

## **Prof. Tülay YILDIRIM**

### **Personal Information**

**Office Phone:** [+90 212 383 5888](tel:+902123835888)

**Email:** tulay@yildiz.edu.tr

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

**Address:** Yıldız Teknik Üniversitesi Elektrik Elektronik Fakültesi Elektronik ve Haberleşme Mühendisliği Bölümü Davutpaşa Yerleşkesi 34220 Esenler- İstanbul

### **International Researcher IDs**

ScholarID: GW7201AAAAAJ

ORCID: 0000-0001-9993-5583

Publons / Web Of Science ResearcherID: A-6996-2018

ScopusID: 7005994652

Yoksis Researcher ID: 3270

### **Education Information**

Doctorate, University of Liverpool, Electrical Engineering And Electronics, United Kingdom 1994 - 1997

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Turkey 1990 - 1992

Undergraduate, Yıldız Technical University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Müh. Bölümü, Turkey 1985 - 1990

### **Dissertations**

Doctorate, Developments of conic section function neural networks in software and hardware, University Of Liverpool, Department Of Electrical Engineering And Electronics, Department Of Electrical Engineering And Electronics, 1997

Postgraduate, Akıllı bir sistem ile endüstriyel kontrol uygulaması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektronik Ve Haberleşme Mühendisliği, 1992

### **Research Areas**

Control of Biological Systems, Smart Factors, Human and Robot Interaction, Humanoid Robots, Signal Processing, Pattern Recognition and Analysis, Cryptography, Virtual Reality, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Human Computer Interaction, Pattern Recognition and Image Processing, Neural Networks, Biomedical Engineering, Bioengineering and MEMS, Biomedical Image Processing, Biosignal Processing, Telemedicine, Electrical and Electronics Engineering, Electronic, Electronic Circuits, Engineering and Technology

### **Academic Titles / Tasks**

Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2006 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 2000 - 2006

Assistant Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication

Engineering, 1997 - 2000

Research Assistant, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, 1991 - 1997

## Academic and Administrative Experience

Ana Bilim Dalı Başkanı, Yıldız Technical University, Faculty Of Electrical & Electronics, 2008 - 2023

Head of Department, Yıldız Technical University, Faculty Of Electrical & Electronics, 2010 - 2013

Program Koordinatörü, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, -, 2010 - 2013

Fakülte Kurulu Üyesi, Yıldız Technical University, Faculty Of Electrical & Electronics, 2010 - 2013

Fakülte Yönetim Kurulu Üyesi, Yıldız Technical University, Faculty Of Electrical & Electronics, 2010 - 2013

Erasmus Program Department Coordinator, Yıldız Technical University, 2003 - 2011

Vice Dean, Yıldız Technical University, Faculty Of Electrical & Electronics, 2005 - 2007

Deputy Head of Department, Yıldız Technical University, Faculty Of Electrical & Electronics, 1998 - 2005

## Advising Theses

Yıldırım T., Simplified Visual Cortex Model for Machine Vision, Doctorate, İ.CAN(Student), 2023

Yıldırım T., Classification of Solder Quality in Through Hole Devices with Convolutional Neural Networks, Postgraduate, N.SARIGÜL(Student), 2023

Yıldırım T., ELECTROMYOGRAPHY BASED MULTI FINGEREDMOVEMENT RECOGNITION FOR HAND PROSTHESIS, Postgraduate, M.BERBEROĞLU(Student), 2023

Yıldırım T., Frequency response characterization of various media for magnetic human body communication, Postgraduate, E.BERAT(Student), 2023

Yıldırım T., Araçlar için Türkçe Akıllı Asistan Tasarımı, Postgraduate, E.ERGÜN(Student), 2022

Yıldırım T., Davranışsal ve Fiziksel Multi-biyometri ile Kişi Kimliklendirme ve Hareket Tanıma Üzerine Yaklaşımlar, Doctorate, O.CAN(Student), 2022

Kuşkonmaz N., Yıldırım T., Üç Boyutlu Seramik Tabanlı Mikrodalga Devrelerin Tasarımı, Postgraduate, T.MAHOUTI(Student), 2022

Yıldırım T., Optimization of bluetooth low energy-based indoor localization using smart systems, Postgraduate, M.YIRIMEAH(Student), 2022

Yıldırım T., Frequency selective surfaces for aerospace applications, Postgraduate, H.MEHMET(Student), 2022

Yıldırım T., Privacy-Preserving Techniques and Machine Learning for Critical Systems, Doctorate, Z.MÜFTÜOĞLU(Student), 2022

Yıldırım T., A medical decision making system for brain tumor identification from magnetic resonance images using machine learning techniques, Doctorate, Z.ABD(Student), 2021

Özmen A., Yıldırım T., Autonomous Vehicle Control using Reinforcement Learning, Postgraduate, H.BOZKURT(Student), 2020

Yıldırım T., Domain free deep learning based security models for cyberphysical systems, Doctorate, D.GÜMÜŞBAŞ(Student), 2020

Yıldırım T., Potentiostat design for electrochemical measurements, Postgraduate, M.ALIBEK(Student), 2020

Yıldırım T., Learning-based spatial reuse optimization for dense wireless local area networks, Postgraduate, T.GIDEON(Student), 2019

Yıldırım T., Transfer function optimization using evolutionary algorithms in filter circuits, Postgraduate, T.SAATÇI(Student), 2019

Yıldırım T., Converting medical dictation reports to text, Postgraduate, Z.GÜLHAN(Student), 2019

Yıldırım T., Dynamically modeling and controlling turret systems ascent axes with intelligent algorithms, Postgraduate, A.CAN(Student), 2019

Yıldırım T., Nuclei segmentation with generative adversarial networks, Postgraduate, O.CAN(Student), 2019

Yıldırım T., Smart suit design for military person, Postgraduate, B.SAKACI(Student), 2018

Yıldırım T., Analysing of electrical activity in the active brain regions against visual stimuli, Postgraduate, S.NUR(Student), 2018

Yıldırım T., Route planning and obstacle avoidance for multiple autonomous unmanned surface vehicles, Postgraduate, F.BEŞER(Student), 2018

Yıldırım T., Fusion of face and body biometrics based on deep learning, Postgraduate, A.BİLGİÇ(Student), 2017

Yıldırım T., Biometric identification with wrist and palmprint images captured by mobile phone camera, Postgraduate, Ö.NİYAZ(Student), 2017

Yıldırım T., Automated insulin pump design based on probabilistic prediction algorithm, Postgraduate, H.VİLDAN(Student), 2017

Yıldırım T., Pace P. E., Enhanced LPI waveform representations for digital electronic warfare intercept receivers, Doctorate, T.ÖZGÜR(Student), 2016

Yıldırım T., Pace P. E., FMCW LPI radar signal detection and parameter extraction methods based on Wigner Hough transform, Doctorate, A.YASİN(Student), 2015

Yıldırım T., Intelligent design of intensity modulated fiber optic sensors using different fiber structures, Doctorate, H.SEÇKİN(Student), 2014

Yıldırım T., Classification of human activities with wearable sensors without feature extraction, Postgraduate, O.CAN(Student), 2014

Yıldırım T., Disease diagnosis by sound analysis, Postgraduate, S.UYSAL(Student), 2014

Yıldırım T., Design of an embedded electronic stethoscope, Postgraduate, H.UYSAL(Student), 2014

Yıldırım T., 3.3 v electronic control board design for white goods, Postgraduate, T.AYTEKİN(Student), 2013

Yıldırım T., Power analysis attacks on an implementation of AES algorithm, Postgraduate, M.ÖZTEMÜR(Student), 2012

Yıldırım T., Evolutionary algorithm based electronic circuit design automation, Postgraduate, U.BOZKURT(Student), 2012

Yıldırım T., Particle swarm optimization for electronic circuit design automation, Doctorate, R.ACAR(Student), 2011

Yıldırım T., Development of artificial neural network-fuzzy logic hybrid structures and algorithms, Doctorate, C.ŞENOL(Student), 2010

