

Asst. Prof. TİMUR İNAN

Personal Information

Email: timur.inan@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/timur.inan>

Address: timur.inan@marmara.edu.tr

International Researcher IDs

ScholarID: Hmv8GjwAAAAJ

ORCID: 0000-0002-6647-3025

Publons / Web Of Science ResearcherID: AAK-3941-2020

ScopusID: 57203009874

Yoksis Researcher ID: 17370

Biography

Timur İnan completed his undergraduate education in the Department of Electronics-Computer Education at Marmara University Technical Education Faculty, his master's degree in Electronics-Computer Education at Marmara University Institute of Science, and his doctorate in Electrical-Electronics Engineering at Marmara University Institute of Science and Technology. He received the title of Doctor in 2019.

He worked as a lecturer in the Department of Computer Programming at Istanbul Arel University Vocational School between 2011 and 2021. Between 2021-2024, he worked as a doctoral faculty member in the Software Engineering (English) department of Altınbaş University. As of March 2024, he has been working as a doctoral faculty member at Marmara University, Faculty of Technology, Department of Computer Engineering. His areas of interest are Artificial Intelligence, Optimization Algorithms, Image Processing and Embedded Systems.

Education

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 2013 - 2019

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 2009 - 2013

Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yüzen vasıtlar için seyir planlaması yapabilen bir zeki sistemin geliştirilmesi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2019

Postgraduate, Hareketli hedefi takip eden robot kolu sistemi, Marmara University, Institute for Graduate Studies in Pure

and Applied Sciences, 2013

Research Areas

Computer Sciences, Electrical and Electronics Engineering

Academic Positions

Assistant Professor, Marmara University, Faculty of Technology, Computer Engineering, 2024 - Continues

Assistant Professor, Altinbas University, 2021 - 2024

Assistant Professor, Istanbul Arel University, 2020 - 2021

Lecturer, Istanbul Arel University, 2011 - 2021

Academic and Administrative Experience

Deputy Head of Department, Altinbas University, 2021 - 2024

Rectorate Commissioner, Altinbas University, 2021 - 2023

Head of Department, Istanbul Arel University, 2020 - 2021

Meslek Yüksekokulu Kurulu Üyesi, Istanbul Arel University, 2020 - 2021

Courses

Postgraduate

Artificial Intelligence, Postgraduate, 2023 - 2024

Undergraduate

Mobil Programlama, Undergraduate, 2023 - 2024

Embedded System Design, Undergraduate, 2023 - 2024

Bilgisayar Programlama, Undergraduate, 2023 - 2024

Introduction to Mobile Programming, Undergraduate, 2023 - 2024

Object Oriented Programming, Undergraduate, 2023 - 2024

Jury Memberships

Competition, Teknofest 2023, Altınbaş Üniversitesi, May, 2023

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Kodlayıcı kod çözücü ve dikkat algoritmaları kullanılarak karakter tabanlı kelime üretimi**
Ergin İ., İnan T.
Gazi üniversitesi mühendislik mimarlık fakültesi dergisi, vol.39, no.3, pp.1999-2010, 2024 (SCI-Expanded)
- II. **Designing a System to Recognize Main Arabic Dialects**
Alhelal D., İnan T.
IEEE ACCESS, vol.12, pp.166225-166237, 2024 (SCI-Expanded)
- III. **Building a hybrid algorithm based decision support system to prevent ship collisions**
İnan T., BABA A. F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1213-

1230, 2020 (SCI-Expanded)

