

# Prof. VEDAT TOPUZ

## Personal Information

**Email:** vtopuz@marmara.edu.tr

**Web:** <https://avesis.marmara.edu.tr/vtopuz>

### International Researcher IDs

ScholarID: VfoJRWMAAAAJ

ORCID: 0000-0001-7461-1849

Publons / Web Of Science ResearcherID: C-5770-2011

ScopusID: 6504094488

Yoksis Researcher ID: 36155

## Education Information

2018 - 2019	Undergraduate, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, Turkey
2011 - 2018	Undergraduate, Istanbul University, Faculty Of Law, Turkey
1995 - 2003	Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, Turkey
1993 - 1995	Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Electronics-Computer Education, Turkey
1982 - 1984	Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

2002	Bulanık genetik proses kontrolü, Marmara Üniversitesi, Faculty of Technical Education, Electronic and Computer Education, Doctorate
1995	Bilgisayarlı sıvı seviye kontrolü, Marmara Üniversitesi, Faculty of Technical Education, Electric Education, Postgraduate

## Research Areas

Simulation, Modelling and Identification, Control Systems and Instrumentation, System Diagnostics, Field and Service Robots, Computer Vision, Communications and Network Protocols, Processor Architectures, Computer Learning, Fuzzy Sets and Systems, Evolutionary Computing, Pattern Recognition and Image Processing, Neural Networks, Operating Systems

## Academic Titles / Tasks

2020 - Continues	Professor, Marmara University, Vocational School of Technical Sciences, Computer Technologies
2012 - 2020	Associate Professor, Marmara University, Vocational School of Technical Sciences, Computer Technologies

2005 - 2012	Assistant Professor, Marmara University, Vocational School of Technical Sciences, Technical Programs
1997 - 2005	Lecturer, Marmara University, Vocational School of Technical Sciences, Technical Programs
1991 - 1997	Lecturer, Bülent Ecevit Üniversitesi, Alaplı Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü

## Academic and Administrative Experience

2018 - Continues	Head of Department, Marmara University, Vocational School Of Technical Sciences, Computer Technologies
2016 - Continues	Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Marmara University, Vocational School of Technical Sciences, Computer Technologies
2012 - Continues	Meslek Yüksekokulu Kurulu Üyesi, Marmara University, Vocational School of Technical Sciences, Computer Technologies
1996 - Continues	Meslek Yüksekokulu Akademik Kurul Üyesi, Marmara University, Vocational School of Technical Sciences, Computer Technologies
2015 - 2018	Birim Stratejik Plan Komisyonu Başkanı, Marmara University, Vocational School of Technical Sciences
2015 - 2018	Member of the Senate, Marmara University, Vocational School Of Technical Sciences
2015 - 2018	Director of Vocational School, Marmara University, Vocational School of Technical Sciences
2007 - 2018	Meslek Yüksekokulu Yönetim Kurulu Üyesi, Marmara University, Vocational School of Technical Sciences
2012 - 2015	Head of Department, Marmara University, Vocational School of Technical Sciences, Computer Technologies
1996 - 2001	Head of Department, Marmara University, Vocational School of Technical Sciences, Computer Technologies

## Courses

2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014	Data Acquation and Computer Control Systems, Associate Degree
2018 - 2019, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013	Computer Operating System-2, Associate Degree
2018 - 2019	Computer Networks, Undergraduate
2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013	Computer Networks, Associate Degree
2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014	Soft Computing, Postgraduate
2017 - 2018	Computer Organization and Architecture, Undergraduate

2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013	Bilgisayarla Zeki sistem Uygulamaları, Associate Degree
2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013	Computer Operating System-1, Associate Degree
2017 - 2018	Artificial Intelligence, Undergraduate
2017 - 2018	Yazılım Geliştirme, Associate Degree
2015 - 2016, 2014 - 2015	Computer Hardware, Associate Degree
2014 - 2015, 2012 - 2013	Object Oriented Programming -1, Associate Degree
2014 - 2015, 2013 - 2014	Basic Electronic, Associate Degree