Yıldırım T., Design of low voltage analog ANN circuit blocks by using subthreshold FGMOS transistors, Doctorate, F.KELEŞ(Student), 2010

Yıldırım T., The I<sub>2</sub>C optimization by materials scouting, Postgraduate, E.SAYGI(Student), 2009

Yıldırım T., Ertürk S., Unsupervised segmentation of hyperspectral images, Doctorate, G.BİLGİN(Student), 2009

Yıldırım T., Mimic recognition using neural networks, Postgraduate, M.YASAV(Student), 2008

Yıldırım T., Technology independent short channel CMOS circuit design using artificial neural networks, Doctorate, N.KAHRAMAN(Student), 2008

Yıldırım T., Investigation of electromyogram signals with artificial neural networks, Postgraduate, M.ÖZSERT(Student), 2007

Yıldırım T., New ANN approaches with optimum performance and hardware design for pattern recognition, Doctorate, Ö.POLAT(Student), 2007

Yıldırım T., Mixed mode hardware design of a general purposed artificial neural network, Doctorate, B.ERKMEN(Student), 2007

Yıldırım T., Chaotic time-series prediction with artificial neural networks: The case of earthquake data, Postgraduate, U.FIRAT(Student), 2006

Yıldırım T., Face detection using artificial neural networks, Postgraduate, S.ESER(Student), 2006

Yıldırım T., Optimization of radial basis function networks by genetic algorithms, Postgraduate, G.YAZICI(Student), 2006

Yıldırım T., Image compression using artifical neural networks, Postgraduate, U.KERPIÇ(Student), 2005

Yıldırım T., Robot training using neural networks, Postgraduate, Ü.YÜCEL(Student), 2005

Yıldırım T., Detection and classification of fingerprints using artificial neural networks, Postgraduate, S.KÖSE(Student), 2005

Yıldırım T., Hand gesture recognition using artifical neural networks, Postgraduate, G.GÖKNAR(Student), 2005

Yıldırım T., Artificial neural network realization with hybrid hardware: AY integrated circuit, Doctorate, M.AVCI(Student), 2005

Yıldırım T., GRNN usage for medical diagnosis and design circuit blocks, Postgraduate, R.ACAR(Student), 2004

Yıldırım T., Signature recognition using standard and hybrid neural network configurations, Postgraduate, C.ŞENOL(Student), 2004

Yıldırım T., A visual software development for implementation of logic functions based on pass transistor logic, Postgraduate, M.CEM(Student), 2004

Yıldırım T., Investigation of artificial neural network structure suitable for electronic retina design, Postgraduate, N.COŞKUN(Student), 2003

Yıldırım T., Neuron design with FGMOS transistors and classifier applications, Postgraduate, F.KELEŞ(Student), 2003

Yıldırım T., 3-D computer vision using artificial neural networks, Postgraduate, M.MERCİMEK(Student), 2003

Yıldırım T., Neural network based decision method for MOFSET channel lenght and width, Postgraduate, M.YALÇIN(Student), 2003

Yıldırım T., Protocol layer design of USB device interface, Postgraduate, B.KAPANOĞLU(Student), 2001

## Research Infrastructure Information

Yıldırım T., Cyber Security and Biometric Research Consultancy and Test Center, June 2015  
Yıldırım T., Kahraman N., Machine Intelligence and Electronic Design Automation Lab, October 2011

## Education Infrastructure Information

Yıldırım T., Cyber Security and Biometric Research Application Lab, June 2015

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

- I. **A comparative analysis of multi-biometrics performance in human and action recognition using silhouette thermal-face and skeletal data**  
KURBAN O. C., YILDIRIM T.  
Neural Networks, vol.170, pp.1-17, 2024 (SCI-Expanded)
- II. **From traditional to smart human resources management**  
Kambur E., Yildirim T.  
INTERNATIONAL JOURNAL OF MANPOWER, vol.44, no.3, pp.422-452, 2023 (SSCI)
- III. **Temporal Convolutional Networks with RNN approach for chaotic time series prediction**  
Dudukcu H. V., Taskiran M., Taskiran Z. G. C., Yildirim T.  
Applied Soft Computing, vol.133, 2023 (SCI-Expanded)
- IV. **Surrogate-assisted optimization of 3D printed ceramic nonuniform nonplanar microstrip filter**  
Mahouti T., KUŞKONMAZ N., YILDIRIM T.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.64, no.8, pp.1376-1381, 2022 (SCI-Expanded)
- V. **Human and action recognition using adaptive energy images**  
KURBAN O. C., ÇALIK N., YILDIRIM T.  
PATTERN RECOGNITION, vol.127, 2022 (SCI-Expanded)
- VI. **Advances on innovative issues in intelligent systems and applications**  
YILDIRIM T., Ivanovic M., Bellatreche L.  
CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.34, no.14, 2022 (SCI-Expanded)
- VII. **Artificial intelligence-based design optimization of nonuniform microstrip line band pass filter**  
Mahouti T., YILDIRIM T., KUŞKONMAZ N.  
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.34, no.6, 2021 (SCI-Expanded)
- VIII. **Blood glucose prediction with deep neural networks using weighted decision level fusion**  
DÜDÜKÇÜ H. V., TAŞKIRAN M., YILDIRIM T.

- BIOCYBERNETICS AND BIOMEDICAL ENGINEERING, vol.41, no.3, pp.1208-1223, 2021 (SCI-Expanded)
- IX. A Comprehensive Survey of Databases and Deep Learning Methods for Cybersecurity and Intrusion Detection Systems**  
 Gümüşbaş D., Yıldırım T., Genovese A., Scotti F.  
 IEEE SYSTEMS JOURNAL, vol.15, no.2, pp.1717-1731, 2021 (SCI-Expanded)
- X. A hybrid approach based on multiple Eigenvalues selection (MES) for the automated grading of a brain tumor using MRI**  
 Al-Saffar Z. A., YILDIRIM T.  
 COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.201, 2021 (SCI-Expanded)
- XI. A Novel Approach to Improving Brain Image Classification Using Mutual Information-Accelerated Singular Value Decomposition**  
 Al-Saffar Z. A., YILDIRIM T.  
 IEEE ACCESS, vol.8, pp.52575-52587, 2020 (SCI-Expanded)
- XII. Large-scale offline signature recognition via deep neural networks and feature embedding**  
 Çalık N., Kurban O. C., Yilmaz A. R., Yıldırım T., Durak Ata L.  
 Neurocomputing, vol.359, pp.1-14, 2019 (SCI-Expanded)
- XIII. Daily Motion Recognition System by a Triaxial Accelerometer Usable in Different Positions**  
 Kurban O. C., YILDIRIM T.  
 IEEE SENSORS JOURNAL, vol.19, no.17, pp.7543-7552, 2019 (SCI-Expanded)
- XIV. Overcoming “Big Data” Barriers in Machine Learning Techniques for the Real-Life Applications**  
 Czarnowski I., Jedrzejowicz P., Chao K., YILDIRIM T.  
 Complexity, vol.2018, pp.1-3, 2018 (SCI-Expanded)
- XV. Enhanced LPI Waveform Representation by Ambiguity-Domain Elliptical Gaussian Filtering**  
 GULUM T. O., ERDOGAN A. Y., Ata L. D., Yildirim T., PACE P. E.  
 IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.53, no.2, pp.762-777, 2017 (SCI-Expanded)
- XVI. FMCW Signal Detection and Parameter Extraction by Cross Wigner-Hough Transform**  
 ERDOGAN A. Y., GULUM T. O., Durak-Ata L., YILDIRIM T., Pace P. E.  
 IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.53, no.1, pp.334-344, 2017 (SCI-Expanded)
- XVII. Process independent automated sizing methodology for current steering DAC**  
 Vural R., Kahraman N., Erkmen B., Yıldırım T.  
 INTERNATIONAL JOURNAL OF ELECTRONICS, vol.102, no.10, pp.1713-1734, 2015 (SCI-Expanded)
- XVIII. New statistical features for the design of fiber optic statistical mode sensors**  
 Efendioglu H. S., YILDIRIM T., Toker O., Fidanboylu K.  
 OPTICAL FIBER TECHNOLOGY, vol.19, no.4, pp.279-284, 2013 (SCI-Expanded)
- XIX. A Mixed Mode Neural Network Circuitry for Object Recognition Application**  
 Erkmen B., Vural R., Kahraman N., Yıldırım T.  
 CIRCUITS SYSTEMS AND SIGNAL PROCESSING, vol.32, no.1, pp.29-46, 2013 (SCI-Expanded)
- XX. Analog active filter component selection with nature inspired metaheuristics**  
 Vural R., Bozkurt U., YILDIRIM T.  
 AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.67, no.3, pp.197-205, 2013 (SCI-Expanded)
- XXI. Guest editorial**  
 Yıldırım T., Yüksel M. E.  
 Turkish Journal of Electrical Engineering and Computer Sciences, vol.20, no.2, 2012 (SCI-Expanded)
- XXII. Performance Evaluation of Evolutionary Algorithms for Optimal Filter Design**  
 Vural R., YILDIRIM T., Kadioglu T., Basargan A.  
 IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION, vol.16, no.1, pp.135-147, 2012 (SCI-Expanded)
- XXIII. Analog circuit sizing via swarm intelligence**  
 Vural R., YILDIRIM T.  
 AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.66, no.9, pp.732-740, 2012 (SCI-Expanded)