IV. Particle swarm optimization-based collision avoidance

Inan T., BABA A. F.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.3, pp.2137-2155, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **A novel and effective method based deep learning model for detecting non-technical electricity losses**
İNAN T., Baldawi I.
INTERNATIONAL JOURNAL OF POWER ELECTRONICS AND DRIVE SYSTEMS, vol.14, no.4, pp.2464-2473, 2023 (Scopus)
- II. **Enhanced Emotion Recognition Through the Integration of Gated Recurrent Unit and Convolutional Neural Networks Using MindWave Mobile EEG Device**
İNAN T., Hamdi M.
Mathematical Modelling of Engineering Problems, vol.10, no.5, pp.1643-1656, 2023 (Scopus)
- III. **A Decision Support System Based on Machine Learning for Land Investment**
İNAN T., Hussein Hussein Alali D.
JOURNAL OF EDUCATION AND SCIENCE, 2023 (Peer-Reviewed Journal)
- IV. **A MISSING DATA IMPUTATION METHOD BASED ON GREY WOLF ALGORITHM FOR DIABETES DISEASE**
İNAN T., Ahmed A. M.
AURUM Journal of Engineering Systems and Architecture, vol.7, no.1, pp.55-72, 2023 (Peer-Reviewed Journal)
- V. **Using Cloud Computing Services In The Knowledge Sharing Process In Iraqi Universities**
Ibrahim H. A., İNAN T.
JOURNAL OF POSITIVE PSYCHOLOGY AND WELLBEING, vol.6, no.6, pp.5423-5435, 2022 (Scopus)
- VI. **OCR Accuracy on Document Images utilizing Modern Enhanced Approach**
Abdulkareem Mahdi M., İNAN T.
Eurasian Journal of Engineering and Technology, vol.7, no.1, pp.1-14, 2022 (Peer-Reviewed Journal)
- VII. **Hava ve Deniz Şartları Dikkate Alınarak Gemi Sefer Performansının Modellenmesi: Ege Denizi örneği**
İNAN T.
International journal of advances in engineering and pure sciences (Online), vol.34, no.2, pp.235-241, 2022 (Peer-Reviewed Journal)
- VIII. **Ticari gemiler için seyir süresi ve yakıttüketiminin azaltılması amaçlı, hava ve deniz şartlarına göre rota optimizasyonu sistemi**
İNAN T., BABA A. F.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, no.3, pp.879-892, 2021 (ESCI)
- IX. **Prediction of geostrophic currents using big weather data archive and neural networks for the Aegean Sea**
İNAN T., BABA A. F.
Global Journal of Computer Sciences: Theory and Research, vol.9, no.1, pp.10-20, 2019 (Peer-Reviewed Journal)
- X. **Finding and comparing shortest path solutions by using various methods on a detailed network of the Aegean Sea**
İNAN T., BABA A. F.
Global Journal of Computer Sciences: Theory and Research, vol.8, no.3, pp.96-110, 2019 (Peer-Reviewed Journal)
- XI. **A PSO Approach to Navigational Shortest Path Problem on an Experience-Based Network Model of the Aegean Sea**
İNAN T., BABA A. F.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.2, no.2, pp.67-71, 2018 (Peer-Reviewed Journal)

- XII. **Building artificial neural networks to predict direction and magnitude of wind, current and wave for sailing vessels**
İNAN T., BABA A. F.
Global Journal of Information Technologies:Emerging Technologies, vol.8, no.2, pp.55-61, 2018 (Peer-Reviewed Journal)
- XIII. **Ege Denizi Limanlarının Arasındaki En Kısa Yol Probleminin Çözümünde Genetik Algoritma Yaklaşımı**
İNAN T., BABA A. F.
International journal of advances in engineering and pure sciences (Online), vol.30, no.1, pp.197-208, 2018 (Peer-Reviewed Journal)
- XIV. **Moving target trajectory estimation using kalman curve fitting and anfis methods**
İNAN T.
Global Journal of Information Technology, vol.5, no.1, pp.25-40, 2015 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Integrating Fuzzy Logic into Portfolio Optimization: Enhancing Risk Management and Return Maximization**
İNAN T., Zouaoui S.
7th International Conference on Recent Trends in Multi-Disciplinary Research, İstanbul, Turkey, 17 December 2024, (Full Text)
- II. **Blockchain Integration In Health Care Information System: A Secure And & Efficient Approach**
İnan T., Muktar T.
3rd INTERNATIONAL INFORMATICS AND COMPUTER SCIENCE CONFERENCE (ICI-CS2024), Ankara, Turkey, 14 March 2024, pp.17-28, (Full Text)
- III. **Lane Segmentation and Turn Prediction Using CNN and SVM Approach**
İNAN T., Hwaidi Al-Fadhli S. K.
Second International Conference on Forthcoming Networks and Sustainability in the AIoT Era, İstanbul, Turkey, 29 January 2024, (Full Text)
- IV. **Performance Analyses of AES and Blowfish Algorithms by Encrypting Files, Videos, and Images**
Mezher K. H., Inan T.
2nd International Conference on Computing, IoT and Data Analytics, ICCIDA 2023, Ciudad Real, Spain, 20 - 21 July 2023, vol.1145 SCI, pp.223-230, (Full Text)
- V. **Design and Analysis of a Data Computing Scenario Forecasting System Based on Generative Adversarial Networks**
İNAN T., Hashim A. R.
The Second International Conference on Advanced Computer Applications, (ACA2023), Imam Al-Kadhum College, Maysan, Iraq, Masan, South Korea, 27 February - 01 March 2023, pp.46-49, (Full Text)
- VI. **PREDICTION OF TUMOR IN MAMMOGRAM IMAGES USING DATA MINING MODELS**
Sarray N., İnan T.
4 th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022 - 12 June 2023, (Full Text)
- VII. **Variable Length Optimization Based on Integrated Particle Swarm Optimization for Data Gathering in Wireless Sensor Networks**
Al-Jumaah K., İNAN T.
4 th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022 - 11 June 2023, (Full Text)
- VIII. **Car Control by using brain waves and Arduino based Mind wave Mobile**
İNAN T., Alsammarraie K.
4 th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara, Turkey, 09 June 2022 - 11 June 2023, (Full Text)

