

## Prof. MEHMET HİLAL ÖZCANHAN

### Personal Information

**Office Phone:** [+90 232 301 7436](tel:+902323017436)

**Email:** mehmet.ozcanhan@deu.edu.tr

**Other Email:** hozcanhan@cs.deu.edu.tr

**Web:** <https://avesis.deu.edu.tr/mehmet.ozcanhan>

**Address:** Bilgisayar Mühendisliği Bölümü , Tınaztepe Yerleşkesi, Buca, Kaynaklar, İZMİR, Türkiye. 35390

### International Researcher IDs

ScholarID: zPAeK5IAAAAJ

ORCID: 0000-0002-5619-6722

Publons / Web Of Science ResearcherID: S-5013-2016

ScopusID: 35113661700

Yoksis Researcher ID: 174702

### Education Information

Doctorate, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2007 - 2011

Postgraduate, Drexel University, Elektrik Mühendisliği, United States Of America 1985 - 1987

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 1983 - 1985

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Security and reliability in embedded systems, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011

Postgraduate, ISPS Bilgisayar Simülasyon Dili için Meta Asembler, Drexel University, Elektrik Mühendisliği, 1987

### Research Areas

Information System Reliability, Hardware Security, Communications and Network Protocols, Virtual Reality, Biocomputing, Network Architecture, Processor Architectures, Logic Design, Microprogramming and Control Structure, Integrated Circuits, Application Based Architecture, Neural Networks

### Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - Continues

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - 2021

Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2018

Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - 2015  
Assistant Professor, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2013  
Lecturer, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2006 - 2011  
Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Computer Engineering, 1987 - 1987  
Research Assistant, Drexel University, Mühendislik Fakültesi, Elektrik Mühendisliği, 1985 - 1986

## **Academic and Administrative Experience**

Big Data Coordinatorship Member, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2023  
- Continues  
Assistant Coordinator of The Rectorate, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues  
Bölüm Kalite Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues  
Deputy Director of the Center, Dokuz Eylul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2021 - 2023  
Dokuz Eylul University, 2006 - 2007

## **Courses**

### **Postgraduate**

Foundations of Internet of Everything, Postgraduate, 2021 - 2022  
Ph.D. Thesis, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
Ph.D. Research, Postgraduate, 2019 - 2020, 2018 - 2019  
Advanced Computer Architectures, Postgraduate, 2019 - 2020  
M.Sc. Research, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
M. Sc. Seminar, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
M.Sc. Thesis, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
MOBILE CLOUD COMPUTING, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016  
RESEARCH, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
THESIS, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Seminar, Postgraduate, 2015 - 2016, 2014 - 2015

### **Undergraduate**

PROJECT BASED LEARNING II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Introduction To Circuits and Electronics, Undergraduate, 2019 - 2020  
MOBILE DEVICES AND APPLICATIONS, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
SENIOR PROJECT, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
TECHNICAL ENGLISH, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
Computer Engineering Design, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
PROJECT BASED LEARNING I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
PRINCIPLES OF EMBEDDED SYSTEMS, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2010 - 2011  
SENIOR PROJECT PROPOSAL, Undergraduate, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2011 - 2012, 2010 - 2011  
MICROPROCESSOR BASED SYSTEM DESIGN, Undergraduate, 2015 - 2016, 2014 - 2015, 2011 - 2012, 2010 - 2011

MICROPROCESSORS, Undergraduate, 2011 - 2012, 2010 - 2011

PROJECT BASED LEARNING III, Undergraduate, 2010 - 2011

BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2010 - 2011

## Supervised Theses

ÖZCANHAN M. H., Nesnelerin interneti cihazları arasındaki iletişim güvenliğinin artırılması, Postgraduate, S.YAŞAR(Student), 2021

## Jury Memberships

Committee Of Expert, Committee Of Expert, Dokuz Eylul University, November, 2021

Committee Of Expert, Committee Of Expert, Dokuz Eylul University, March, 2021

Committee Of Expert, Committee Of Expert, Dokuz Eylül Üniversitesi, February, 2018

