

## Assoc. Prof. Mehmet Amaç GÜVENSAN

### Personal Information

**Office Phone:** [+90 212 383 5765](tel:+902123835765)

**Email:** [amac@yildiz.edu.tr](mailto:amac@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/amac>

**Address:** Yıldız Teknik Üniversite Bilgisayar Mühendisliği Bölümü, Çifte Havuzlar Mah. Eski Londra Asfaltı Cad. No: 177 34220 Esenler/İstanbul

### International Researcher IDs

ScholarID: YPbv4gAAAAJ

ORCID: 0000-0002-2728-8900

Publons / Web Of Science ResearcherID: AAD-6022-2020

ScopusID: 35102115600

Yoksis Researcher ID: 52176

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği, Turkey 2006 - 2011

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey 2003 - 2006

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey 1997 - 2002

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

IT, Microsoft Yaz Okulu, Microsoft, 2002

### Dissertations

Doctorate, A Systematic Solution To The Coverage Problem in Directional Sensor Networks, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği, 2011

Postgraduate, Design and Implementation of a Cryptographic System Embedded in Linux Kernel, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Bilgisayar Mühendisliği, 2006

### Research Areas

Information Systems, Communication and Control Engineering, Signal Processing, Pattern Recognition and Analysis, Computer Sciences, algorithms, Database and Data Structures, Data Structures, Artificial Intelligence, Computer Learning and Pattern Recognition, Knowledge Engineering, Computer Learning, Software, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2021 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2018 - 2021

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2013 - 2018

Research Assistant PhD, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2011 - 2013

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2003 - 2011

## Academic and Administrative Experience

Head of Informatics Commission, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2021 - Continues

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2006 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2018 - 2021

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2016 - 2021

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2016 - 2017

Araştırma Görevlisi Üniversite Temsilcisi, Yildiz Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2008 - 2009

Araştırma Görevlisi Fakülte Temsilcisi, Yildiz Technical University, Faculty of Electrical & Electronics, Computer Engineering, 2007 - 2009

## Courses

Bilgisayar Bilimlerine Giriş, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Data Structures and Algorithms, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Algoritma Analizi, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Pervasive and Mobile Computing, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İleri Programlama Teknikleri, Postgraduate, 2024 - 2025, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Introduction to Mobile Programming, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Mobil Teknolojiler ve Uygulamaları, Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015

## Advising Theses

Güvensan M. A., Deep learning-based and cost-aware fraud detection system using multi-modal profiling approach to detect fraud attempts in airline ticket sales, Doctorate, M.TAHA(Student), 2024

Güvensan M. A., Traffic flow speed estimation based on multi-feature spaces, Postgraduate, E.BİLGİN(Student), 2023

Güvensan M. A., Data augmentation and missing data imputation using similar traffic characteristic of road segments for improving long-term speed prediction, Postgraduate, M.MERT(Student), 2023

Güvensan M. A., Graf tabanlı yaklaşım ile uzun vadeli trafik akış hızı tahmini, Postgraduate, C.KESKİN(Student), 2022  
Güvensan M. A., Bölgesel Trafik Yoğunluk Tahmini İçin Derin Öğrenme Teknikleri İle Model Oluşturulması, Postgraduate, F.YASLI(Student), 2020  
Güvensan M. A., Derin Öğrenme ile Günlük Aktivite ve Seyahat Türlerini Birlikte Tanıma, Postgraduate, J.ISKANDEROV(Student), 2019  
Güvensan M. A., Design and implementation of ride comfort evaluation system with using crowdsensing technique, Postgraduate, Y.FIRAT(Student), 2019

## Jury Memberships

Competition, TEKNOFEST, T.C. Sanayi ve Teknoloji Bakanlığı, September, 2021  
Competition, TEKNOFEST, T.C. Sanayi ve Teknoloji Bakanlığı, September, 2020  
Competition, TEKNOFEST, T.C. Sanayi ve Teknoloji Bakanlığı, September, 2019