- XXIV. **Segmentation of Hyperspectral Images via Subtractive Clustering and Cluster Validation Using One-Class Support Vector Machines**  
BİLGİN G., ERTÜRK S., YILDIRIM T.  
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, vol.49, no.8, pp.2936-2944, 2011 (SCI-Expanded)
- XXV. **Investigation of particle swarm optimization for switching characterization of inverter design**  
Vural R., DER O., YILDIRIM T.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.5, pp.5696-5703, 2011 (SCI-Expanded)
- XXVI. **ROC Analysis as a Useful Tool for Performance Evaluation of Artificial Neural Networks**  
Tokan F., Yıldırım T., Türker Tokan N.  
LECTURE NOTES IN ARTIFICIAL INTELLIGENCE, vol.4132, pp.923-931, 2010 (SCI-Expanded)
- XXVII. **Particle swarm optimization based inverter design considering transient performance**  
Vural R., DER O., YILDIRIM T.  
DIGITAL SIGNAL PROCESSING, vol.20, no.4, pp.1215-1220, 2010 (SCI-Expanded)
- XXVIII. **FPGA implementation of a General Regression Neural Network: An embedded pattern classification system**  
Polat O., Yıldırım T.  
DIGITAL SIGNAL PROCESSING, vol.20, no.3, pp.881-886, 2010 (SCI-Expanded)
- XXIX. **Conic Section Function Neural Network Circuitry for Offline Signature Recognition**  
Erkmen B., Kahraman N., Vural R., Yıldırım T.  
IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.21, no.4, pp.667-672, 2010 (SCI-Expanded)
- XXX. **Prediction of Force Measurements of a Microbend Sensor Based on an Artificial Neural Network**  
Efendioglu H. S., YILDIRIM T., Fidanboylu K.  
SENSORS, vol.9, no.9, pp.7167-7176, 2009 (SCI-Expanded)
- XXXI. **Technology independent circuit sizing for standard cell based design using neural networks**  
KAHRAMAN N., YILDIRIM T.  
DIGITAL SIGNAL PROCESSING, vol.19, no.4, pp.708-714, 2009 (SCI-Expanded)
- XXXII. **THRESHOLD VOLTAGE MODELING USING NEURAL NETWORKS**  
Kahraman N., Erkmen B., Yıldırım T.  
NEURAL NETWORK WORLD, vol.19, no.3, pp.255-262, 2009 (SCI-Expanded)
- XXXIII. **Unsupervised Classification of Hyperspectral-Image Data Using Fuzzy Approaches That Spatially Exploit Membership Relations**  
Bilgin G., ERTÜRK S., Yıldırım T.  
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.5, no.4, pp.673-677, 2008 (SCI-Expanded)
- XXXIV. **Improving classification performance of sonar targets by applying general regression neural network with PCA**  
Erkmen B., Yıldırım T.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.35, pp.472-475, 2008 (SCI-Expanded)
- XXXV. **Genetic optimization of GRNN for pattern recognition without feature extraction**  
Polat O., Yıldırım T.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.34, no.4, pp.2444-2448, 2008 (SCI-Expanded)
- XXXVI. **Hand geometry identification without feature extraction by general regression neural network**  
Polat O., Yıldırım T.  
EXPERT SYSTEMS WITH APPLICATIONS, vol.34, no.2, pp.845-849, 2008 (SCI-Expanded)
- XXXVII. **Statistical neural network based classifiers for letter recognition**  
Erkmen B., Yıldırım T.  
Lecture Notes in Control and Information Sciences, vol.345, pp.1081-1086, 2006 (SCI-Expanded)
- XXXVIII. **Conic section function neural networks for sonar target classification and performance evaluation using ROC analysis**  
Erkmen B., Yıldırım T.  
Lecture Notes in Control and Information Sciences, vol.345, pp.779-784, 2006 (SCI-Expanded)
- XXXIX. **Pattern recognition without feature extraction using probabilistic neural network**