Committee Of Expert, Committee Of Expert, Dokuz Eylül Üniversitesi, March, 2016

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

- I. **Wireless transmission of vital body data and ambient magnetic field with wearable IoT device attached smart textile**  
Dalkılıç H., Özdemir H., Özcanhan M. H.  
TEXTILE RESEARCH JOURNAL, vol.95, no.1-2, pp.17-26, 2025 (SCI-Expanded)
- II. **Feasibility of exergaming for upper extremity rehabilitation in people with multiple sclerosis: prospective clinical trial.**  
Ozdogar A. T., Emec M., Kaya E., Karakas H., Dastan S., Kahraman T., Aslan T., Baba C., Ozcanhan M. H., Ozakbas S.  
Acta neurologica Belgica, 2024 (SCI-Expanded)
- III. **Ultraviolet aging behavior of polypropylene sacks by outdoor weathering**  
ÖZCANHAN M. H., KUTLU B., ÖZDEMİR H.  
Iranian Polymer Journal (English Edition), 2024 (SCI-Expanded)
- IV. **Prediction of LDL in hypertriglyceridemic subjects using an innovative ensemble machine learning technique**  
Demirci F., Emec M., Gursoy Doruk O., Örmen M., Akan P., Hilal Ozcanhan M. H.  
TURKISH JOURNAL OF BIOCHEMISTRY, vol.0, no.0, pp.1-12, 2023 (SCI-Expanded)
- V. **ENHANCING SECURITY OF RFID-ENABLED IOT SUPPLY CHAIN**  
Türksönmez H., ÖZCANHAN M. H.  
Malaysian Journal of Computer Science, vol.36, no.3, 2023 (SCI-Expanded)
- VI. **Wireless data transfer with the use of internet of things (IoT) technologies in smart textiles**  
Dalkilic H., Özcanhan M. H., Özdemir H.  
JOURNAL OF THE TEXTILE INSTITUTE, vol.113, no.8, pp.1568-1575, 2022 (SCI-Expanded)
- VII. **A Strong Mutual Authentication Protocol for Securing Wearable Smart Textile Applications**  
Dalkilic H., ÖZCANHAN M. H.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.22, no.1, pp.31-38, 2022 (SCI-Expanded)
- VIII. **A Hybrid Deep Learning Approach for Intrusion Detection in IoT Networks**  
EMEÇ M., ÖZCANHAN M. H.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.22, no.1, pp.3-12, 2022 (SCI-Expanded)
- IX. **A Strong Mutual Authentication Protocol for SHIELD**  
ÖZCANHAN M. H., Turksonmez H.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.20, no.4, pp.81-90, 2020 (SCI-Expanded)