## Designed Lessons

Güvensan M. A., Pervasive and Mobile Computing, Postgraduate, 2016 - 2017  
Güvensan M. A., Mobil Programlamaya Giriş, Undergraduate, 2015 - 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Multi-Modal Profiling Fraud-Detection System for Capturing Suspicious Airline Ticket Activities**  
Aras M. T., Güvensan M. A.  
APPLIED SCIENCES, vol.13, no.24, pp.13121-13156, 2023 (SCI-Expanded)
- II. **Traffic Characteristics of Short and Long Public Holidays: A Hybrid Holiday-Oriented Speed Prediction Approach via Feature Engineering**  
Atılğan I., Turkmen H. İ., GÜVENSAN M. A.  
IEEE Sensors Journal, vol.23, no.20, pp.25016-25025, 2023 (SCI-Expanded)
- III. **Long-term traffic flow estimation: a hybrid approach using location-based traffic characteristic**  
Ayar T., Adınar F., GÜVENSAN M. A., TÜRKMEN ÇİLİNGİR H. İ.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.3, pp.562-578, 2022 (SCI-Expanded)
- IV. **Temporal Transaction Scraping Assisted Point of Compromise Detection With Autoencoder Based Feature Engineering**  
Ögme F., Gokhan Yavuz A., Amac Guvensan M. A., Karşlğıl Yavuz M. E.  
IEEE ACCESS, vol.9, pp.109536-109547, 2021 (SCI-Expanded)
- V. **Breaking the Limits of Transportation Mode Detection: Applying Deep Learning Approach With Knowledge-Based Features**  
Iskanderov J., GÜVENSAN M. A.  
IEEE SENSORS JOURNAL, vol.20, no.21, pp.12871-12884, 2020 (SCI-Expanded)
- VI. **A Closer Look Into the Characteristics of Fraudulent Card Transactions**  
Can B., YAVUZ A. G., Karşlğıl E. M., GÜVENSAN M. A.  
IEEE ACCESS, vol.8, pp.166095-166109, 2020 (SCI-Expanded)
- VII. **Towards Next-Generation Vehicles Featuring the Vehicle Intelligence**  
Payalan Y. F., GÜVENSAN M. A.  
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.21, no.1, pp.30-47, 2020 (SCI-Expanded)
- VIII. **Türkçe Kısa Mesajları Sınıflandıran Çok Katmanlı Süzgeçleme Mimarisi ve Akıllı SMS Kutusu**  
BESTİL H. İ., GÜVENSAN M. A.

- Marmara Fen Bilimleri Dergisi, vol.2019, no.1, pp.17-28, 2019 (SCI-Expanded)
- IX. **Ulaşım Türü Tanımadada Enerji Kısıtlı Cihazlar için Ayırt Edici Özellikler**  
Yasli F., GÜVENSAN M. A.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.1, pp.90-102, 2019 (SCI-Expanded)
- X. **A Novel Segment-Based Approach for Improving Classification Performance of Transport Mode Detection**  
GÜVENSAN M. A., DUSUN B., CAN B., TURKMEN H. İ.  
SENSORS, vol.18, no.1, 2018 (SCI-Expanded)
- XI. **An Energy-Efficient Multi-Tier Architecture for Fall Detection on Smartphones**  
GÜVENSAN M. A., KANSIZ A. O., Camgoz N. C., TURKMEN H. İ., YAVUZ A. G., KARSLIGIL M. E.  
SENSORS, vol.17, no.7, 2017 (SCI-Expanded)
- XII. **Driver Behavior Analysis for Safe Driving: A Survey**  
KAPLAN S., GÜVENSAN M. A., YAVUZ A. G., KARALURT Y.  
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, vol.16, no.6, 2015 (SCI-Expanded)
- XIII. **In situ image processing capabilities of ARM-based micro-controllers**  
TAYŞI Z. C., YAVUZ A. G., GÜVENSAN M. A., KARSLIGIL M. E.  
JOURNAL OF REAL-TIME IMAGE PROCESSING, vol.9, no.1, pp.111-125, 2014 (SCI-Expanded)
- XIV. **Energy monitoring in residential spaces with audio sensor nodes: TinyEARS**  
GUVENSAN M. A., Taysi Z. C., MELODIA T.  
AD HOC NETWORKS, vol.11, no.5, pp.1539-1555, 2013 (SCI-Expanded)
- XV. **Hybrid movement strategy in self-orienting directional sensor networks**  
GÜVENSAN M. A., YAVUZ A. G.  
AD HOC NETWORKS, vol.11, no.3, pp.1075-1090, 2013 (SCI-Expanded)
- XVI. **On coverage issues in directional sensor networks: A survey**  
AMAC GUVENSAN M., Yavuz A. G.  
Ad Hoc Networks, vol.9, no.7, pp.1238-1255, 2011 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Battery-friendly tiny models for activity recognition on energyconstrained devices**  
Akkiraz C., TÜRKMEN ÇİLİNGİR H. İ., GÜVENSAN M. A., CAN B.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.4, pp.716-728, 2023 (ESCI)
- II. **Activity recognition using smartphones and wearable devices: Traditional approaches, new solutions**  
Iskanderov J., Güvensan M. A.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, no.2, pp.223-239, 2019 (ESCI)

