusion for Network-Centric Operations, David Hall, Chee-Yee Chong, Editor, CRC Press, pp.65-95, 2012

VI. **Chapter 21 - Conditional Posterior Cramér–Rao Lower Bound and its Applications in Adaptive Sensor Management**
Niu R., Zuo L., MAŞAZADE E., Varshney P. K.
in: Distributed Video Sensor Networks, Bhanu, B., Ravishankar, C.V., Roy-Chowdhury, A.K., Aghajan, H., Terzopoulos, D, Editor, Springer, pp.303-317, 2011

Refereed Congress / Symposium Publications in Proceedings

I. **Training and Modeling with Privacy in Network Data Using Machine Learning**
Baba O. C., Maşazade E.
ASYU 2024 - Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, Ankara, Turkey, 16 - 18 October 2024

II. **A Reinforcement Learning Model for Industrial Filling Process Control**
Emeksiz Ö. S., Ağcabay M. E., Maşazade E., Selim S., Boysan T.
IEEE 30th International Conference on Electronics, Circuits and Systems (ICECS), İstanbul, Turkey, 4 - 07 December 2023, pp.1-4

III. **Kargo Paketi Düşmesini Algılama**
Erdoğan A. T., Maşazade E.
ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Bursa, Turkey, 24 - 26 November 2022

IV. **Packet Loss Rate Prediction for Vehicular Networks with Regression Methods**
Koc O. N., Masazade E.
2022 30th Signal Processing and Communications Applications Conference (SIU), Karabük, Turkey, 15 - 18 May 2022, pp.1

V. **Classification of Egyptian Fruit Bat Calls with Deep Learning Methods**
Mesci D., Koluacik A., Yilmaz B., Sen M., Masazade E., Beskardes V.
2022 30th Signal Processing and Communications Applications Conference (SIU), Karabük, Turkey, 15 - 18 May 2022, pp.1

VI. **Enhanced Dynamic Scheduling for Uplink Latency Reduction in Broadband VoLTE Systems**
Gizik A., Şensoy Ö. A., Maşazade E.
2021 55th Asilomar Conference on Signals, Systems, and Computers, California, United States Of America, 31 October - 03 November 2021, pp.13-17

VII. **Düşük Güçlü ve Düşük Maliyetli Birimler kullanılarak Tasarlanan Duyargalar ile Alan Kestirimi**

Gerçekleştirilmesi
Akgun V. Y., MAŞAZADE E.
2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 15 - 18
May 2017

VIII. **Distinguishing levels of challenge from physiological signals for the robot-assisted rehabilitation system, RehabRoby**
Palaska Y., Erdogan H., EKENEL H. K., MAŞAZADE E., EROL BARKANA D.
2017 IEEE 30th Canadian Conference on Electrical and Computer Engineering (CCECE), Windsor, ON, Canada, Canada, 30 April - 03 May 2017

IX. **A multiobjective optimization approach for adaptive binary quantizer design for target tracking in wireless sensor networks**
Kose A., MAŞAZADE E.
2015 IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI), San Diego, CA, USA, United States Of America, 14 - 16 September 2015

X. **Emotional state and cognitive load analysis using features from BVP and SC sensors**
Gokay R., MAŞAZADE E., AYDIN BAYSAL Ç., EROL BARKANA D.
2015 IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems (MFI), San Diego, CA, USA, United States Of America, 14 - 16 September 2015

XI. **Sensor selection with correlated measurements for target tracking in wireless sensor networks**
Liu S., Fardad M., MAŞAZADE E., Varshney P. K.
2015 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), South Brisbane, Queensland, Australia, 19 - 24 April 2015

XII. **Adaptive sampling with sensor selection for target tracking in wireless sensor networks**
Kose A., MAŞAZADE E.
2014 48th Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, USA, United States Of America, 2 - 05 November 2014

XIII. **Clustering of Emotional States under Different Task Difficulty Levels for the Robot-assisted Rehabilitation system-RehabRoby**
Aypar Y. C., Palaska Y., Gokay R., MAŞAZADE E., EROL BARKANA D., Sarkar N.
2014, Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, Vienna, Austria, Austria, 1 - 03 September 2014

XIV. **Spectrum shaping challenges in dynamic spectrum access networks with transmission hyperspace**
Ozdemir O., MAŞAZADE E., Mohan C. K., Varshney P. K., Kasperovich I., Loe R., Drozd A. L., Reichhart S.
2012 International Waveform Diversity Design Conference (WDD), Kauai, HI, USA, United States Of America, 22 - 27 January 2012

XV. **Sparsity-aware field estimation via ordinary Kriging**
Liu S., MAŞAZADE E., Fardad M., Varshney P. K.
2014 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, Italy, Italy, 4 - 09 May 2014