- X. **Neural network-supported patient-adaptive fall prevention system**  
ÖZCANHAN M. H., UTKU S., Unluturk M. S.  
NEURAL COMPUTING & APPLICATIONS, vol.32, no.13, pp.9369-9382, 2020 (SCI-Expanded)
- XI. **The Mechanical Effect of Rod Contouring on Rod-Screw System Strength in Spine Fixation**  
Acar N., KARAKAŞLI A., Karaarslan A. A., ÖZCANHAN M. H., Ertem F., ERDURAN M.  
JOURNAL OF KOREAN NEUROSURGICAL SOCIETY, vol.59, no.5, pp.425-429, 2016 (SCI-Expanded)
- XII. **Automated personnel-assets-consumables-drug tracking in ambulance services for more effective and efficient medical emergency interventions**  
UTKU S., ÖZCANHAN M. H., Unluturk M. S.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.127, pp.216-231, 2016 (SCI-Expanded)
- XIII. **Biomechanical comparison of pullout strengths of five cortical screw types: An innovative measurement method**  
KARAKAŞLI A., Acar N., ÖZCANHAN M. H., Ertem F.  
EKLEM HASTALIKLARI VE CERRAHISI-JOINT DISEASES AND RELATED SURGERY, vol.27, no.3, pp.138-145, 2016 (SCI-Expanded)
- XIV. **An Ultra-light PRNG Passing Strict Randomness Tests and Suitable for Low Cost Tags**  
Özcanhan M. H., Unluturk M. S., Dalkılıç G.  
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.16, no.3, pp.81-90, 2016 (SCI-Expanded)
- XV. **Detecting spam through their Sender Policy Framework records**  
Sipahi D., Dalkılıç G., Özcanhan M. H.  
SECURITY AND COMMUNICATION NETWORKS, vol.8, no.18, pp.3555-3563, 2015 (SCI-Expanded)
- XVI. **Improving communication among nurses and patients**  
Ünlütürk M. S., Özcanhan M. H., Dalkılıç G.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.120, no.2, pp.102-112, 2015 (SCI-Expanded)
- XVII. **Mersenne twister-based RFID authentication protocol**  
Özcanhan M. H., Dalkılıç G.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.1, pp.231-254, 2015 (SCI-Expanded)
- XVIII. **Cryptographically Supported NFC Tags in Medication for Better Inpatient Safety**  
Özcanhan M. H., Dalkılıç G., Utku S.  
JOURNAL OF MEDICAL SYSTEMS, vol.38, no.8, 2014 (SCI-Expanded)
- XIX. **Improvement of a weak RFID authentication protocol making drug administration insecure**  
ÖZCANHAN M. H.  
Life Science Journal, vol.11, no.10, pp.269-272, 2014 (SCI-Expanded)
- XX. **Increasing key space at little extra cost in RFID authentications**  
Dalkılıç G., Özcanhan M. H., Cakir H. S.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.22, no.1, pp.155-165, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Merger of internet of things and machine learning: The internet of everything sector projects, benefits, and future roles**  
Uygur S., Özcanhan M. H.  
International Advanced Researches and Engineering Journal, vol.8, no.2, pp.116-125, 2024 (Peer-Reviewed Journal)
- II. **Application of Artificial Neural Network Methods to Anatolian Plate Earthquake Magnitude and Location Prediction**  
EMEÇ M., ÖZCANHAN M. H.  
Journal of Engineering Technology and Applied Sciences, pp.47-62, 2024 (Peer-Reviewed Journal)

- III. **Hassas Tarımda Nesnelere İnterneti Destekli Akıllı Traktör ile Zirai İlaçlama ve Gübreleme**  
DALKILIÇ H., ÖZCANHAN M. H.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, 2024 (Peer-Reviewed Journal)
- IV. **A Survey on Integrated Circuit Trojans**  
TÜRKŞÖNMEZ H., ÖZCANHAN M. H.  
Computer Engineering and Intelligent Systems, vol.12, no.2, pp.1-8, 2021 (Peer-Reviewed Journal)
- V. **Performance Comparison of Three Types of Devices Deployed in a Typical Passenger Tracking System**  
ÖZCANHAN M. H.  
Computer Engineering and Intelligent Systems, vol.9, no.8, pp.5-10, 2020 (Peer-Reviewed Journal)
- VI. **A Centralized Emergency Room Patient Tracking System for Intelligent Cities**  
Buçan H., Dalkılıç H., UTKU S., ÖZCANHAN M. H.  
International Journal of Scientific and Technological Research, vol.4, no.8, pp.47-55, 2018 (Peer-Reviewed Journal)
- VII. **Attacking A PUF Based Mutual Authentication Protocol Designed For Internet of Things**  
ÖZCANHAN M. H., UTKU S.  
International Journal of Computer Science and Software Engineering, vol.7, no.11, pp.270-274, 2018 (Peer-Reviewed Journal)
- VIII. **Bulut Tabanlı Mobil Diyabet Kontrol Uygulaması: Mobil Diyabetim**  
YILDIRIM P., BOZYİĞİT F., ÖZCANHAN M. H., UTKU S.  
Bilişim Teknolojileri Dergisi, vol.10, no.2, pp.153-159, 2017 (Peer-Reviewed Journal)
- IX. **A new peculiarity to intelligent doors: Security through information sharing**  
ÖZCANHAN M. H.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.5, pp.581-587, 2017 (ESCI)
- X. **Giyilebilir Duyargaların Kesin Besicilikte Büyükbaş Hayvanlara Uygulanması Basit Bir Yöntemle Yemlenmenin Geviş Aktivitesinden Ayrıştırılması**  
ÖZCANHAN M. H.  
Bilişim Teknolojileri Dergisi, vol.9, no.3, pp.255-262, 2016 (Peer-Reviewed Journal)
- XI. **Analysis of a Recent Hash Based RFID Authentication Protocol Intended for Telecare Medicine**  
ÖZCANHAN M. H.  
International Research Journal of Engineering and Technology, vol.2, no.4, pp.1520-1524, 2015 (Peer-Reviewed Journal)
- XII. **Analysis of a Recent Quadratic Residue Based Authentication Protocol for Low-Cost RFID Tags**  
ÖZCANHAN M. H.  
International Journal of Novel Research in Engineering and Science, vol.2, no.1, pp.7-13, 2015 (Peer-Reviewed Journal)
- XIII. **Security Issues of a Recent RFID Multi Tagging Protocol**  
Özcanhan M. H., Baytar S., Utku S., Dalkılıç G.  
INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.6, no.1, pp.11-15, 2015 (ESCI)