## Advising Theses

Continues	Topuz V., Ak A., Doctorate, B.ÇELİK(Student), Beyin Bilgisayar Arayüzü Tabanlı Robot Kontrolü
Continues	Topuz V., Buldu A., Doctorate, E.ERKALKAN(Student), Heterojen Uçan Tasarsız Ağlar için Dinamik Ortamlarda Ağ Bağlılığını Koruyan Yeniden Ziyaret Problemi için Görev Planlama Stratejileri
Continues	Oyman Serteller N. F., Topuz V., Postgraduate, R.RAHMATULLAH'(Student), Asenkron Motorun Dinamik Davranışlarının DQ Raferans Sistemleri Çerçevesinde MATLAB/SIMULINK İle Eğitim Amaçlı incelenmesi
2017	Topuz V., Ak A., Postgraduate, E.Bahçe(Student), Bulanık Mantık ve Veri Madenciliği Teknikleriyle Kredi Risk Tahmini
2013	Topuz V., Ak A., Postgraduate, B.ÇELİK(Student), Fpga tabanlı robotik kontrol
2012	Topuz V., Baba A. F., Postgraduate, E.YILMAZ(Student), Hidrolik Bir Sistemin Yapay Sinir Ağları ile Modellenmesi ve Katsayıları Genetik ve Parçacık üru Algoritmaları ile Optimize Edilmiş PID ile Kontrolü
2012	Topuz V., Ak A., Postgraduate, M.AYDIN(Student), Altı serbestlik derecesine sahip bir robot kolunun ses ile kontrolü
2012	TOPUZ V., AK A., Postgraduate, M.Aydın(Student), Altı serbestlik dercesine sahip bir robot kolunun ses ile kontrolü
2011	Topuz V., Baba A. F., Postgraduate, G.LOKMAN(Student), Parçacık sürü optimizasyon algoritması ile bulanık kontrolör tasarımı
2011	Topuz V., Postgraduate, B.BESTAMİ(Student), EKG işaretlerinin gömülü sistem ile izlenmesi
2010	Topuz V., Oral B., Doctorate, İ.KIYAK(Student), Rüzgar-güneş hibrid güç sistem beslemeli bir mekanın aydınlık düzeyinin LED'li armatürler kullanılarak kontrolü
2010	Topuz V., Postgraduate, E.ERKALKAN(Student), Esnek programlama yaklaşımları ile oyun geliştirme
2010	ORAL B., TOPUZ V., Doctorate, İ.Kiyak(Student), Rüzgar- güneş hibrid güç sistem beslemeli bir mekanın aydınlık düzeyinin led'li armatürler kullanılarak kontrolü
2010	Topuz V., Postgraduate, E.YAVUZ(Student), Türk dili için konuşmacıya bağımlı, fonem tabanlı, sözcük tanıma sistemi gerçekleştirilmesi
2009	Topuz V., Çelik H. H., Postgraduate, E.ERŞAN(Student), Bir Robot Kolunun Görmeye Dayalı Kontrolü

2009	Topuz V., Postgraduate, İ.ŞİMŞEK(Student), Veri tabanı yönetim sistemlerinde bulanık sorgulama ile veri işleme
2008	Erdal H., Topuz V., Postgraduate, M.ÜNAL(Student), PID kontrolörün karınca kolonisi / genetik algoritma tabanlı optimizasyonu ve Gunt RT 532 basınç prosesinin kontrolü
2006	Topuz V., Postgraduate, K.CAN(Student), Genetik algoritma kullanılarak haftalık ders programı zaman çizelgeleme yazılımının geliştirilmesi
2005	Topuz V., Baba A. F., Postgraduate, C.ŞAFAK(Student), Pönamatik Motorun Hız Kontrolü için Genetik-Bulanık Kontrolör Tasarımı