- Polat Ö., Yıldırım T.  
Lecture Notes in Control and Information Sciences, vol.345, pp.402-409, 2006 (SCI-Expanded)
- XL.** **Artificial Neural Design of Microstrip Antennas**  
Türker Tokan N., Güneş F., Yıldırım T.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.1, pp.1-6, 2006 (SCI-Expanded)
- XLI.** **Artificial neural design of microstrip antennas**  
TÜRKER TOKAN N., GÜNEŞ F., YILDIRIM T.  
Turkish Journal of Electrical Engineering & Computer Sciences, 2006 (SCI-Expanded)
- XLII.** **Neural Network Based MOS Transistor Geometry Decision for TSMC 0 18 Process Technology**  
Mutlu A., YILDIRIM T.  
Lecture Notes in Computer Science, 2006 (SCI-Expanded)
- XLIII.** **Statistical neural network based classifiers for letter recognition**  
ERKMEN B., YILDIRIM T.  
INTELLIGENT COMPUTING IN SIGNAL PROCESSING AND PATTERN RECOGNITION, vol.345, pp.1081-1086, 2006 (SCI-Expanded)
- XLIV.** **A Comparative Study on Computerised Diagnostic Performance of Hepatitis Disease Using ANNs**  
ACAR VURAL R., ÖZYILMAZ L., YILDIRIM T.  
Lecture Notes in Artificial Intelligence, 2006 (SCI-Expanded)
- XLV.** **Comparative study on computerised diagnostic performance of hepatitis disease using ANNs**  
Vural R., Ozylmaz L., Yildirim T.  
COMPUTATIONAL INTELLIGENCE, PT 2, PROCEEDINGS, vol.4114, pp.1177-1182, 2006 (SCI-Expanded)
- XLVI.** **Neural network based MOSFET channel length and width decision method for analogue integrated circuits**  
Avci M., Babaç M. Y., Yildirim T.  
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.92, no.5, pp.281-293, 2005 (SCI-Expanded)
- XLVII.** **Signature verification using conic section function neural network**  
Senol C., YILDIRIM T.  
COMPUTER AND INFORMATION SCIENCES - ISCIS 2005, PROCEEDINGS, vol.3733, pp.524-532, 2005 (SCI-Expanded)
- XLVIII.** **Active learning for probabilistic neural networks**  
BOLAT B., Yıldırım T.  
ADVANCES IN NATURAL COMPUTATION, PT 1, PROCEEDINGS, vol.3610, pp.110-118, 2005 (SCI-Expanded)
- XLIX.** **ROC analysis for fetal hypoxia problem by artificial neural networks**  
ÖZYILMAZ L., YILDIRIM T.  
Lecture Notes in Artificial Intelligence, 2004 (SCI-Expanded)
- L.** **General design method for complementary pass transistor logic circuits**  
avci m., YILDIRIM T.  
Electronics Letters, 2003 (SCI-Expanded)
- LI.** **Optimization of the deflection basin by genetic algorithm and neural network approach**  
Terzi S., Saltan M., YILDIRIM T.  
Lecture Notes in Computer Science, 2003 (SCI-Expanded)
- LII.** **Reduction of complexity in conic section function neural network**  
ÖZYILMAZ L., YILDIRIM T.  
KYBERNETES, vol.32, pp.540-547, 2003 (SCI-Expanded)
- LIII.** **Dimensionality reduction in conic section function neural network**  
YILDIRIM T., ÖZYILMAZ L.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.27, pp.675-683, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. INISTA 2023 Committee Message**  
Badica C., Bellatreche L., Chbeir R., YILDIRIM T.  
17th International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2023 - Proceedings, 2023 (Scopus)
- II. Bluetooth Low Energy-based Indoor Localization using Artificial Intelligence**  
Yıldırım T., Ndebugre M. Y.  
The European Journal of Research and Development, vol.2, no.3, pp.1-15, 2022 (Peer-Reviewed Journal)
- III. Speaker Accent Recognition Using MFCC Feature Extraction and Machine Learning Algorithms**  
AYRANCI A. A., ATAY S., YILDIRIM T.  
International Journal of Advances in Engineering and Pure Sciences, vol.33, pp.17-27, 2021 (Peer-Reviewed Journal)
- IV. Preface**  
Ivanovic M., YILDIRIM T., Trajcevski G.  
INISTA 2020 - 2020 International Conference on INnovations in Intelligent SysTems and Applications, Proceedings, 2020 (Scopus)
- V. A swot analysis to raise awareness about cyber security and proper use of social media: Istanbul sample**  
TOSUN N., ALTINÖZ M., ÇAY E., ÇINKILIÇ T., GÜLSEÇEN S., YILDIRIM T., AYDIN M. A., METİN B., AYVAZ REİS Z., ÜNLÜ N.  
International Journal of Curriculum and Instruction, vol.12, pp.271-294, 2020 (Peer-Reviewed Journal)
- VI. Offline Signature Identification and Verification Based on Capsule Representations**  
Gumusbas D., YILDIRIM T.  
CYBERNETICS AND INFORMATION TECHNOLOGIES, vol.20, no.5, pp.60-67, 2020 (ESCI)
- VII. Preface**  
Piuri V., Yildirim T., Koprinkova-Hristova P.  
IEEE International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2019 - Proceedings, 2019 (Scopus)
- VIII. Message from the Chairs**  
ÇETİN A., Yildirim T.  
7th International Istanbul Smart Grids and Cities Congress and Fair, ICSG 2019 - Proceedings, pp.5, 2019 (Scopus)
- IX. Görüntü İşleme Ve YSA Kullanarak Araç Jantları Paketlenmesinin Hatasızlaştırılması**  
Gökay G., YILDIRIM T.  
Akıllı Sistemler ve Uygulamaları Dergisi, 2018 (Peer-Reviewed Journal)
- X. Preface**  
Ozyildirim B. M., Yildirim T.  
Proceedings - 2018 Innovations in Intelligent Systems and Applications Conference, ASYU 2018, 2018 (Scopus)
- XI. Neural Networks Applications in WLANs for Performance Enhancement: a Survey and Framework**  
YILDIRIM T., Govore T. G.  
International Journal of Advanced Science and Engineering, vol.5, pp.917, 2018 (Peer-Reviewed Journal)
- XII. Preface**  
Jedrzejowicz P., Yildirim T., Czarnowski I.  
Proceedings - 2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2017, 2017 (Scopus)
- XIII. Noninvasive Glucose Measurement for Diabetes Mellitus Patients**  
Dündükü H. V., Yıldırım T.  
Current Trends in Biomedical Engineering Biosciences, vol.2, pp.1-3, 2017 (Peer-Reviewed Journal)
- XIV. Welcome message**  
Camacho D., YILDIRIM T., Nguyen N. T., Badica C., Salcedo S.  
INISTA 2015 - 2015 International Symposium on Innovations in Intelligent SysTems and Applications, Proceedings, 2015 (Scopus)
- XV. Fuzzy Neural Networks for Medical Diagnosis**

- Canan S., Yıldırım T.  
International Journal of Reasoning-based Intelligent Systems, vol.2, pp.265-274, 2010 (Scopus)
- XVI. **Message from the Chairs**  
Micheli-Tzanakou E., Kaynak O., Demidenko S., Ruspini E., Scotti F., YILDIRIM T.  
CIMSA 2008 - IEEE Conference on Computational Intelligence for Measurement Systems and Applications Proceedings, 2008 (Scopus)
- XVII. **Artificial Neural Networks Applied to the Design of Microstrip Antennas**  
Türker Tokan N., Güneş F., Yıldırım T.  
MICROWAVE REVIEW, vol.12, pp.10-14, 2006 (Scopus)
- XVIII. **Breast cancer diagnosis using statistical neural networks**  
KIYAN T., YILDIRIM T.  
Istanbul University - Journal of Electrical & Electronics Engineering,, 2004 (Peer-Reviewed Journal)
- XIX. **Complementary pass transistor logic synthesis with 123 decision diagram**  
AVCI M., YILDIRIM T.  
Istanbul University - Journal of Electrical & Electronics Engineering,, 2004 (Peer-Reviewed Journal)
- XX. **Determination of Approximate Main Engine Power for Chemical Cargo Ships Using Radial Basis Function Neural Network**  
Erkmen B., Çelebi U. B., Ekinci S., Yıldırım T.  
Journal of Naval Science and Engineering, no.2, pp.105-115, 2004 (Peer-Reviewed Journal)
- XXI. **A data selection method for Probabilistic Neural Networks**  
Bolat B., Yıldırım T.  
Istanbul University - Journal of Electrical & Electronics Engineering, vol.4, no.2, pp.1137-1140, 2004 (Peer-Reviewed Journal)
- XXII. **Performance Increasing Methods for Probabilistic Neural Networks**  
Bolat B., Yıldırım T.  
Pakistan Journal of Information & Technology, vol.2, no.3, pp.250-255, 2003 (Peer-Reviewed Journal)
- XXIII. **Comparison of neural algorithms for function approximation**  
Özyılmaz L., Yıldırım T., Köklü K.  
Pakistan Journal of Applied Sciences, vol.2, no.3, pp.288-294, 2002 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Privacy-Preserving Mechanisms with Explainability in Assistive AI Technologies**  
MÜFTÜOĞLU Z., KIZRAK M. A., YILDIRIM T.  
in: Advances in Assistive Technologies. Learning and Analytics in Intelligent Systems, Tsirrintzis G.A., Virvou M., Esposito A., Jain L.C., Editor, Springer, pp.287-309, 2022
- II. **AI for Cybersecurity: ML-Based Techniques for Intrusion Detection Systems**  
GÜMÜŞBAŞ D., YILDIRIM T.  
in: Advances in Machine Learning/Deep Learning-based Technologies. Learning and Analytics in Intelligent Systems, Tsirrintzis G.A., Virvou M., Jain L.C., Editor, Springer, pp.117-140, 2022
- III. **Changes in Human Resources Management with Artificial Intelligence**  
KAMBUR E., YILDIRIM T.  
in: Handbook on Artificial Intelligence-Empowered Applied Software Engineering: VOL. 2: Smart Software Applications in Cyber-Physical Systems, , Editor, Springer, pp.89-102, 2022
- IV. **Data sharing and privacy issues arising with COVID-19 data and applications**  
MÜFTÜOĞLU Z., KIZRAK M. A., YILDIRIM T.  
in: Data Science for COVID-19 Volume Two: Societal and Medical Perspectives, Utku Kose, Deepak Gupta, Victor Hugo Costa de Albuquerque, Ashish Khanna, Editor, Elsevier-Academic Press, pp.61-75, 2022
- V. **Limitations and Challenges on the Diagnosis of COVID-19 Using Radiology Images and Deep Learning**  
KIZRAK M. A., MÜFTÜOĞLU Z., YILDIRIM T.