## Books

- I. **Makine Öğrenmesi Algoritmalarında Hiper Parametre Belirleme**  
EMEÇ M., ÖZCANHAN M. H.  
in: 2023: MÜHENDİSLİKTE ÖNCÜ VE ÇAĞDAŞ ÇALIŞMALAR, Doç. Dr. Enes YİĞİT, Dr. Öğr. Üyesi Umut ÖZKAYA, Editor, Duvar Yayınları, İzmir, pp.71-98, 2023
- II. **Veri Ön İşleme ve Öznitelik Mühendisliğinin Yapay Zekâ Yöntemlerine Uygulanması**  
EMEÇ M., ÖZCANHAN M. H.  
in: 2023: MÜHENDİSLİKTE ÖNCÜ VE ÇAĞDAŞ ÇALIŞMALAR, Doç. Dr. Enes YİĞİT, Dr. Öğr. Üyesi Umut ÖZKAYA,

## Papers Published in Refereed Scientific Meetings

- I. **Development of restless legs syndrome severity prediction models for people with multiple sclerosis using machine learning**  
ÖZDOĞAR A. T., EMEÇ M., DAŞTAN S., KARAKAŞ H., BABA C., ÖZCANHAN M. H., ÖZAKBAŞ S.  
9th Joint ECTRIMS-ACTRIMS Meeting, Italy, 11 October 2023
- II. **Detecting Gait Disorders Using Machine Learning**  
UYGUR S., Öztürk Z., ÖZCANHAN M. H., EMEÇ M.  
International Engineering and Technology Management Summit 2023 ETMS 2023, İstanbul, Turkey, 02 June 2023
- III. **Feasibility of exergaming for upper extremity rehabilitation in people with multiple sclerosis**  
ÖZDOĞAR A. T., EMEÇ M., KAYA E., KARAKAŞ H., DAŞTAN S., KAHRAMAN T., ASLAN T., BABA C., ÖZCANHAN M. H., ÖZAKBAŞ S.  
Annual Rehabilitation in Multiple Sclerosis (RIMS) Conference , 2023, Genoa, Italy, 4 - 06 May 2023
- IV. **MOBILE CLOUD COMPUTING IN HEALTHCARE REVIEW STUDY**  
GÖDUR E., ÖZCANHAN M. H., UTKU S.  
2nd INTERNATIONAL RAHVA TECHNICAL AND SOCIAL RESEARCHES CONGRESS, Bitlis, Turkey, 03 December 2022
- V. **Yüksek Performanslı Çok Eksenli Biyomekanik Ölçüm Cihazının Geliştirilmesi**  
UZUN B., KARAKAŞLI A., ÖZCANHAN M. H., AYAS F., SARIBAŞ A. S.  
10. Uluslararası Biyomekanik Kongresi, İzmir, Turkey, 26 March 2021
- VI. **COMPARISON OF BIG DATA TIME SERIES ANALYSIS METHODS**  
EMEÇ M., ÖZCANHAN M. H.  
V. International Scientific and Vocational Studies Congress – Engineering (BILMES EN 2020), Ankara, Turkey, 12 December 2020
- VII. **THREE TYPES OF ATTACK SIMULATION ON INTERNET OF THINGS DEVICES**  
EMEÇ M., ÖZCANHAN M. H.  
V. International Scientific and Vocational Studies Congress – Engineering (BILMES EN 2020), Ankara, Turkey, 12 December 2020, pp.412-420
- VIII. **Nesnelerin İnterneti Sistemlerinin Kurulumunda Karşılaşılan Problemler Ve Çözümleri**  
Eser S., Akkan T., Utku S., Özcanhan M. H.  
INTERNATIONAL AEGEAN SYMPOSIUMS ON INNOVATION, İzmir, Turkey, 15 February 2020
- IX. **Performance Comparison of Four Free Cloud Services for IoT**  
Emeç M., ÖZCANHAN M. H.  
2nd International Congress on Engineering and Architecture, Marmaris, Turkey, 22 - 24 April 2019, pp.122-126
- X. **Prioritizing Manual Black-box Tests Using Topic Modeling**  
Şenel O. C., ÖZCANHAN M. H., erşahin m.  
International Conference on Advanced Technologies, Alanya, Turkey, 28 April - 01 May 2018, pp.146-149
- XI. **Gateway Design, Simulation, Testing and Implementation for a Medical Cloud and IoT System**  
Dicle F., Utku S., Özcanhan M. H.  
International Students Science Congress, İzmir, Turkey, 4 - 05 May 2018, pp.66
- XII. **Detection and Discovery of Patient Falls Using Complementary Sensor Constructs**  
ÖZCANHAN M. H., UTKU S.  
International Advanced Researches Engineering Congress, Osmaniye, Turkey, 18 - 21 November 2017, pp.2503-2509
- XIII. **Tamamlayıcı Sensör Yapılarıyla Hasta Düşmelerinin Önlenmesi ve Tespiti**  
ÖZCANHAN M. H., UTKU S.  
International Advanced Researches Engineering Congress-2017, İzmir, Turkey, 16 - 18 November 2017
- XIV. **Sanal Gerçeklik Ölçümleme Aracı Kinect MedVision**