XVI. **Adaptive non-myopic quantizer design for target tracking in wireless sensor networks**
Liu S., MAŞAZADE E., Shen X., Varshney P. K.
2013 Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, USA, United States Of America, 3 - 06 November 2013

XVII. **On optimal periodic sensor scheduling for field estimation in wireless sensor networks**
Liu S., Fardad M., MAŞAZADE E., Varshney P. K.
2013 IEEE Global Conference on Signal and Information Processing, Austin, TX, USA, United States Of America, 3 - 05 December 2013

XVIII. **A market based dynamic bit allocation scheme for target tracking in wireless sensor networks**
MAŞAZADE E., Varshney P. K.
2013 IEEE International Conference on Acoustics, Speech and Signal Processing, Vancouver, BC, Canada, 26 - 31 May 2013

XIX. **A multiobjective optimization based sensor selection method for target tracking in Wireless Sensor Networks**
MAŞAZADE E., Varshney P. K., Cao N.
2013 16th International Conference on Information Fusion (FUSION), 9 - 12 July 2013

XX. **A cross layer routing protocol for cognitive radio networks using channel activity tracking**
Gogineni S., Ozdemir O., MAŞAZADE E., Mohan C. K., Varshney P. K.
2012 Conference Record of the Forty Sixth Asilomar Conference on Signals, Systems and Computers (ASILOMAR), Pacific Grove, CA, USA, United States Of America, 4 - 07 November 2012

XXI. **Temporally staggered sensing for field estimation with quantized data in wireless sensor networks**
Liu S., MAŞAZADE E., Varshney P. K.
2012 IEEE Statistical Signal Processing Workshop (SSP), Ann Arbor, MI, USA, 5 - 08 August 2012

XXII. **On optimization algorithms for the design of multiband cognitive radio networks**
Panwar A., Bhardwaj P., Ozdemir O., MAŞAZADE E., Mohan C. K., Varshney P. K., Drozd A. L.
2012 46th Annual Conference on Information Sciences and Systems (CISS), Princeton, NJ, USA, United States Of America, 21 - 23 March 2012

XXIII. **An approximate dynamic programming based non-myopic sensor selection method for target tracking**
MAŞAZADE E., Niu R., Varshney P. K.
2012 46th Annual Conference on Information Sciences and Systems (CISS), Princeton, NJ, USA, United States Of America, 21 - 23 March 2012

XXIV. **Performance of Permutation Trellis Codes in Cognitive Radio Networks**
Bardan R. E., MAŞAZADE E., Ozdemir O., Varshney P. K.
2012 35th IEEE Sarnoff Symposium, Newark, NJ, USA, United States Of America, 21 - 22 May 2012

XXV. **Successful Communications in a Cognitive Radio Network with Transmission Hyperspace**
Ozdemir O., Drozd A. L., MAŞAZADE E., Varshney P. K.
2011 IEEE Global Telecommunications Conference - GLOBECOM 2011, Houston, TX, USA, United States Of America, 5 - 09 December 2011

XXVI. **Dynamic bandwidth allocation for target tracking in wireless sensor networks**
MAŞAZADE E., Niu R., Varshney P. K.
2011 Proceedings of the 14th International Conference on Information Fusion (FUSION), 5 - 08 July 2011

XXVII. **Channel aware target tracking in multi-hop wireless sensor networks**
Yang X., Niu R., MAŞAZADE E., Varshney P. K.
2011 Proceedings of the 14th International Conference on Information Fusion (FUSION), 5 January - 08 July 2011

XXVIII. **Channel aware iterative source localization for wireless sensor networks**
MAŞAZADE E., Niu R., Varshney P. K., KESKİNÖZ M.
2010 13th Conference on Information Fusion (FUSION), 26 - 29 July 2010

XXIX. **A probabilistic transmission scheme for distributed estimation in wireless sensor networks**
MAŞAZADE E., Niu R., Varshney P. K., KESKİNÖZ M.
2010 44th Annual Conference on Information Sciences and Systems (CISS), Princeton, NJ, USA, United States Of America, 17 - 19 March 2010

XXX. **A Monte Carlo based energy efficient source localization method for wireless sensor networks**
MAŞAZADE E., Niu R., Varshney P. K., KESKİNÖZ M.
2009 3rd IEEE International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP), Arua, Uganda, 13 - 16 December 2009

XXXI. **Evaluation of local decision thresholds for distributed detection in wireless sensor networks using multiobjective optimization**
MAŞAZADE E., Rajagopalan R., Varshney P. K., KIZILTAŞ ŞENDUR G., KESKİNÖZ M.
2008 42nd Asilomar Conference on Signals, Systems and Computers, Pacific Grove, CA, USA, United States Of America, 26 - 29 October 2008

XXXII. **An energy efficient iterative method for source localization in wireless sensor networks**
MAŞAZADE E., Niu R., Varshney P. K., KESKİNÖZ M.