- in: Data Science for COVID-19 Volume One: Computational Perspectives, Utku Kose, Deepak Gupta, Victor Hugo C. de Albuquerque, Ashish Khanna, Editor, Elsevier, pp.91-115, 2021
- VI. CSFNN Synapse and Neuron Design using Current Mode Analog Circuitry**  
Erkmen B., Yıldırım T.  
in: Lecture Notes in Computer Science, Bruno Apolloni, Robert J. Howlett, Lakhmi Jain, Editor, Springer, London/Berlin , Zürich, pp.17-25, 2007
- VII. Genetic Optimizations for Radial Basis Function and General Regression Neural Networks**  
Yazıcı G., Polat Ö., Yıldırım T.  
in: Lecture Notes in Computer Science, Gelbukh A., Reyes-Garcia C.A., Editor, Springer, London/Berlin , Berlin, pp.348-356, 2006
- VIII. A unified framework for connectionist models**  
Yıldırım T., Marsland J. S.  
in: In Perspectives in Neural Computing Connectionist Representations, J. A. Bullinaria, D. W. Glasspool and G. Houghton, Editor, Springer, London/Berlin , London, pp.26-39, 1997

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

- I. Classification of Solder Quality in Through-Hole Devices by Convolutional Neural Networks  
Evrimsel Sinir Ağları ile Through-Hole Cihazlarda Lehim Kalitesinin Siniflandırılması**  
Sarıgül N., YILDIRIM T.  
2022 Innovations in Intelligent Systems and Applications Conference, ASYU 2022, Antalya, Turkey, 7 - 09 September 2022
- II. Consolidated or individual training: Which one is better for blood glucose prediction?**  
DÜDÜKÇÜ H. V., TAŞKIRAN M., YILDIRIM T.  
2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 25 August 2021
- III. Investigation of Absorption Performance of Frequency Selective Surfaces in Simulation Programs**  
ISIK H. M., YILDIRIM T.  
Global Conference on Engineering Research GLOBCON'21, 02 May 2021
- IV. Cyber physical systems: From information society to super smart society  
Siber Fiziksel Sistemler: Bilgi Toplumundan Süper Akıllı Topluma Doğru**  
YILDIRIM T.  
12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.266-269
- V. Tuning Cascade PID Controller for Valves Using optimization Methods**  
GÜREL Y., YILDIRIM T.  
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 October 2020
- VI. Speaker Accent Recognition Using Machine Learning Algorithms**  
AYRANCI A. A., ATAY S., YILDIRIM T.  
2020 Innovations in Intelligent Systems and Applications Conference (ASYU), İstanbul, Turkey, 15 October 2020
- VII. Split Feature Model For Adversarial Condition**  
KARSU İ., YILDIRIM T.  
2020 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Novi-Sad, Serbia, 24 August 2020
- VIII. Differential Privacy Practice on Diagnosis of COVID-19 Radiology Imaging Using EfficientNet**  
MÜFTÜOĞLU Z., KIZRAK M., YILDIRIM T.  
2020 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Novi-Sad, Serbia, 24 August 2020
- IX. Society 5.0, Cyber-Physical Systems and Healthcare**  
Yıldırım T.  
4th Global Conference on Computing & Media Technology (GCMT2020), Kuala-Lumpur, Malaysia, 15 July

2020

- X. **Transfer Function Optimization for Band-Pass and Band-Stop Filters**  
Ayten T. S., YILDIRIM T.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, 31 October - 02 November 2019
- XI. **Depo Yönetim Sistemi Probleminin Ateşböceği Algoritması ile Çözümü Storage Management System Problem and Firefly Algorithm Solution**  
ATAS K., YILDIRIM T.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, 31 October - 02 November 2019
- XII. **Modelling of Non-Planar Microstrip Lines via Artificial Neural Networks**  
Mahouti T., Kuskonmaz N., YILDIRIM T.  
2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Izmir, Turkey, 31 October - 02 November 2019
- XIII. **Capsule Network for Finger-Vein-based Biometric Identification**  
GÜMÜŞBAŞ D., YILDIRIM T., KOCAKULAK M., ACIR N.  
2019 IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2019), 6 - 09 December 2019
- XIV. **Single channel potentiostat for electroanalytical applications**  
Alibek M., YILDIRIM T.  
7th International Conference on Nanomaterials and Advanced Energy Storage Systems (INESS-2019), 7 - 09 August 2019
- XV. **Improving Turkish Telephone Speech Recognition with Data Augmentation and Out of Domain Data**  
Uslu Z. G., YILDIRIM T.  
2019 16th International Multi-Conference on Systems, Signals Devices (SSD), Istanbul, Turkey, 21 - 24 March 2019
- XVI. **Düzlemsel olmayan mikroşerit iletim hatlarının yapay sinir ağları ile modellenmesi.**  
Kuşkonmaz N., Yıldırım T., Mahouti T.  
ASYU 2019 Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı, İzmir, Turkey, 31 October - 02 November 2019, vol.1, pp.199-204
- XVII. **Intelligent methods on increasing the quality of higher education**  
Mercimek M., Yıldırım T.  
International Conference on Innovation in Higher Education (IJIHE), Kyiv, Ukraine, 16 - 19 May 2003, pp.1-4
- XVIII. **Adversarial Nuclei Segmentation on HE Stained Histopathology Images**  
KOYUN O. C., YILDIRIM T.  
2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Sofia, Bulgaria, 3 - 05 July 2019
- XIX. **Offline Signature Identification and Verification Using Capsule Network**  
Gumusbas D., YILDIRIM T.  
2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Sofia, Bulgaria, 3 - 05 July 2019
- XX. **Painter Classification Over the Novel Art Painting Data Set via The Latest Deep Neural Networks**  
Kelek M. O., ÇALIK N., YILDIRIM T.  
9th Annual International Conference of Information and Communication Technology ICICT 2019, 11 - 13 January 2019, vol.154, pp.369-376
- XXI. **Modeling and Simulation of Turret Stabilization with Intelligent Algorithms**  
Ceceloglu A. C., YILDIRIM T.  
9th International Congress of Information and Communication Technology (ICICT -2019, 11 - 13 January 2019, vol.154, pp.377-382
- XXII. **Comparative Analysis of Crypto Systems Using Biometric Key**  
Müftüoğlu Z., YILDIRIM T.  
9th Annual International Conference of Information and Communication Technology ICICT 2019, 11 - 13 January 2019, vol.154, pp.327-331