- UTKU S., ÖZCANHAN M. H.  
XX. Biyomedikal Mühendisliği Ulusal Toplantısı, İzmir, Turkey, 3 - 05 November 2016, pp.387-391
- XV. **Gömülü Sistem Tabanlı Model Mobil Aracın Akıllı Telefonla Uzaktan Kontrolü**  
Dalkılıç H., ÖZCANHAN M. H.  
XVIII. AKADEMİK BİLİŞİM KONFERANSI, Aydın, Turkey, 30 January - 05 February 2016
- XVI. **A Sample for Secure Sensor Data Collection: Data Secured Fall Prevention and Fall Detection Sensor**  
Dalkılıç H., ÖZCANHAN M. H.  
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.389-392
- XVII. **Virtual Reality Measurement Tool: Kinect MedVision**  
UTKU S., ÖZCANHAN M. H.  
20th National Biomedical Engineering Meeting (BIYOMUT), İzmir, Turkey, 3 - 05 November 2016
- XVIII. **Mobile Health Care**  
Rende A., DALKILIÇ G., Ayaz M., ÖZCANHAN M. H.  
International Symposium on Innovations in Intelligent Systems and Applications, Madrid, Spain, 7 - 10 September 2015
- XIX. **STUDY OF BIOMECHANICAL SCREW PURCHASE PERFORMANCES OF FIVE TYPES OF CORTICAL SCREWS AN INNOVATIVE MEASUREMENT METHOD**  
KARAKAŞLI A., ÖZCANHAN M. H., KARAARSLAN A. A., ÖZMANEVRA R., ERTEM F.  
EORS2015 BRISTOL23rd Annual Meeting, 2 - 04 September 2015
- XX. **A Mobile Healthcare System Based on Body Sensor Networks**  
Rende A., Dalkılıç G., Ayaz M., Özcanhan M. H.  
2015 International Symposium on INnovations in Intelligent Systems and Applications, Madrid, Spain, 2 - 04 September 2015, pp.268-274
- XXI. **DDoS Prevention Techniques**  
Yarıntepe O., DALKILIÇ G., ÖZCANHAN M. H.  
3rd International Symposium on Digital Forensics and Security Symposium, Ankara, Turkey, 11 - 12 May 2015, pp.24-29
- XXII. **Distributed Denial of Service Prevention Techniques**  
Yarıntepe O., Dalkılıç G., Özcanhan M. H.  
International Symposium on Digital Forensics and Security (ISDFS), Ankara, Turkey, 11 - 12 May 2015, pp.24-29
- XXIII. **Akıllı Ambulans Araçlarına Doğru İlk Adımlar RFID Ambulans Varlıkları Takibi**  
Özcanhan M. H., Dalkılıç G., Utku S., Alkım E., Akis S.  
Türkiye de İnternet Konferansı (Inet-tr), İzmir, Turkey, 27 - 29 November 2014
- XXIV. **Biyomekanik olarak beş tip kortikal kemik tespit vidasının çekme testlerinin karşılaştırılması**  
KARAKAŞLI A., ÖZCANHAN M. H., KARAARSLAN A. A., ÖZMANEVRA R., YILDIZ D. V.  
24. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, Turkey, 12 - 14 November 2014
- XXV. **Hastanelerde Biyomedikal Cihaz Takibi**  
Özcanhan M. H., Dalkılıç G., Utku S.  
2014 2nd International Symposium on Digital Forensics and Security (ISDFS), Texas, United States Of America, 12 - 13 May 2014, pp.67-72
- XXVI. **Consequences of Using Weak Functions of Old EPC Global C 1 G 2 Standard for Obscuring Secrets**  
Özcanhan M. H., Dalkılıç G., Yarıntepe O.  
2014 2nd International Symposium on Digital Forensics and Security (ISDFS), Texas, United States Of America, 12 - 13 May 2014, pp.58-62
- XXVII. **Using CWMP Instead of SNMP in Remote Configuration and Support of Android Cpe**  
ÖZCANHAN M. H., UTKU S.  
30. Ulusay Bilişim Kurultayı, Ankara, Turkey, 28 - 29 November 2013
- XXVIII. **Analysis of Two Protocols Using EPC Gen-2 Tags for Safe Inpatient Medication**  
Özcanhan M. H., Dalkılıç G., Utku S.  
IEEE International Symposium on INnovations in Intelligent Systems and Applications (INISTA), Bulgaria, 19 - 21