2009 43rd Annual Conference on Information Sciences and Systems, Baltimore, MD, USA, United States Of America, 18 - 20 March 2009

XXXIII. **Proportional Time Sharing with Frame Size Adaptation for MB OFDM based UWB WPANs**
MAŞAZADE E., KESKİNÖZ M., GÜRBÜZ ÜNLÜYURT Ö.
2006 IEEE Long Island Systems, Applications and Technology Conference, Farmingdale, NY, USA, United States Of America, 05 May 2006

XXXIV. **Telsiz Duyarga Ağları için Sönümlemeli Kanallarda Basitleştirilmiş bir Paralel Dağınık Sezim Yöntemi**
Eritmen K., MAŞAZADE E., KESKİNÖZ M.
2007 IEEE 15th Signal Processing and Communications Applications, Eskisehir, Turkey, Turkey, 11 - 13 June 2007

XXXV. **MB-OFDM UWB Telsiz Kişisel Alan Ağları için Uyarlamalı Paket Boyu Seçimi ve Orantılı Zaman Çizelgeleme Yöntemi**
MAŞAZADE E., KESKİNÖZ M., GÜRBÜZ ÜNLÜYURT Ö.
2006 IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, Turkey, 17 - 19 April 2006

Supported Projects

Maşazade E., TUBITAK Project, İMALAT DOLUM SİSTEMLERİNDE YAPAY ZEKA DESTEKLİ TARTIM CİHAZI GELİŞTİRMEK İÇİN VERİ ANALİZ CİHAZI GELİŞTİRİLMESİ (BX 30 FİLL ANALYZER), 2024 - 2025
Maşazade E., Erol Barkana D., TUBITAK Project, 114E614: Bir Robot-Destekli Rehabilitasyon Sistemi İçin Fizik Tedavinin Zorluk Derecesinin Bireyin Duygusal Durumuna Göre Uyarlanması, 2015 - 2017
Maşazade E., TUBITAK Project, 113E220: Telsiz Duyarga Ağlarında Uyarlamalı Özkaynak Yönetimi, 2013 - 2016
Maşazade E., Erol Barkana D., TUBITAK Project, 114E437: Fizyolojik Veriden Duygusal Durumu Ayırt Edici Uygun Özniteliklerin Çıkarılması, 2014 - 2015

Activities in Scientific Journals

IEEE SENSORS JOURNAL, Assistant Editor/Section Editor, 2023 - Continues
International Journal of Computer Theory and Engineering, Committee Member, 2023 - Continues
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, Assistant Editor/Section Editor, 2022 - Continues

Memberships / Tasks in Scientific Organizations

Association for Computing Machinery (ACM), Member, 2023 - Continues, United States Of America
IEEE Aerospace and Electronic Systems Society, Member, 2023 - Continues, United States Of America
IEEE Signal Processing Society, Member, 2020 - Continues, United States Of America
IEEE, Member, 2003 - Continues

Scientific Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, December 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, December 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2023
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University,

Turkey, November 2023

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, September 2023

TUBITAK Project, My support program is not listed (Old), Marmara University, Turkey, June 2023

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, May 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, May 2023

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, April 2023

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Marmara University, Turkey, March 2023

IEEE Transactions on Signal and Information Processing over Networks, SCI Journal, February 2023

IEEE Transactions on Signal and Information Processing over Networks, SCI Journal, January 2023

SIGNAL PROCESSING, SCI Journal, January 2023

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, SCI Journal, January 2023

TUBITAK Project, My support program is not listed (Old), Marmara University, Turkey, January 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, January 2023

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, January 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2022

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Marmara University, Turkey, November 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2022

COMPUTER NETWORKS, SCI Journal, October 2022

APPLIED ACOUSTICS, SCI Journal, September 2022

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, September 2022

TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Marmara University, Turkey, August 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, August 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, August 2022

IEEE SENSORS JOURNAL, SCI Journal, July 2022

INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, Journal Indexed in SCI-E, July 2022

IEEE SENSORS JOURNAL, SCI Journal, July 2022

IEEE ACCESS, SCI Journal, July 2022

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, SCI Journal, July 2022

TUBITAK Project, 3501 - National Young Researcher Career Development Program, Marmara University, Turkey, July 2022

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, June 2022

IEEE COMMUNICATIONS LETTERS, SCI Journal, June 2022

APPLIED ACOUSTICS, SCI Journal, June 2022

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2022

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, June 2022

TUBITAK Project, 1002 - Quick Support Program, Marmara University, Turkey, June 2022