- XXIII. Obtaining Brachistochrone Curve with Metaheuristic Algorithms**  
Güçkiran K., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018
- XXIV. Simplified Visual Cortex Model for Pattern Recognition**  
Çevikbaş C., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018
- XXV. The Effect of Convolutional Neural Network Parameters on Sign Language Recognition**  
Savaş O. O., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications Conference (ASYU), Adana, Turkey, 4 - 06 October 2018
- XXVI. An Optimized Clustering Approach for Tumor Segmentation Using Local Difference of Intensity Level in MR Brain Images**  
Al Saffar Z. A., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications (INISTA), Thessaloniki, Greece, 3 - 05 July 2018
- XXVII. Speaker Dependent Voice Controlled Robotic Arm**  
Aritürk M. K., Akçınar D., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications (INISTA), Thessaloniki, Greece, 3 - 05 July 2018
- XXVIII. Motion-Controlled Virtual Reality Robotic Arm With Kinect**  
Uğur M., Demir T., YILDIRIM T.  
2018 Innovations in Intelligent Systems and Applications (INISTA), Thessaloniki, Greece, 3 - 05 July 2018
- XXIX. Recognition of sign language using capsule networks Kapsül Aglari ile Isaret Dili Tanıma**  
BESER F., KIZRAK M. A., BOLAT B., YILDIRIM T.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XXX. Colregs based path planning and bearing only obstacle avoidance for autonomous unmanned surface vehicles**  
Beser F., YILDIRIM T.  
8th International Congress of Information and Communication Technology, ICICT 2018, Xiamen, China, 27 - 28 January 2018, vol.131, pp.633-640
- XXXI. Assessment of components and methods used to identify responses and regions of brain related with face recognition and perception**  
Özkaya Ş. N., YILDIRIM T.  
8th International Congress of Information and Communication Technology, ICICT 2018, Xiamen, China, 27 - 28 January 2018, vol.131, pp.38-41
- XXXII. From Neural Communication to Intelligent Networks**  
YILDIRIM T.  
ITelcon 2017, 28 - 29 December 2017
- XXXIII. Assessment of Optical Detection Methods for Compact Biosensors**  
EFE O., YILDIRIM T.  
Medical Technologies National Congress (TIPTEKNO'17), 12 - 14 October 2017
- XXXIV. A multi-biometric recognition system based on deep features of face and gesture energy image**  
KURBAN O. C., YILDIRIM T., BİLGİÇ A.  
2017 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), 3 - 05 July 2017
- XXXV. Face recognition classifier based on dimension reduction in deep learning properties**  
BİLGİÇ A., KURBAN O. C., YILDIRIM T.  
2017 25th Signal Processing and Communications Applications Conference (SIU), 15 - 18 May 2017
- XXXVI. Signature Recognition Application Based on DeepLearning**  
ÇALIK N., KURBAN O. C., YILMAZ A. R., DURAK ATA L., YILDIRIM T.  
25th Signal Processing and Communications Applications Conference (SIU), 15 - 18 May 2017
- XXXVII. DeRİN Öğrenme Tabanlı İmza Tanıma Uygulaması**  
ÇALIK N., KURBAN O. C., YILMAZ A. R., YILDIRIM T., DURAK ATA L.

25. Sinyal İşleme Uygulamaları, Antalya, Turkey, 15 May 2017, pp.1-4
- XXXVIII. **Channel estimation by using ANN in DF based cooperative communication system**  
Karabulut M. A., Çukur H., İlhan H., Yıldırım T.  
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO 2016), Bursa, Turkey, 01 December 2016 - 03 December 2017, pp.590-593
- XXXIX. **Wrist vein recognition by ordinary camera using Phase-Based correspondence matching**  
Niyaz Ö., Çam Z. G., Yıldırım T.  
2017 IASTED International Conference on Modelling, Identification and Control, MIC 2017, Innsbruck, Austria, 20 - 21 February 2017, vol.848, pp.89-93
- XL. **Neural network based wrist vein identification using ordinary camera**  
Kurban O. C., Niyaz Ö., Yıldırım T.  
2016 International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Brasov, Romania, 2 - 05 August 2016
- XLI. **Implementation Aspects of Wigner-Hough Transform Based Detectors for LFMCW Signals**  
GUNER K. K., ERKMEN B., GULUM T. O., ERDOĞAN A., YILDIRIM T., ATA L. D.  
39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.441-444
- XLII. **İşaretlerinin Kestirimi için Wigner Hough Dönüşümünün Donanım Uygulamasına Yönelik İyileştirilmesi**  
güner k., ERKMEN B., gülüm t., Erdogan A., YILDIRIM T., DURAK ATA L.  
Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 16 - 19 May 2015
- XLIII. **Improving Wigner Hough Transform for hardware implementation to intercept LFMCW signals**  
GÜNER K. K., ERKMEN B., GULUM T., ERDOĞAN Y., YILDIRIM T., DURAK ATA L.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Turkey, 16 - 19 May 2015
- XLIV. **Çok Katmanlı Algılayıcı Ağının Eğitim Parametrelerinin Yapay Arı Kolonisi ve Genetik Algoritma ile Optimizasyonu**  
ÇAM Z. G., Kartcı A., YILDIRIM T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları (ASYU) Sempozyumu, İzmir, Turkey, 9 - 10 October 2014, pp.73-76
- XLV. **Learning Parameter Optimization of Multi-Layer Perceptron Using Artificial Bee Colony, Genetic Algorithm and Particle Swarm Optimization**  
Çam Z. G., Cimen S., Yıldırım T.  
IEEE 13th International Symposium on Applied Machine Intelligence and Informatics (SAMI), Herl'any, Slovakia, 22 - 24 January 2015, pp.329-332
- XLVI. **PSO Algoritması ile Çok Katmanlı Algılayıcı Ağ Mimarisinin Belirlenmesi**  
ÇALIŞKAN A., ÇİMEN S., YILDIRIM T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 9 - 10 October 2014
- XLVII. **Digital Chirp Rate Adaptation for Increased FMCW Interception Performance in Hough Based Transforms**  
Gülüm T. Ö., DURAK ATA L., Yıldırım T., Pace P. E.  
International Radar Conference, 01 October 2014
- XLVIII. **PWVD Resolution Considerations for LFMCW Signal Detection by WHT**  
Erdoğan A. Y., Güner K. K., DURAK ATA L., Yıldırım T., Pace P. E.  
01 June 2014
- XLIX. **Technology Independent Automated Sizing Methodology Based on Artificial Neural Networks: An Application to CMOS OPAMP Design**  
KAHRAMAN N., YILDIRIM T.  
2014 International Conference on Computational Science and Computational Intelligence, 10 - 13 March 2014
- L. **A Neural Network Based Design Automation of a Second Generation Current Conveyor**  
KAHRAMAN N., YILDIRIM T.  
2014 International Conference on Computational Science and Computational Intelligence, 10 - 13 March 2014

- L.I. **Wigner-Hough Dönüşümüyle FMSD Kestirimi Eniyileme İçin Dijital Çivit Oranı Uyarlama Metodu**  
Gülüm T. Ö., DURAK ATA L., Yıldırım T.  
01 April 2014
- L.II. **Digital chirp rate adaptation for increased FMCW interception performance in Hough based transforms**  
ERDOĞAN A., Gulum T. O., Durak Ata L., YILDIRIM T., Pace P. E.  
2014 International Radar Conference, Radar 2014, Lille, France, 13 - 17 October 2014
- L.III. **Neural network based daily activity recognition without feature extraction Özellik çıkarımı olmadan sinirsel ağ tabanlı günlük aktivite tespiti**  
KURBAN O. C., YILDIRIM T.  
2014 22nd Signal Processing and Communications Applications Conference, SIU 2014, Trabzon, Turkey, 23 - 25 April 2014, pp.567-570
- L.IV. **Digital Chirp Rate Adaptation for Optimum FMCW Interception Using Wigner-Hough Transform**  
ERDOĞAN A., Gulum T. O., Durak-Ata L., YILDIRIM T.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1179-1182
- L.V. **Classification of Normal and Abnormal Lung Sounds Using Wavelet Coefficients**  
UYDAL S., UYSAL H., BOLAT B., YILDIRIM T.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2138-2141
- L.VI. **Metaheuristics Based CMOS Two-Stage Comparator Optimization**  
ACAR VURAL R., BOZKURT U., YILDIRIM T.  
World Congress on Engineering and Computer Science 2013, California, United States Of America, 23 October 2013, vol.2, pp.1-6
- L.VII. **CMOS Differential Amplifier Area Optimization with Evolutionary Algorithms**  
ACAR VURAL R., ERKMEN B., BOZKURT U., YILDIRIM T.  
The World Congress on Engineering and Computer Science (WCECS), San-Francisco, United States Of America, 23 - 25 October 2013, vol.2, pp.666-670
- L.VIII. **Digit recognition in a simplified visual cortex model**  
I Can C., YILDIRIM T.  
2013 IEEE INISTA, Albena, Bulgaria, 19 - 21 June 2013
- L.IX. **Elliptic Gaussian filtering for Time Frequency signal analysis**  
Taylan O G., AYasin E., Lutfiye D., YILDIRIM T., Phillip E P.  
2013 IEEE Radar Conference (RadarCon13), Ottawa, ON, Canada, 29 April - 03 May 2013
- L.X. **Defining the effective threshold using modified wigner hough transform in FMCW signal detection**  
Erdoğan A., Gülüm T., DURAK ATA L., YILDIRIM T.  
IEEE 21. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 24 - 26 April 2013
- LXI. **Neural network based footprint identification without feature extraction**  
KURBAN O. C., YILDIRIM T., BAŞARAN E.  
IEEE 21. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 24 - 26 April 2013
- LXII. **Wigner Hough Dönüşümüyle FMSD Kestirimi Eniyileme İçin Dijital Çivit Oranı Uyarlama Metodu**  
Erdoğan A., Gülüm T., DURAK ATA L., YILDIRIM T.  
IEEE 22. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 23 - 25 April 2013
- LXIII. **Sağlıklı ve Sağlıksız Akciğer Seslerinin Dalgacık Katsayıları Kullanılarak Sınıflandırılması**  
UYDAL S., UYSAL H., BOLAT B., YILDIRIM T.  
IEEE 22. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 23 - 25 April 2013
- LXIV. **Özellik Çıkarımı Olmadan Sinirsel Ağ Tabanlı Günlük Aktivite Tespiti**  
KURBAN O. C., YILDIRIM T.  
IEEE 22. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 23 - 25 April 2013
- LXV. **Intelligent fiber optic statistical mode sensors using novel features and artificial neural networks**  
EFENDİOĞLU H., TOKER O., YILDIRIM T.

