



Asst. Prof. ÖZGÜN PINARER

Personal Information

Office Phone: [+90 212 227 4480](tel:+902122274480) Extension: 1464

Fax Phone: [+90 212 227 4480](tel:+902122274480)

Email: opinarer@gsu.edu.tr

Web: <https://avesis.gsu.edu.tr/opinarer>

International Researcher IDs

ScholarID: s0jOxwMAAAAJ

ORCID: 0000-0002-0280-3689

Publons / Web Of Science ResearcherID: V-6254-2018

ScopusID: 55308248900

Yoksis Researcher ID: 207306

Education Information

| | |
|-------------|---|
| 2015 - 2017 | Doctorate, Institut National des Sciences Appliquées (I.N.S.A.) de Lyon, Informatique, France |
| 2010 - 2012 | Postgraduate, Galatasaray University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Y) (Tezli), Turkey |
| 2006 - 2010 | Undergraduate, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey |

Foreign Languages

Italian, A1 Beginner French, B2 Upper Intermediate English, B2 Upper Intermediate

Dissertations

| | |
|------|---|
| 2017 | Sustainable Declarative Monitoring Architecture: Energy optimisation of interactions between application service oriented queries and wireless sensor devices: Smart Building Applications, Institut National Des Sciences Appliquées (I.N.S.A.) De Lyon, Informatique, Doctorate |
| 2012 | Application specific energy performance enhancement in wireless body area networks, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Y) (Tezli), Postgraduate |

Research Areas

Computer Sciences, Computer Networks, Communications and Network Protocols, bioinformatics

Academic Titles / Tasks

| | |
|------------------|--|
| 2020 - Continues | Assistant Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi |
|------------------|--|

2010 - 2020

Research Assistant, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi

Academic and Administrative Experience

2020 - Continues

Director of the Center, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi

2022 - 2023

Assistant Director of the Institute, Galatasaray University, Fen Bilimleri Enstitüsü

Courses

2022 - 2023

Automates et théorié des langages, Undergraduate

2023 - 2024

Internet of Things, Postgraduate

2022 - 2023

Entrepreneuriat, Undergraduate

2023 - 2024

Mathématiques discrètes, Undergraduate

2023 - 2024

Introduction to Internet of Things, Undergraduate

2021 - 2022

Internet of Things, Postgraduate

2021 - 2022

IoT, Postgraduate

2021 - 2022

IoT and Industry 4.0, Postgraduate

2020 - 2021

Discrete mathematiques, Undergraduate

2019 - 2020

Introduction to Web Programming, Undergraduate

2019 - 2020

Algorithms and Data Structures, Undergraduate

2018 - 2019

Algorithmique et structures de données, Undergraduate

2018 - 2019

Introduction à la Programmation Web, Undergraduate

Advising Theses

2022

Pinarer Ö., Postgraduate, M.SİROPYAN(Student), Smart Farming Applications

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Application-Aware Dynamic Energy Management for Portable Devices**
PINARER Ö., Ozgovde A.
COMPUTER, vol.52, no.11, pp.62-72, 2019 (SCI-Expanded)
- II. **Dynamic energy-aware sensor configuration in multi-application monitoring systems**
Pinarer O., Gripay Y., Servigne S., Ozgovde A., Baskurt A.
PERVASIVE AND MOBILE COMPUTING, vol.41, pp.192-204, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Framework for Heterogeneous Sensor Data Stream Management with BIM and WSN**
PINARER Ö.
Gazi University Journal of Science, vol.36, no.3, pp.1082-1094, 2023 (ESCI)
- II. **Analyzing the Relationship Between Air Pollution, Tobacco Use with Lung Diseases via Data Engineering Approach**
PINARER Ö.
TURKISH THORACIC JOURNAL, vol.22, no.4, pp.289-296, 2021 (ESCI)

- III. **Real-Time Smart Building Management System Prototype with Wireless Sensor Network Integration with Building Information Modeling**
Pınarer Ö.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.207-216, 2021 (Peer-Reviewed Journal)
- IV. **COVID-19 Pandemic and the Global Perspective of Turkish Thoracic Society**
KÖKTÜRK N., İtil B. O., Altinisik G., Adiguzel N., AKGÜN M., Akyildiz L., Altin S., Arıkan H., Ates G., Ay P., et al.
TURKISH THORACIC JOURNAL, vol.21, no.6, pp.419-432, 2020 (ESCI)
- V. **Improving the Energy Efficiency of Wearable Computing Units Using on Sensor Fifo Memory**
PINARER Ö., ÖZGÖVDE B. A.
International Journal of e-Education, e-Business, e-Management and e-Learning, vol.5, no.2, pp.105-113, 2015 (Peer-Reviewed Journal)
- VI. **Wireless health monitoring for multiple patients on android phone with embedded computation**
PINARER Ö., Parmaksız A., Ibrahim A., ARSLAN R. B., ÖZGÖVDE B. A.
Biomedical Engineering, vol.9, no.1, pp.569, 2012 (Scopus)