IEEE SENSORS JOURNAL, SCI Journal, May 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, May 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, May 2022

IEEE SIGNAL PROCESSING LETTERS, SCI Journal, April 2022

IEEE TRANSACTIONS ON RELIABILITY, SCI Journal, April 2022

IEEE COMMUNICATIONS LETTERS, SCI Journal, April 2022

IEEE SENSORS JOURNAL, SCI Journal, April 2022

INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS, Journal Indexed in SCI-E, March 2022

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, March 2022

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, March 2022

IEEE SIGNAL PROCESSING MAGAZINE, SCI Journal, March 2022

IEEE ACCESS, SCI Journal, March 2022

INFORMATION FUSION, SCI Journal, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, November 2021

IEEE SENSORS JOURNAL, SCI Journal, September 2021

IEEE SIGNAL PROCESSING MAGAZINE, SCI Journal, September 2021

TURKİSH JOURNAL OF ELECTRİCAL ENGİNEERİNG AND COMPUTER SCİENCE, National Scientific Refreed Journal, July 2021

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, July 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Marmara University, Turkey, June 2021

IET SIGNAL PROCESSING, Journal Indexed in SCI-E, May 2021

IEEE TRANSACTIONS ON FUZZY SYSTEMS, SCI Journal, April 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Marmara University, Turkey, April 2021

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Marmara University, Turkey, March 2021

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Marmara University, Turkey, March 2021

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Marmara University, Turkey, March 2021

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Marmara University, Turkey, March 2021

IEEE COMMUNICATIONS LETTERS, SCI Journal, February 2021

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, February 2021

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, February 2021

IEEE SENSORS JOURNAL, SCI Journal, January 2021

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, December 2020

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, December 2020

IEEE SENSORS JOURNAL, SCI Journal, November 2020

INFORMATION FUSION, SCI Journal, November 2020

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, SCI Journal, November 2020

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, November 2020

IEEE COMMUNICATIONS LETTERS, SCI Journal, November 2020

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, November 2020

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Marmara University, Turkey, November 2020

SIGNAL PROCESSING, SCI Journal, October 2020

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Marmara University, Turkey, October 2020

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Marmara University, Turkey, October 2020

IET COMMUNICATIONS, Journal Indexed in SCI-E, April 2020

APPLIED ACOUSTICS, Journal Indexed in SCI-E, March 2020

IEEE TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING OVER NETWORKS, SCI Journal, March 2020

IEEE SENSORS JOURNAL, Journal Indexed in SCI-E, March 2020

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Marmara University, Turkey, March 2020

AD HOC NETWORKS, Journal Indexed in SCI-E, February 2020

KOSGEB, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Marmara University, Turkey, February 2020

TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), Marmara University, Turkey, December 2019

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Marmara University, Turkey, October 2019

IEEE COMMUNICATIONS LETTERS, SCI Journal, September 2019

IEEE TRANSACTIONS ON SIGNAL AND INFORMATION PROCESSING OVER NETWORKS, Journal Indexed in SCI-E, September 2019

KOSGEB, Yeditepe University, Turkey, July 2019

KOSGEB, Marmara University, Turkey, July 2019

KOSGEB, Yeditepe University, Turkey, April 2019

KOSGEB, Yeditepe University, Turkey, April 2019

KOSGEB, Marmara University, Turkey, January 2019

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, December 2018

IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, July 2018

Scientific Consultations

Baykon Endüstriyel Kontrol Sistemleri A.Ş., Scientific Consultancy, Marmara University, Faculty of Engineering, Electrical and Electronics Engineering, Turkey, 2022 - Continues

Scientific Research / Working Group Memberships

Endüstri 4.0 Araştırma Grubu, İstanbul University-Cerrahpaşa, Turkey, https://avesis.iuc.edu.tr/arastirma-grubu/smart/grup-uyeleri, 2021 - Continues

Metrics

Publication: 67
Citation (WoS): 557
Citation (Scopus): 921
H-Index (WoS): 10
H-Index (Scopus): 15

Congress and Symposium Activities

30. SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Session Moderator, Karabük, Turkey, 2022
25. SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Session Moderator, Antalya, Turkey, 2017
MFI 2015 - IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems, Invited Speaker, California, United States Of America, 2015
MFI 2015 - IEEE International Conference on Multisensor Fusion and Integration for Intelligent Systems, Session Moderator, California, United States Of America, 2015
16th International Conference on Information Fusion, Session Moderator, İstanbul, Turkey, 2013

Scholarships

2214 A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TUBITAK, 2008 - 2008

Non Academic Experience

SYRACUSE UNIVERSITY, A.B.D.