- Smart Structures/NDE 2013, 24 April 2013
- LXVI. **Elliptic Gaussian filtering for time-frequency analysis**  
Erdoğan A. Y., DURAK ATA L., Yıldırım T., Pace P. E.  
IEEE, 01 April 2013
- LXVII. **İyileştirilmiş Wigner-Hough Dönüşümü ile FMSD İşaretlerinin Tespitinde Etkin Eşik Değer Belirleme**  
Gülüm T. Ö., DURAK ATA L., Yıldırım T., Pace P. E.  
IEEE 21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU'2013), 01 April 2013
- LXVIII. **Defining the Effective Threshold using Modified Wigner-Hough Transform in FMCW-Signal Detection**  
Gülüm T. Ö., DURAK ATA L., Yıldırım T., Pace P. E.  
01 April 2013
- LXIX. **Kalp Damar Tıkanıklığı Oranının Aktif Öğrenme Metotları ile Saptanması**  
OCAK M., YILDIRIM T., DURAN M.  
TIPTEKNO'12, Turkey, 1 - 03 November 2012
- LXX. **An edge detection technique using hybrid ant colony optimization-genetic algorithm Hibrid karınca kolonisi optimizasyonu- genetik algoritma kullanarak kenar belirleme tekniği**  
Gulum T. O., Erdogan A. Y., YILDIRIM T.  
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- LXXI. **Design of intelligent fiber optic statistical mode sensors using novel features and artificial neural networks**  
H S E., YILDIRIM T., TOKER O., FİDANBOYLU K.  
2012 International Symposium on Innovations in Intelligent Systems and Applications, Trabzon, Turkey, 2 - 04 July 2012
- LXXII. **Automatic Decryption of Images through Artificial Neural Networks**  
UYDAL H., UYSAL S., YILDIRIM T.  
Trends in Innovative Computing, Kochi, India, 22 May 2012, pp.187-191
- LXXIII. **A parameter extraction technique for FMCW radar signals using Wigner Hough Radon transform**  
T O G., A Y E., YILDIRIM T., P E P.  
2012 IEEE Radar Conference, Atlanta, GA, 7 - 11 May 2012
- LXXIV. **Hibrid Karınca Kolonisi Optimizasyonu Genetik Algoritma Kullanarak Kenar Belirleme Tekniği**  
GÜLÜM T., ERDOĞAN A., YILDIRIM T.  
IEEE 20. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 18 - 20 April 2012
- LXXV. **Low-pass Filter Approximation with Evolutionary Techniques**  
ACAR VURAL R., Yıldırım T.  
7th International Conference on Electrical and Electronics Engineering (ELECO'2011), Bursa, Turkey, 01 December 2011, pp.125-129
- LXXVI. **Low-pass filter approximation with evolutionary techniques**  
Ayten U. E., Vural R. A., Yıldırım T.  
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011
- LXXVII. **High Performance 8 Bit Multiplexer Based Multiplier Design Using Mos Current Mode Logic**  
DELİCAN Y., YILDIRIM T.  
7th International Conference on Electrical and Electronics Engineering (ELECO'2011), Turkey, 1 - 04 December 2011
- LXXVIII. **Evolutionary Algorithms Based RBF Neural Networks for Parkinson's Disease Diagnosis**  
DELİCAN Y., ÖZYILMAZ L., YILDIRIM T.  
7th International Conference on Electrical and Electronics Engineering (ELECO'2011), 1 - 04 December 2011
- LXXIX. **Design of Hetero core Smart Fiber Optic Macrobend Sensors**  
HS e., YILDIRIM T., FİDANBOYLU K.  
ELECO 2011 7th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 1 - 04 December 2011

- LXXX. **Low pass Filter Approximation with Evolutionary Techniques**  
AYTEN U. E., ACAR VURAL R., YILDIRIM T.  
7th International Conference on Electrical and Electronics Engineering (ELECO'2011), Turkey, 1 - 04 December 2011
- LXXXI. **High performance 8-bit mux based multiplier design using MOS Current mode logic**  
Delican Y., YILDIRIM T.  
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011
- LXXXII. **Swarm Intelligence Based Sizing Methodology for CMOS Operational Amplifier**  
ACAR VURAL R., Yıldırım T.  
CINTI 2011 12th IEEE International Symposium on Computational Intelligence and Informatics, Budapest, Hungary, 21 November 2011, pp.525-528
- LXXXIII. **Parameter extraction of FMCW modulated radar signals using Wigner Hough transform**  
Taylan Ozgur G., Ahmet Yasin E., YILDIRIM T.  
2011 IEEE 12th International Symposium on Computational Intelligence and Informatics (CINTI), Budapest, Hungary, 21 - 22 November 2011
- LXXXIV. **Parameter extraction of FMCW modulated radar signals using Wigner-Hough transform**  
Erdoğan A. Y., Yıldırım T., DURAK ATA L.  
2011 IEEE 12th International Symposium on Computational Intelligence and Informatics (CINTI), 01 November 2011
- LXXXV. **Bulanık Sinir Ağları KullanılarakTİpta Hastalık Teşhisİ**  
CENGİZ C., YILDIRIM T.  
TIPTEKNO'11, Turkey, 13 - 16 October 2011
- LXXXVI. **Design of a hetero core smart fiber optic microbend sensor**  
H S E., A K S., YILDIRIM T., FİDANBOYLU K.  
2011 International Symposium on Innovations in Intelligent Systems and Applications, Istanbul, Turkey, 15 - 18 June 2011
- LXXXVII. **Advanced image processing and artificial intelligence based approaches to fiber optic statistical mode sensor design**  
Hasan Seçkin E., YILDIRIM T., TOKER O.  
Smart Sensor Phenomena, Technology, Networks, and Systems 2011, San Diego, California, 6 - 11 March 2011
- LXXXVIII. **Use of Artificial Neural Networks for improving fiber optic microbend sensor performance**  
Efendioglu H., Yildirim T., Fidanboylu K.  
2010 6th IEEE World Congress on Computational Intelligence, WCCI 2010 - 2010 International Joint Conference on Neural Networks, IJCNN 2010, Barcelona, Spain, 18 - 23 July 2010
- LXXXIX. **Yapay Arı Kolonisi Tabanlı Butterworth Filtre Optimizasyonu**  
KADIOĞLU T., ACAR VURAL R., YILDIRIM T.  
ELECO, Turkey, 26 - 28 November 2010
- XC. **State Variable Filter Design Using Particle Swarm Optimization**  
ACAR VURAL R., Yıldırım T.  
2010 XIth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD), Gammath, Tunisia, 04 October 2010, pp.1-6
- XCI. **Artificial Bee Colony Optimization Based CMOS Inverter Design Considering Propagation Delays**  
Delican Y., ACAR VURAL R., YILDIRIM T.  
2010 XIth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD), Gammarth, Tunisia, 05 October 2010, pp.1-4
- XCII. **Low voltage low power neuron circuit design based on subthreshold FGFMOS transistors and XOR implementation**  
Fatih K., YILDIRIM T.  
2010 XIth International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design (SM2ACD), Gammarth, Tunisia, 4 - 06 October 2010