June 2013

- XXXIX. **Is NFC a better option instead of EPC gen-2 in safe medication of inpatients**  
Özcanhan M. H., Dalkılıç G., Utku S.  
9th International Workshop on Radio Frequency Identification Security and Privacy Issues, RFIDsec 2013, Graz, Austria, 9 - 11 July 2013, pp.19-33
- XXX. **An ultra-light PRNG for RFID tags**  
Özcanhan M. H., Dalkılıç G., Gürle M. C.  
27th International Symposium on Computer and Information Sciences, ISCIS 2012, Paris, France, 3 - 04 October 2012, pp.231-238
- XXXI. **Gömülü sistem uygulamalarına yapılan saldırılar ve ağ bağlantılı gömülü sistemlerin güvenliğinin sağlanması**  
ÇAKIR H. Ş., ÖZCANHAN M. H.  
Elektrik-Elektronik Bilgisayar Sempozyumu (FEEB 2011), Elazığ, Turkey, 5 - 07 October 2011, pp.120-124
- XXXII. **A simple yet effective spam blocking method**  
Dalkılıç G., Sipahi D., Özcanhan M. H.  
2nd International Conference on Security of Information and Networks, SIN'09, Famagusta, Cyprus (Gkry), 6 - 10 October 2009, pp.179-185
- XXXIII. **Gömülü Sistemlerde Standartlara Dayalı Güvenlik Sağlanması**  
Özcanhan M. H., Dalkılıç G., Çakır H. Ş.  
III. İstanbul Bilişim Kongresi, İstanbul, Turkey, 29 - 31 May 2009, pp.111-116
- XXXIV. **A strong two way authentication for low capacity solutions**  
DALKILIÇ G., ÇAKIR H. Ş., ÖZCANHAN M. H.  
3rd Information Security & Cryptology Conference, Ankara, Turkey, 25 - 27 December 2008, vol.204
- XXXV. **A Strong Two Way Authentication Method for Low Capacity Solutions**  
Dalkılıç G., Çakır H. Ş., Özcanhan M. H.  
3rd Information Security and Cryptology Conference, Ankara, Turkey, 25 - 27 December 2008, pp.204-209
- XXXVI. **Polilaktikasit kaplı kollajen jel yapı iskeletine ekilen osteoblastlara tek yönlü ve devirli mekanik germe uyarımı**  
ÖZCANHAN M. H., MUTLU İ., ATEŞ H., İNCİ İ., ERCAN U. K., ÇEÇEN B., Yenigül M.  
XX. Milli Türk Ortopedi ve Travmatoloji Kongresi, Ankara, Turkey, 23 - 28 October 2007, vol.41, pp.26
- XXXVII. **A Meta Assembler for creating the Simulation files of the Instruction Set Processor Specifications**  
DasGupta S., ÖZCANHAN M. H.  
8th International Symposium on Computer Hardware Description Language of IFIP, Amsterdam, Netherlands, 27 - 29 April 1987, pp.163-167