### Books & Book Chapters

- I. **Multiple base station positioning for sensor applications**  
Güvensan M. A., Tayşi Z. C., Yavuz A. G.  
in: Proceedings of European Computing Conference Volume 1, Mastorakis N., Mladenov V., Kontargyri V., Editor, Springer-Verlag, Berlin, pp.619-629, 2009
- II. **A New Coverage Improvement Algorithm Based on Motility Capability of Directional Sensor Nodes**  
GÜVENSAN M. A., YAVUZ A. G.  
in: Ad Hoc Mobile and Wireless Networks, , Editor, Springer, pp.206-219, 1900

### Refereed Congress / Symposium Publications in Proceedings

- I. **Towards Next-Generation Smart Sandboxes: Comprehensive Approach to Mobile Application Security**  
Gucuyener E., GÜVENSAN M. A.  
12th International Symposium on Digital Forensics and Security, ISDFS 2024, Texas, United States Of America, 29 - 30 April 2024
- II. **A Weather Oriented Pre-Tuning Methodology For Long-term Traffic Speed Estimation**  
Güvensan M. A., Türkmen Çilingir H. İ., Bilgin E.  
4th IEEE International Workshop on Smart Computing for Smart Cities in conjunction with IEEE WoWMoM 2023, Massachusetts, United States Of America, 12 - 15 June 2023, pp.1-4
- III. **Towards Accurate Traffic Accident Detection: Developing Deep Learning Strategies with Distant Past, Recent Past, and Adjacency Features**  
Atilgan I., TÜRKMEN ÇİLİNGİR H. İ., GÜVENSAN M. A.  
26th IEEE International Conference on Intelligent Transportation Systems, ITSC 2023, Bilbao, Spain, 24 - 28 September 2023, pp.6120-6125
- IV. **Missing Traffic Speed Data Imputation Using Road Segment Characteristics for Long-Term Traffic Speed Prediction**  
KARA M. M., Turkmen H. I., GÜVENSAN M. A.  
24th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, WoWMoM 2023, Massachusetts, United States Of America, 12 - 15 June 2023, pp.457-463
- V. **Traffic Hyperparameters for Long-Term Traffic Forecasting**  
Keskin C., Güvensan M. A.  
2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Kocaeli, Turkey, 25 - 27 August 2021, pp.1-4
- VI. **N-gram based transport mode detection models for energy constrained devices**  
Can Cetin K., Irem Turkmen H., Amac Guvensan M. A.  
2021 International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2021, Kocaeli, Turkey, 25 - 27 August 2021
- VII. **Challenges and key points for fraud detection in aviation**  
Aras M. T., Amac Guvensan M. A.  
2021 International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2021, Kocaeli, Turkey, 25 - 27 August 2021
- VIII. **Diet Application That Can Recognize Turkish Foods With Deep Learning**  
Şahin İ., Taşel B., Güvensan M. A.  
2021 29th Signal Processing and Communications Applications Conference (SIU), 9 - 11 June 2021, pp.1-4
- IX. **The effect of feature selection on credit card fraud detection success Özellik seçiminin kredi karti sahtekarlığı tespiti başarısına etkisi**  
Bayhan E., YAVUZ A., GÜVENSAN M. A., KARSLIGİL YAVUZ M. E.  
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021
- X. **Karakteristik Sürüş Bilgileriyle Yorgunluk Tespiti ve Sürüş Güvenliği**  
Payalan Y. F., GÜVENSAN M. A.  
13. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu, Kırşehir, Turkey, 2 - 04 May 2019
- XI. **Point of Compromise Detection with Unsupervised Learning Denetimsiz Öğrenme ile Kredi Karti Kopyalama Noktalarının Tespit Edilmesi**  
Ögme F., Karşlğıl Yavuz M. E., Yavuz A., Güvensan M. A.  
28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020
- XII. **Long-term Traffic Speed Estimation via Regression using Weekly Day Patterns**  
YASLI F., TÜRKMEN ÇİLİNGİR H. İ., GÜVENSAN M. A.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, Turkey, 31 October - 02 November 2019