## Education Infrastructure Information

January 2018 Topuz V., Ak A., Kontrol ve Mikroİşlemciler Laboratuvarı

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

- I. **Motor imagery EEG signal classification using image processing technique over GoogleNet deep learning algorithm for controlling the robot manipulator**  
Ak A., Topuz V., Midi İ.  
Biomedical Signal Processing and Control, vol.72, 2022 (SCI-Expanded)
- II. **Hyperspectral Image Classification Based on Multilayer Perceptron Trained with Eigenvalue Decay**  
Lokman G., ÇELİK H. H., TOPUZ V.  
CANADIAN JOURNAL OF REMOTE SENSING, vol.46, no.3, pp.253-271, 2020 (SCI-Expanded)
- III. **A phoneme-based approach for eliminating out-of-vocabulary problem of Turkish speech recognition using Hidden Markov Model**  
Yavuz E., TOPUZ V.  
COMPUTER SYSTEMS SCIENCE AND ENGINEERING, vol.33, no.6, pp.429-445, 2018 (SCI-Expanded)
- IV. **Visual Servoing Application for Inverse Kinematics of Robotic Arm Using Artificial Neural Networks**  
Ak A., Topuz V., Ersan E.  
STUDIES IN INFORMATICS AND CONTROL, vol.27, pp.183-190, 2018 (SCI-Expanded)
- V. **Smart indoor LED lighting design powered by hybrid renewable energy systems**  
KIYAK İ., ORAL B., TOPUZ V.  
ENERGY AND BUILDINGS, vol.148, pp.342-347, 2017 (SCI-Expanded)
- VI. **Optimization of PID Controllers Using Ant Colony and Genetic Algorithms Introduction**  
ÜNAL M., AK A., TOPUZ V., ERDAL H.  
OPTIMIZATION OF PID CONTROLLERS USING ANT COLONY AND GENETIC ALGORITHMS, vol.449, pp.1-3, 2013 (SCI-Expanded)
- VII. **Trajectory tracking performance comparison between genetic algorithm and ant colony optimization for PID controller tuning on pressure process**  
ÜNAL M., ERDAL H., TOPUZ V.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.20, no.3, pp.518-528, 2012 (SCI-Expanded)
- VIII. **Design and comparative analysis of high power led with fluorescent lamp in laboratory lighting systems**  
KIYAK İ., ORAL B., TOPUZ V.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.29, no.2, pp.1147-1158, 2012 (SCI-Expanded)
- IX. **Modeling of dimmable High Power LED illumination distribution using ANFIS on the isolated area**  
KIYAK İ., TOPUZ V., ORAL B.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.9, pp.11843-11848, 2011 (SCI-Expanded)
- X. **Soft computing technique for power control of Triga Mark-II reactor**  
TOPUZ V., BABA A. F.

- EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.9, pp.11201-11208, 2011 (SCI-Expanded)
- XI. **Prediction of Turkey's Denim Trousers Export Using Artificial Neural Networks and the Autoregressive Integrated Moving Average Model**  
ÖZBEK A., Akalin M., TOPUZ V., SENNAROĞLU B.  
FIBRES & TEXTILES IN EASTERN EUROPE, vol.19, no.3, pp.10-16, 2011 (SCI-Expanded)
- XII. **Pneumatic motor speed control by trajectory tracking fuzzy logic controller**  
Safak C., TOPUZ V., BABA A. F.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.35, no.1, pp.75-86, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Modeling and Simulation of Faulty Induction Motor in DQ Reference Frame Using MATLAB/SIMULINK with MATLAB/GUIDE for Educational Purpose**  
Rahmatullah R., OYMAN SERTELLER N. F., TOPUZ V.  
INTERNATIONAL JOURNAL OF EDUCATION AND INFORMATION TECHNOLOGIES, vol.17, pp.7-20, 2023 (ESCI)
- II. **Paralyzed Patients-oriented Electroencephalogram Signals Processing Using Convolutional Neural Network Through Python**  
TOPUZ V., AK A., BOYAR T.  
The Journal of Neurobehavioral Sciences, 2022 (Peer-Reviewed Journal)
- III. **Mikrodenetleyicileri Kullanarak Türkçe Sesli Komutlarla Beş Eksenli Manipülâtör Kontrolü**  
AK A., TOPUZ V., AYDIN M.  
Marmara Fen Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)
- IV. **Development of a Remote Laboratory Infrastructure and LMS for Mechatronics Distance Education**  
Ak A., Topuz V., Altıkardes Z. A., Oral B.  
Eurasia Journal Of Mathematics Science And Technology Education, vol.14, pp.2493-2508, 2018 (Scopus)
- V. **Marmara Üniversitesi Teknik Bilimler Meslek Yüksekokulu Uzaktan Öğretim Sürecinin Değerlendirilmesi**  
Ak A., Oral B., Topuz V.  
Bilim, Eğitim, Sanat ve Teknoloji Dergisi, vol.2, pp.73-80, 2018 (Peer-Reviewed Journal)
- VI. **Field Programmable Gate Arrays Based Real Time Robot Arm Inverse Kinematic Calculations and Visual Servoing**  
Celik B., AK A., TOPUZ V.  
ELECTRICA, vol.18, no.2, pp.143-150, 2018 (ESCI)
- VII. **Credit Repayment Analysis Using Support Vector Machine And Principal Component Analysis**  
Çizer E., Ak A., Topuz V.  
IJSES - International Journal Of Social And Economic Sciences, vol.7, pp.22-25, 2017 (Peer-Reviewed Journal)
- VIII. **Mekatronik İçin Yenilikçi Uzaktan Erişimli Laboratuvar EDUMEC Örneği**  
Topuz V., Ak A., Oral B., Altıkardes Z. A.  
Otomasyon, vol.4, pp.132-134, 2014 (Non Peer-Reviewed Journal)
- IX. **Prediction of nickel based super alloy surface roughness in CNC end milling operation using connectionist models**  
TOPUZ V., AY M., BASMACI G.  
Scientific Research And Essays, vol.6, pp.5976-5985, 2011 (Scopus)
- X. **Determination of illuminance level using ANN model**  
TOPUZ V., ATİŞ S., KOCABEY S., TEKTAŞ M.  
Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), v 4692 LNAI, n PART 1, Knowledge-Based Intelligent Information and Engineering Systems: KES 2007 - WIRN 2007, vol.4692, pp.773-780, 2007 (Scopus)

## Books & Book Chapters

- I. **Fuzzy Logic Controller with Particle Swarm Optimisation Algorithm**  
Lokman G., Topuz V., Baba A. F.  
in: Swarm Intelligence: From Concepts to Applications, Tan Ying, Editor, Institution of Electrical Engineers ,  
Newport, pp.246-4500, 2018
- II. **FPGA Based Visual Robot Control**  
Çelik B., AK A., TOPUZ V.  
LAP Lambert Academic Publishing, 2017
- III. **Bulanık Genetik Proses Kontrolü**  
TOPUZ V.  
LAP Lambert Academic Publishing, 2016
- IV. **Optimization of PID Controllers Using Ant Colony and Genetic Algorithms**  
Ünal M., Ak A., Topuz V., Erdal H.  
Springer, London/Berlin , Dordrecht, 2013
- V. **Genetic Fuzzy Controller for Pneumatic Motor Speed Controller**  
BABA A. F., TOPUZ V., CENGİZ Ş.  
LAP LAMBERT Academic Publishing GmbH, 2011
- VI. **Application of the Artificial Neural Networks on Visually Guided Robot**  
Emregül Erşan E., Topuz V., Ak A.  
in: New Development in Artificial Neural Networks Research, Robert W. NELSON, Editor, NOVA Science Publishers  
Inc. , New-York, pp.91-108, 2011
- VII. **Hourly Traffic Flow Predictions by Different ANN Models**  
Topuz V.  
in: Urban Transport and Hybrid Vehicles, Seref Soylu, Editor, Intechopen, Rijeka, pp.13-28, 2010