- IX. **Age And Gender Detection By Face Segmentation And Modified CNN Algorithm**
İNAN T., Alrashed A. R. S.
2023 5th International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA),
İstanbul, Turkey, 8 - 10 June 2023, (Full Text)
- X. **Motor Imagery EEG Classification Using Algorithms and Machine Learning for ALS Disease**
Hameed M., İNAN T.
4 th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Ankara,
Turkey, 9 - 11 June 2022, (Full Text)
- XI. **Rüzgar Hızının Yapay Sinir Ağları ve ANFIS Yöntemleriyle Tahmin Edilmesi**
İNAN T., BABA A. F.
ASYU2020, İstanbul, Turkey, 15 - 17 October 2020, (Full Text)
- XII. **Prediction of Wind Speed Using Artificial Neural Networks and ANFIS Methods (Observation Buoy Example) Rüzgar Hızının Yapay Sinir Ağları ve ANFIS Metotları Kullanılarak Tahmin Edilmesi (Ölçüm Şamandırasi Örneği)**
Inan T., BABA A. F.
2020 Innovations in Intelligent Systems and Applications Conference, ASYU 2020, İstanbul, Turkey, 15 - 17 October 2020, (Full Text)
- XIII. **Sınıf Ortam Parametrelerinin Öğrenci Motivasyonuna Etkisinin Ölçülmesi Amaçlı Bir Nesnelerin İnterneti Uygulaması**
İNAN T., Bilen E., Tezcan M. M., Yücel A.
Multicongress Gaziantep, Gaziantep, Turkey, 26 - 27 April 2019, (Summary Text)
- XIV. **A PSO Approach to Navigational Shortest Path Problem on an Experience Based Network Model of the Aegean Sea**
İNAN T., BABA A. F.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018, (Summary Text)
- XV. **Ege Denizi Limanlarının Aralarındaki En Kısa Mesafelerin Detaylı Bir Düğüm Haritası İle Gerçek Koordinatlar Kullanılarak En Kısa Yol Algoritmaları İle Değerlendirilmesi Ve Sonuçların Karşılaştırılması**
İNAN T., BABA A. F.
1. ULUSLARARASI AKILLI ULAŞIM SİSTEMLERİ KONFERANSI, Balıkesir, Turkey, 19 - 21 April 2018, (Summary Text)
- XVI. **En Kısa Yol Problemi Üzerinde Karınca Kolonisi Algoritmasının Performansının İncelenmesi (Ege Denizi Örneği)**
İNAN T., BABA A. F.
Elektrik-Elektronik, Bilgisayar, Biyomedikal Mühendislikleri Bilimsel Toplantısı, İstanbul, Turkey, 18 - 19 April 2018, (Full Text)
- XVII. **Moving Target Trajectory Tracking Using Kalman Curve Fitting and Anfis Methods**
İNAN T.
Insode- 5th World Conference on Innovation and Computer Sciences, 14 - 16 May 2015, (Full Text)

Student Project

Other, Mesajlaşma, Kulüpler Ve Etkinlikler İçin Bir Üniversite Uygulaması (Campusconnect), Altınbas University, Mühendislik mimarlık fakültesi , Yazılım mühendisliği , Turkey, 2023 - Continues

Other, Bağışların Birliği Yaşamın Dirliği, Altınbas University, Mühendislik mimarlık fakültesi , Yazılım mühendisliği , Turkey, 2023 - 2024

Metrics

Publication: 35

Citation (WoS): 9

Citation (Scopus): 16

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