- XIII. **A Novel Input Set for LSTM-based Transport Mode Detection**  
Asci G., GÜVENSAN M. A.  
IEEE International Conference on Pervasive Computing and Communications (PerCom), Kyoto, Japan, 11 - 15 March 2019, pp.107-112
- XIV. **A new cloud service for interpreting taxi trajectories via crowdsensing approach**  
Şeker A., Güvensan M. A.  
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XV. **Network Intrusion Detection Using Machine Learning Anomaly Detection Algorithms**  
Hanifi K., Bank H., Karşılıgil M. E., Yavuz A. G., Güvensan M. A.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XVI. **Application Identification via Network Traffic Classification**  
YAMANSAVASCILAR B., GÜVENSAN M. A., YAVUZ A. G., Karşılıgil M. E.  
International Conference on Computing, Networking and Communications (ICNC), California, United States Of America, 26 - 29 January 2017, pp.843-848
- XVII. **Activity Recognition on Smartphones: Efficient Sampling Rates and Window Sizes**  
YAMANSAVASCILAR B., GÜVENSAN M. A.  
IEEE International Conference on Pervasive Computing and Communication Workshops (PerCom Workshops), Sydney, Australia, 14 - 19 March 2016
- XVIII. **3-TIER HYBRID APPROACH FOR SMS FILTERING**  
KILIC E., ARSLAN S. N., GÜVENSAN M. A.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1950-1953
- XIX. **Discriminative Time-Domain Features for Activity Recognition on a Mobile Phone**  
BUBER E., Guvensan A. M.  
9th IEEE International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), Singapore, Singapore, 21 - 24 April 2014
- XX. **Selection of Time Domain Features for Fall Detection Based on Supervised Learning**  
KANSIZ A. O., GÜVENSAN M. A., TÜRKMEN ÇİLİNGİR H. İ.  
Proceedings of the World Congress on Engineering and Computer Science, San Francisco, CA, USA. 2013, San Francisco, United States Of America, 23 - 25 October 2013, vol.2, pp.23-25
- XXI. **Mobil telefon ile kaza tespiti accident recognition using mobile phone Mobil telefon ile kaza tespiti accident recognition using mobile phone**  
Oguz Kansiz A., Amaç Güvensan M. A.  
2013 21st Signal Processing and Communications Applications Conference, SIU 2013, Haspolat, Turkey, 24 - 26 April 2013
- XXII. **Accident recognition using mobile phone**  
GÜVENSAN M. A., KANSIZ A. O.  
21st Signal Processing and Communications Applications Conference (SIU), Girne, Turkey, 24 April 2013, pp.1-4
- XXIII. **simDSN: A Simulation Platform for the Sensing Coverage Problem in Directional Sensor Networks**  
Ozturk R., GÜVENSAN M. A., YAVUZ A. G.  
17th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications (DS-RT), Delft, Netherlands, 30 October - 01 November 2013, pp.41-46
- XXIV. **A Fast and Accurate Motion Detection Algorithm for Embedded Systems**  
Camgoz N. C., Tayşi Z. C., Güvensan M. A., Karşılıgil M. E., Yavuz A. G.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXV. **Image processing capabilities of new generation arm cores for WMSNs Yeni nesil arm çekirdeklerin çokluortam algılayıcı ağlar için görüntü işleme yetenekleri**  
Cihan Camgöz N., Öztürk R., Amaç Güvensan M. A., Cihan Tayşi Z., Gökhan Yavuz A.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- XXVI. **Motility-based coverage enhancement in directional sensor networks Yönlü algılayıcı ağlarda dönme**