Books & Book Chapters

- I. **Vertical Farming: Under Climate Change Effect**
NASKALÍ A. T., PINARER Ö., TOLGA A. Ç.
in: Environment and Climate-smart Food Production, Charis M. Galanakis, Editor, Springer, pp.259-284, 2022
- II. **Blokzincir Teknolojisi: Araştırma Alanlarının İncelenmesi**
PINARER Ö.
in: Mühendislikte Güncel Konular, Hameş Yakup, Editor, NOBEL Akademik Yayıncılık, pp.31-50, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Artificial Intelligence driven Vertical Farming Management System**
Siroopyan M., Celikel O., Pınarer Ö.
29th World Congress on Engineering (WCE 2022) , 6 - 08 July 2022, pp.108-113
- II. **3D Mesh Model Generation from CT and MRI data**
Koc C., PINARER Ö., TURHAN S. N.
2021 IEEE International Conference on Big Data, Atalanta, United States Of America, 15 - 18 December 2021, vol.1, pp.4725-4730
- III. **Pandemic Effect: Degradation of Speech Reception Due to Medical Masks**
Pınarer Ö., Turhan S. N.
2020 IEEE International Conference on Big Data (Big Data), Georgia, United States Of America, 10 - 13 December 2020, pp.1-7
- IV. **Respiratory Rate Prediction Algorithm based on Pulse Oximeter**
Cetinkaya N., Turhan S. N., PINARER Ö.
2021 IEEE International Conference on Big Data, Big Data 2021, Virtual, Online, United States Of America, 15 - 18 December 2021, pp.4652-4658
- V. **Regional Analysis of Death Rate due to Air Pollution in Turkey and its Neighbors**
Karazag Y. E., Turhan S. N., PINARER Ö., NASKALÍ A. T.
2019 IEEE International Conference on Big Data, Big Data 2019, California, United States Of America, 9 - 12 December 2019, pp.2746-2755
- VI. **Data Similarity Analysis on Air Pollution Data Hava Kirliliği Verisi Üzerinde Veri Benzerliği İncelemesi**
Karazag Y. E., Akturk I., Turhan S. N., PINARER Ö.
2019 Innovations in Intelligent Systems and Applications Conference, ASYU 2019, İzmir, Turkey, 31 October - 02

November 2019

- VII. **Query Performance Evaluation over Health Data**
Turhan S. N., Pinarer Ö.
11th International Conference e-Health 2019, Porto, Portugal, 17 - 19 July 2019, pp.1
- VIII. **Web Service Solution for Adverse Drug Events and Medication Errors**
Pinarer Ö., Turhan S. N.
2018 IEEE International Conference on Big Data, Big Data 2018, Washington, United States Of America, 10 - 13 December 2018, pp.2449-2452
- IX. **Designing a novel smart home monitoring system with the integration of BIM and WSN**
Corekci M., PINARER Ö., Servigne S.
12th International Conference on ICT, Society and Human Beings, ICT 2019, 5th International Conference on Connected Smart Cities, CSC 2019 and the 16th International Conference on Web Based Communities and Social Media, WBC 2019, Porto, Portugal, 17 - 19 July 2019, pp.184-190
- X. **Query performance evaluation over health data**
Turhan S., PINARER Ö.
11th International Conference on e-Health 2019, EH 2019, Porto, Portugal, 17 - 19 July 2019, pp.101-108
- XI. **Merkezi Sterilizasyon Üniteleri³letimi için Akll SistemModellemesi**
TURHAN S. N., PINARER Ö., FINDIK A.
Akıllı Sistemlerde Yenilik ve Uygulamaları Konferansı ASYU 2017, Turkey, 5 - 07 October 2017
- XII. **Laser Barcode-based Surgical Instrument Tracking System**
Findik A., PINARER Ö., Turhan S.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XIII. **HETEROGENEOUS SENSOR DATA EXPLORATION AND SUSTAINABLE DECLARATIVE MONITORING ARCHITECTURE: APPLICATION TO SMART BUILDING**
Servigne S., Gripay Y., Pinarer O., Samuel J., Ozgovde A., Jay J.
1st International Conference on Smart Data and Smart Cities, Split, Croatia, 7 - 09 September 2016, pp.97-104
- XIV. **Energy Enhancement of Multi-application Monitoring Systems for Smart Buildings**
Pinarer O., Gripay Y., Servigne S., Ozgovde A.
28th International Conference on Advanced Information Systems Engineering (CAiSE), Ljubljana, Slovenia, 13 - 17 June 2016, vol.249, pp.131-142
- XV. **Real-Time Multi-Application based Sensor Flux Management**
Pinarer O., Gripay Y., Servigne S., Ozgovde A.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.765-768
- XVI. **APPLICATION SPECIFIC DYNAMIC SLEEP SCHEDULING**
PINARER Ö., Ozgovde A.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1765-1768
- XVII. **CHARACTERIZATION OF MOBILE APPLICATIONS ACCORDING TO THEIR ENERGY CONSUMPTIONS**
PINARER Ö., Ozgovde A.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1995-1998
- XVIII. **Energy aware activity level monitoring with accelerometers**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
16th National Biomedical Engineering Meeting (BIYOMUT2012), Turkey, 3 - 05 October 2012
- XIX. **Wireless health monitoring of multiple patients on android phone with embedded computation**
PINARER Ö., Parmaksiz A., Avci I., Arslan B., Ozgovde A.
9th IASTED International Conference on Biomedical Engineering, BioMed 2012, Innsbruck, Austria, 15 - 17 February 2012, pp.569-573
- XX. **Wireless monitoring of health data via an open platform**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.