## Supported Projects

Özcan E. G., Karadeniz E., Şendur G., Bukova Güzel E., Birant K. U., Özcanhan M. H., Baran B., Çüm S., Nigar O., Kartelli F., et al., TUBITAK Project, Fen Bilimleri Öğretiminde Dijital Dönüşüm Teknolojilerinin Entegrasyonu, 2024 - 2025

ÖZCANHAN M. H., Project Supported by Higher Education Institutions, Hasta Düşmelerinin Önlenmesinde Kullanılacak Alarm Sisteminin Geliştirilmesi, 2017 - 2018

UTKU S., ÖZCANHAN M. H., TUBITAK Project, BULUT TABANLI ÇİFTLİK YÖNETİMİ AKILLI SÜT ÜRETİMİ TAKİP VE ANALİZ PLATFORMU, 2015 - 2016

Utku S., Dalkılıç G., Özcanhan M. H., Tanfener S., TUBITAK Project, VERİMLİ VE ÇEVREYE DUYARLI ENERJİ TÜKETİMİNİN ELEKTRONİK OLARAK SÜREKLİ İZLENMESİ VE YÖNETİMİ İ TRACK, 2013 - 2014

Dalkılıç G., Özcanhan M. H., Utku S., TUBITAK Project, Yatışlı Hastaların Mobil Cihazlar ile İlaç Takip Sistemi, 2013 - 2014

Utku S., Dalkılıç G., Özcanhan M. H., Sözen K., TUBITAK Project, Denetleme Kontrol Yönetimi ve Otonom Yönetim Sistemi, 2013 - 2014

ÖZCANHAN M. H., Project Supported by Higher Education Institutions, Taşınabilir Bilgisayarların Uzaktan Konfigürasyon ve Hata Kontrolü, 2012 - 2013



ÖZCANHAN M. H., Project Supported by Higher Education Institutions, Radyo Frekansı Kimlik Tanımlama RFKT Etiketlerinde Uygulanabilir Rasgele Sayı Üretici Geliştirilmesi, 2012 - 2013

ÖZCANHAN M. H., Project Supported by Higher Education Institutions, Gömülü Sistemlerde Güvenlik ve Güvenirlik, 2009 - 2011

SELVER M. A., KOCAOĞLU A., ÖZCANHAN M. H., ALPKOÇAK A., KALAYCI DEMİR G., Project Supported by Higher Education Institutions, Sanal Mikroskopiye Yönelik Görüntüleme Sistemi Tasarımı, 2008 - 2011

ÖZCANHAN M. H., Project Supported by Higher Education Institutions, Bilgisayar Mühendisliği Bölümü Aktif Eğitim Planı çerçevesinde Yeni Elektronik Laboratuvarı, 2007 - 2008

## **Memberships / Tasks in Scientific Organizations**

Multipl Skleroz Araştırmaları Derneği, Board Member, 2014 - Continues, Turkey

## **Metrics**

Publication: 74

Citation (WoS): 73

Citation (Scopus): 90

H-Index (WoS): 5

H-Index (Scopus): 6