### **yeteneđi ile kapsama alanı iyileřtirme**

GÜVENSAN M. A., YAVUZ A. G.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012

XXVII. **Image Processing Capabilities of ARM-based Micro-controllers for Visual Sensor Networks**

TAYŐI Z. C., YAVUZ A. G., Çelik E., GÜVENSAN M. A., KARSLIGİL YAVUZ M. E.

Embedded and Ubiquitous Computing (EUC), 2011 IFIP 9th International Conference on, Melbourne, Australia, 24 November 2011, pp.243-248

XXVIII. **A Hybrid Solution For Coverage Enhancement in Directional Sensor Networks**

GÜVENSAN M. A., YAVUZ A. G.

7th Intl. Conf. on Wireless and Mobile Communications (ICWMC 2011), Luxembourg, Luxembourg, 19 June 2011, pp.134-138

XXIX. **A New Coverage Improvement Algorithm Based on Motility Capability of Directional Sensor Nodes**

GÜVENSAN M. A., YAVUZ A. G.

10th International Conference on Ad-Hoc Networks and Wireless (ADHOC-NOW), Paderborn, Germany, 18 - 20 July 2011, vol.6811, pp.206-219

XXX. **Environmental sound classification for recognition of house appliances Ev aletlerinin taninmasi için çevresel seslerin siniflandırılması**

GÜVENSAN M. A., TAYŐI Z. C.

18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.431-434

XXXI. **TinyEARS: Spying on house appliances with audio sensor nodes**

Cihan Taysi Z., Amac Guvensan M. A., Melodia T.

2nd ACM Workshop on Embedded Sensing Systems for Energy-Efficiency in Buildings, BuildSys'10, Zürich, Switzerland, 02 November 2010, pp.31-36

XXXII. **Multiple Base Station Positioning for Sensor Applications**

GÜVENSAN M. A., TAYŐI Z. C., YAVUZ A. G.

European Computing Conference, Atina, Greece, 25 - 27 September 2007, pp.619-629

XXXIII. **Multiple Base Station Placement with k-means Local**

TAYŐI Z. C., GÜVENSAN M. A., YAVUZ A. G.

IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.178-181

XXXIV. **Detection and tracking of face and facial features for Recognition of Turkish Sign Language**

GÜVENSAN M. A., HABERDAR H.

2007 IEEE 15th Signal Processing and Communications Applications, Eskiřehir, Turkey, 11 June 2007, pp.1-4

XXXV. **A Database of Non Manual Signs in Turkish Sign Language**

ARAN O., ARI İ., GÜVENSAN M. A., Haberdar H., KURT YAVUZ Z., TÜRKMEN ÇİLİNGİR H. İ., UYAR A., AKARUN ERSOY L.