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Design, Optimization and Experimental Study of Axial and Hub BLDC Motors in-Wheel Application for Light Electric Vehicles**  
TOKER K., Tosun O., OYMAN SERTELLER N. F., TOPUZ V.  
21st IEEE Mediterranean Electrotechnical Conference (IEEE MELECON), Palermo, Italy, 14 - 16 June 2022, pp.354-359
- II. **Heuristic Algorithms Testbed for Flying Ad-Hoc Network Systems**  
Erkalkan E., Topuz V., Buldu A.  
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 - 17 October 2020, pp.1-4
- III. **Solving Container Loading Problem with Differential Evolution Algorithm**  
Erkalkan E., Topuz V., Buldu A.  
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 October 2020, pp.1-4
- IV. **Yapay sinir ağları tekniği ile kredi risk analizi**  
AK A., TOPUZ V., Çizer E.  
INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY, Ankara, Turkey, 22 - 23 November 2018
- V. **Credit Repayment Analysis Using Support Vector Machine and Principal Component Analysis**  
Çizer E., AK A., TOPUZ V.  
International Congress on Social and Economic Sciences, 15 - 19 November 2017
- VI. **EVALUATION OF DISTANCE LEARNING PROCESS OF MARMARA UNIVERSITY VOCATIONAL SCHOOL OF TECHNICAL SCIENCES**  
AK A., ORAL B., TOPUZ V.  
International Conference on Science and Education, 26 - 29 September 2017

- VII. **KREDİ GERİ ÖDEME DURUMUNUN LOJİSTİK REGRESYON TEKNİĞİ İLE ANALİZİ**  
Bahçe E., AK A., TOPUZ V.  
International Engineering, Science and Education Conference, 1 - 03 December 2016
- VIII. **Conceptual Development of E Learning Education for Mechatronics Remote Laboratory**  
Altıkardeş Z. A., Topuz V., Ak A., Oral B.  
International Conference on Education in Mechatronics, Ostrava, Czech Republic, 24 September 2013
- IX. **Technological Infrastructure of E Learning Education for Mechatronics Remote Laboratory**  
Ak A., Topuz V., Oral B., Altıkardeş Z. A.  
International Conference on Education in Mechatronics, Ostrava, Czech Republic, 13 - 14 November 2013
- X. **Technological Infrastructure of E Learning Education for Mechatronics Remote Laboratory**  
Ak A., Oral B., Altıkardeş Z. A., Topuz V.  
International Conference on Education in Mechatronics, Ostrava, Czech Republic, 24 September 2013, pp.9-15
- XI. **Variable Speed Approach for Congestion Alleviation on Bosphorus Bridge Crossing**  
AKBAŞ A., TOPUZ V., ÇELİK H. H., ERGÜN M.  
19. Dresden Conference of Traffic and Transportation Sciences, 01 January 2012
- XII. **PSO Based Trajectory Tracking PID Controller for Unchattering Control of Triga Mark II Nuclear Reactor Power Level**  
LOKMAN G., BABA A. F., TOPUZ V.  
2nd International Symposium on Computing in Science and Engineering, 1 - 03 September 2011
- XIII. **A Trajectory Tracking FLC Tuned with PSO for Triga Mark-II Nuclear Research Reactor**  
Lokman G., BABA A. F., TOPUZ V.  
15th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems (KES), Kaiserslautern, Germany, 12 - 14 September 2011, vol.6881, pp.90-99
- XIV. **Web Based Control Simulations Environment WBCSE for Control Education with MATLAB**  
ÜNAL M., SAVAŞ K., TOPUZ V., ERDAL H.  
International Educational Technology Conference (IETC 2010), 01 September 2010
- XV. **Optimization of Fuzzy Membership Functions of TTFLC using PSO**  
LOKMAN G., BABA A. F., TOPUZ V.  
2nd International Symposium on Computing in Science and Engineering, 23 - 25 June 2010
- XVI. **Recognition of Turkish Vowels by Probabilistic Neural Networks Using Yule-Walker AR Method**  
Yavuz E., Topuz V.  
5th International Conference on Hybrid Artificial Intelligence Systems, San Sebastian, Spain, 23 - 25 June 2010, vol.6076, pp.112-113
- XVII. **Data Processing on Database Management Systems with Fuzzy Query**  
Simsek I., TOPUZ V.  
5th International Conference on Hybrid Artificial Intelligence Systems, San Sebastian, Spain, 23 - 25 June 2010, vol.6076, pp.170-171
- XVIII. **Effects of lighting performance on cooling for power LED**  
KIYAK İ., ORAL B., TOPUZ V.  
11th European Lighting Conference, 9 - 11 September 2008
- XIX. **Modeling of High Power LED Illumination Distribution Using ANN**  
KIYAK İ., TOPUZ V., ORAL B.  
6.th International Conference on Electrical and Electronics Engineering, 1 - 03 September 2009
- XX. **Yerleşim Bölgelerinde Rüzgâr Enerjisi Kullanımının Yaygınlaştırılması Bina Montajlı Rüzgâr Türbinleri**  
KIYAK İ., ORAL B., TOPUZ V.  
Türkiye 11.Enerji Kongresi ve Sergisi, Turkey, 1 - 03 June 2009
- XXI. **Traffic demand prediction using ANN simulator**  
Topuz V.  
11th International Conference on Knowledge-Based Intelligent Informational and Engineering Systems/17th Italian Workshop on Neural Networks, Vietri sul Mare, Italy, 12 - 14 September 2007, vol.4692, pp.864-870