Signal Processing and Communications Applications, 2007. SIU 2007. IEEE 15th, Turkey, 11 - 13 June 2007

XXXVI. **Protocol-Independent Lightweight Secure Communication**

GÜVENSAN M. A., YAVUZ A. G.

ICETE Intl. Conf. on Security and Cryptography (SECRYPT'06), Setubal, Portugal, 07 August 2006, pp.211-217

### **Patent**

Güvensan M. A., Kara M. M., Türkmen Çilingir H. I., Bilgin E., Usta M., Atılgan I., Çoklu Esnek Model Ađı ile Uzun Vadeli Trafik Akıř Hızı Tahmin Sistemi ve Yöntemi, Patent, CHAPTER B Implementation of Operations; Transport, Standard Registration, 2024

Güvensan M. A., Bilgin E., MOBİL ORTAMLAR İÇİN GELİŐMİŐ GRUPLAMA VE BULUT TABANLI ARAMA ÖZELLİĐİNE SAHİP GALERİ UYGULAMASI, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2018 05712 B ,

Standard Registration, 2021

## Scientific Refereeing

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI Journal, March 2020  
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, Journal Indexed in SCI-E, June 2019  
IEEE Transactions on Intelligent Transportation Systems, SCI Journal, April 2019  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , SCI Journal, December 2013  
IEEE Transactions on Multimedia, SCI Journal, October 2013  
IEEE Sensors, SCI Journal, May 2013  
2013 IEEE Wireless Communications and Networking Conference (WCNC\'13), SCI Journal, November 2012  
IEEE Design & Test of Computers, SCI Journal, March 2012  
Springer Wireless Networks, SCI Journal, March 2012  
8th Intl. Conf. on Wireless and Mobile Communications, SCI Journal, March 2012  
Elsevier Computer Networks, SCI Journal, April 2011  
IEEE/IFIP Intl. Conf. on Embedded and Ubiquitous Computing (EUC 2011), SCI Journal, April 2011  
Intl. Workshop on Mobility in Wireless Sensor Networks (MobiSensor\'11), SCI Journal, March 2011  
Elsevier Ad Hoc Networks, SCI Journal, April 2010  
Intl. Journal on Simulation Transactions of the Society for Modeling and Simulation, SCI Journal, January 2010  
IEEE Globecom 2009, SCI Journal, May 2009

## Scientific Consultations

Bankalararası Kart Merkezi, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey, 2018 - 2020  
Bankalararası Kart Merkezi, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey, 2017 - 2018  
Crypttech, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey, 2015 - 2016  
Asseco, Scientific Consultancy, Yildiz Technical University, Faculty Of Electrical & Electronics, Computer Engineering, Turkey, 2014 - 2015

## Scientific Research / Working Group Memberships

Akıllı Sistemler Laboratuvarı, Yildiz Technical University, Türkiye, <http://isl.ce.yildiz.edu.tr>, 2011 - Continues

## Mobility Activity

Erasmus Programme, Lecturing, Universidad de Granada, Spain, 2014 - 2014  
Research Scholarship Program, Scientific Research, State University of New York at Buffalo, United States Of America, 2009 - 2010

## Metrics

Publication: 56  
Citation (WoS): 484  
Citation (Scopus): 754



H-Index (WoS): 8

H-Index (Scopus): 11

## **Scholarships**

YÖK Doktora Araştırma Bursu, YOK, 2009 - 2010

## **Awards**

Güvensan M. A., TÜBİTAK Lisans Yazılım Projelerli Yarışması - Türkiye 3.lüğü, Tübitak, November 2017

Güvensan M. A., TÜBİTAK Lisans Yazılım Projeleri Yarışması - Türkiye 1.ligi, Tübitak, November 2017

GÜVENSAN M. A., Certificate of Merit, World Congress on Engineering and Computer Science 2013, October 2013

## **Non Academic Experience**

State University of New York Buffalo

Yıldız Teknik Üniversitesi

Koç Sistem

ETC Base Yazılım

Microsoft

Netaş