- XXII. **Determination of illuminance level using ANN model**  
TOPUZ V., ATİŞ S., Kocabey S., Tektas M.  
11th International Conference on Knowledge-Based Intelligent Informational and Engineering Systems/17th Italian Workshop on Neural Networks, Vietri sul Mare, Italy, 12 - 14 September 2007, vol.4692, pp.773-775
- XXIII. **ISAC Robot Kolunun Yörünge Takibi İçin PID Kontrolörün Genetik Algoritma ile Optimizasyonu**  
ÜNAL M., ERDAL H., TOPUZ V., ERGÜZEL T. T.  
UMES'07 - Ulusal Teknik Eğitim, Mühendislik ve Eğitim Bilimleri Genç Araştırmacılar Sempozyumu, Kocaeli, Turkey, 20 June 2007, pp.404-407
- XXIV. **Estimation of total harmonic distortion in short chorded induction motors using artificial neural network**  
BİRBİR Y., Nogay H. S., TOPUZ V.  
6th WSEAS International Conference on Applications of Electrical Engineering, İstanbul, Turkey, 27 - 29 May 2007, pp.206-207
- XXV. **Uzaktan Eğitim Pilot Proje Organizasyonu**  
Kesen U., Altıkardeş Z. A., Ak A., Çınar A., Topuz V.  
I.Uluslararası Mesleki ve Teknik Eğitim Teknolojileri Kongresi, İstanbul, Turkey, 5 - 07 September 2005
- XXVI. **ISAC Robot Kolunun Yörünge Takibi için PID Kontrolörün Genetik Algoritma ile Optimizasyonu**  
ÜNAL M., ERDAL H., TOPUZ V., ERGÜZEL T. T.  
Ulusal Teknik Eğitim ve Eğitim Bilimleri Genç Araştırmacılar Sempozyumu (UMES'07), Turkey, 1 - 03 June 2005
- XXVII. **Otomotiv Sektörü için İdeal Tekniker Eğitimi**  
TEKTAŞ M., TOPUZ V., İLHAN M., OKATAN K.  
I. Uluslararası Mesleki ve Teknik Eğitim Teknolojileri Kongresi, Turkey, 1 - 03 June 2005
- XXVIII. **Origin Destination Trip Matrix Estimation by Using Artificial Neural Networks**  
AKBAŞ A., ÇELİK H. H., TOPUZ V.  
ACE 2004 6th International congress on advances in civil engineering, İstanbul, Turkey, 4 - 06 October 2004
- XXIX. **An Educational Tool Study on Mechatronics Simulation and Emulation of Stepper Motor Driving System by Using Microcontroller Based System Interface**  
AKDOĞAN E., TOPUZ V., AKBAŞ A.  
International Conference on Mechatronics (ICM'04), 1 - 03 September 2004
- XXX. **Lighting Issues in Aircraft and Maintenance Workplaces**  
EKREN N., SELÇUK A., KOCABEY S., AKBAŞ A., TOPUZ V.  
Air Transport Research Society World Conference (ATRS 2004), 1 - 03 September 2004
- XXXI. **Teknoloji Eğitiminde Yapay Zeka Tekniklerinin Yeri ve Önemi**  
TEKTAŞ M., TEKTAŞ N., TOPUZ V.  
IV. International Educational Technology Symposium, 1 - 03 September 2004
- XXXII. **Lighting Issues in Aircraft Repair and Maintenance Workplaces**  
EKREN N., ATİŞ S., KOCABEY S., AKBAS A., TOPUZ V.  
Air Transport Research Society World Conference, İstanbul, Turkey, 1 - 03 July 2004, pp.1-15
- XXXIII. **An education tool study on mechatronics: Emulation of stepper motor driving systems by using a microcontroller based system interface**  
Akdogan E., Topuz V., Akbas A.  
IEEE International Conference on Mechatronics (ICM 2004), İstanbul, Turkey, 3 - 05 June 2004, pp.509-512
- XXXIV. **Fuzzy Signal Controller for Critical Intersections in Istanbul**  
AKBAŞ A., TOPUZ V., ÇELİK H. H., ERGÜN M.  
19. Dresden Conference of Traffic and Transportation Sciences, 1 - 03 June 2003
- XXXV. **Yapay Zekâ Tekniklerinin Trafik Kontrolünde Kullanılması Üzerinde Bir İnceleme**  
TEKTAŞ M., AKBAŞ A., TOPUZ V.  
Uluslararası Trafik ve Yol Güvenliği Kongresi ve Fuarı, 1 - 03 June 2002
- XXXVI. **Boğaz Köprüsü Yolunda Katılım Noktalarında Trafik Akımlarının Bulanık Mantık Yaklaşımı ile Kontrolü ve Bir Uygulama Örneği**  
TOPUZ V., AKBAŞ A., TEKTAŞ M.



Uluslararası Trafik ve Yol Güvenliđi Kongresi ve Fuarı, 1 - 03 June 2002

XXXVII. **TBMYO Öğrencilerinin Genel Karakteristiklerinin ve Memnuniyetinin SPSS Ortamında Analizi**  
TEKTAŞ M., TOPUZ V.

I. Ulusal Meslek Yüksekokulları Sempozyumu, Turkey, 1 - 03 May 2001

## Other Publications

- I. **Mekatronik İçin Yenilikçi Uzaktan Erişimli Laboratuvar EDUMEC Örneđi**  
Topuz V., Ak A., Oral B., Altıkardeş Z. A.  
Other, pp.132-134, 2014

## Supported Projects

2017 - 2019	Beyin Bilgisayar Arayüzü Tabanlı Robot Kontrolü, Project Supported by Higher Education Institutions
2006 - 2019	Bir Asfalt Yüzeyin Makro Doku Yapısının Görüntü İşleme Teknikleri ile Tespiti, Project Supported by Higher Education Institutions
2011 - 2013	E LEARNING EDUCATION AND INNOVATIVE REMOTE LABORATORY FOR MECHATRONICS - EDUMEC, EU Supported Other Project
2007 - 2010	Rüzgâr Güneş Hibrid Güç Sistem Beslemeli Bir Mekânın Aydınlık Düzeyinin LED li Armatürler Kullanılarak Kontrolü, Project Supported by Higher Education Institutions
2003 - 2007	Teknik Bilimler Meslek Yüksekokulu Uzaktan Eğitim Pilot Projesi, Project Supported by Higher Education Institutions
2004 - 2006	3 Eksenli Robot Kolu ile Planlı Olmayan Nesnenin Görüntü İşleme Tekniđi ile Takibi, Other International Funding Programs
2003 - 2003	Karayollarında Oluşan Trafik Sıkışıklığının Deđişken Hız Yaklaşımı Yöntemi ile Azaltılması Boğaziçi Köprüsü Geçişi Örneđi, Project Supported by Higher Education Institutions

## Patent

2017	Patent
------	--------

## Awards

January 2011	Teşvik, Tübitak
--------------	-----------------