- XCIII. Fiber Optik Mikro Kırımlı Sensörlerinin Çıkış Cevabının Tahmin Edilmesi için Yapay Sinir Ağlarının Kullanılması**  
EFENDİOĞLU H., YILDIRIM T., FİDANBOYLU K.  
IEEE 18. Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 22 - 24 April 2010
- XCIV. Component Value Selection for Analog Active Filter Using Particle Swarm Optimization**  
Vural R. A., YILDIRIM T.  
2nd International Conference on Computer and Automation Engineering (ICCAE), Singapore, Singapore, 26 - 28 February 2010, pp.25-28
- XCV. Thyroid and Breast Cancer Disease Diagnosis using Fuzzy Neural Networks**  
ŞENOL C., YILDIRIM T.  
6th International Conference on Electrical and Electronics Engineering (ELECO'2009), 5 - 08 November 2009
- XCVI. A New Hybrid Approach for Fuzzy Neural Networks**  
ŞENOL C., YILDIRIM T.  
INISTA 2009 International Symposium on INnovations in Intelligent SysTems and Applications, 29 June - 01 July 2009
- XCVII. Pattern recognition using N input neuron circuits based on floating gate MOS transistors**  
Keles F., YILDIRIM T.  
IEEE EUROCON 2009, St. Petersburg, Russia, 18 - 23 May 2009
- XCVIII. Hiperspektral Görüntülerin Bölütlenmesinde Bir Sınıf Destek Vektör Makinesi Tabanlı Kümeleme Geçerliliği**  
BİLGİN G., Erturk S., Yıldırım T.  
IEEE 17. Sinyal İşleme ve Uygulamaları Kurultayı (SIU 2009), Antalya, Turkey, 9 - 11 April 2009, pp.820-823
- XCIX. One class support vector machines based cluster validity in the segmentation of hyperspectral images**  
BİLGİN G., ERTÜRK S., YILDIRIM T.  
SIU 2009. IEEE 17th Signal Processing and Communications Applications Conference, 2009, Turkey, 9 - 11 April 2009
- C. Bulanık Sinir Ağrı Yapısı İçin Yeni Bir Karma Yaklaşım**  
ŞENOL C., YILDIRIM T.  
ELECO 2008, Turkey, 26 - 30 November 2008
- CI. Parçacık Sürü Optimizasyonu Tabanlı Evirici Tasarımı**  
DER O., ACAR VURAL R., YILDIRIM T.  
ELECO 2008, Turkey, 26 - 30 November 2008
- CII. Object recognition on general purposed conic section function neural network integrated circuit Genel amaçlı konik kesit fonksiyonlu sinir ağları tümdevresi üzerinde obje tanıma**  
Vural R., Kahraman N., Erkmen B., Yıldırım T.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- CIII. Design of digital filters with bilinear transform using neural networks Yapay sinir ağları kullanılarak bilineer dönüşüm ile sayısal süzgeçlerin tasarımi**  
YAVUZ O., YILDIRIM T.  
2008 IEEE 16th Signal Processing, Communication and Applications Conference, SIU, Aydın, Turkey, 20 - 22 April 2008
- CIV. Genel Amaçlı Konik Kesit Fonksiyonlu Sinir Ağları Tümdevresi Üzerinde Objelerin Tanıma**  
ACAR VURAL R., KAHRAMAN N., ERKMEN B., YILDIRIM T.  
SIU 2008 2008 IEEE 16th Signal Processing, Communication and Applications Conference, Turkey, 20 - 22 April 2008
- CV. Optimization of integrated circuits using an artificial intelligence algorithm**  
Vural R. A., YILDIRIM T.  
PRIME - 4th Ph.D. Research in Microelectronics and Electronics Conference 2008, İstanbul, Turkey, 22 - 25 June 2008, pp.13-15

- CVI. Technology Independent Circuit Sizing for Fundamental Analog Circuits Using Artificial Neural Networks**  
 Kahraman N., Yıldırım T.  
 Ph.D. Research in Microelectronics and Electronics, İstanbul, Turkey, 22 June 2008, pp.1-4
- CVII. Technology independent circuit sizing for fundamental analog circuits using artificial neural networks**  
 KAHRAMAN N., YILDIRIM T.  
 Ph.D. Research in Microelectronics and Electronics, 22 - 25 June 2008
- CVIII. Akıllı Bir Mimik Tanıma Sistemi için Göz Durumlarının Bulunması**  
 YASAV M., YILDIRIM T.  
 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 19 - 21 June 2008
- CIX. Dudak Hareketlerinin Otomatik Sınıflanması**  
 YASAV M., YILDIRIM T.  
 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 19 - 21 June 2008
- CX. Genel Amaçlı Konik Kesit Fonksiyonlu Sinir Ağı Tümdevresi Üzerinde Obje Tanıma**  
 ACAR VURAL R., Kahraman N., Erkmen B., Yıldırım T.  
 IEEE 16. Sinyal İşleme ve Uygulamaları Sempozyumu (SIU2008), Aydın, Turkey, 20 April 2008, pp.1-5
- CXI. Yapay Sinir Ağları Kullanılarak Bilineer Dönüşüm ile Sayısal Süzgeçlerin Tasarımı**  
 YAVUZ O., YILDIRIM T.  
 IEEE 16. Sinyal İşleme ve Uygulamaları Sempozyumu, Turkey, 20 - 22 April 2008
- CXII. Hiperspektral Görüntülerin Doğrusal Olmayan Yöntemlerle Boyutunun İndirgenmesi ve Bölütlenmesi**  
 BİLGİN G., Erturk S., Yıldırım T.  
 IEEE 16. Sinyal İşleme ve Uygulamaları Kurultayı (SIU 2008), Aydın, Turkey, 20 - 22 April 2008
- CXIII. Hiperspektral Görüntülerin Bulanık Yaklaşımalarla Bölütlenmesi**  
 BİLGİN G., Erturk S., Yıldırım T.  
 IEEE 16. Sinyal İşleme ve Uygulamaları Kurultayı (SIU 2008), Aydın, Turkey, 20 - 22 April 2008
- CXIV. CSFNN optimization of signature recognition problem for a special VLSI NN chip**  
 Erkmen B., Kahraman N., Vural R., Yıldırım T.  
 3rd IEEE International Symposium on Control, Communications and Signal Processing (ISCCSP 2008), St Julians, Malta, 12 - 14 March 2008, pp.1082-1085
- CXV. Multiscale windowed denoising and segmentation of hyperspectral images**  
 Bilgin G., ERTÜRK S., Yıldırım T.  
 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications, İstanbul, Turkey, 14 - 16 July 2008, pp.33-34
- CXVI. Effects of Data Reduction Methods on the Performance of Statistical Neural Networks in Medical Applications**  
 Bilgin G., Bolat B., Yıldırım T.  
 International Conference on Electrical and Electronics Engineering (ELECO 2007), Bursa, Turkey, 5 - 09 December 2007, pp.136-139
- CXVII. Preserving Fine Details in Highly Corrupted Images by Reduction of Impulsive Noise Using Multilayer Perceptron Neural Networks**  
 POLAT Ö., YILDIRIM T.  
 5th International Conference on Electrical and Electronics Engineering (ELECO'2007), 5 - 09 December 2007
- CXVIII. VLSI Implementation of General Purposed Conic Section Function Neural Network**  
 Erkmen B., Yıldırım T.  
 5th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 5 - 09 December 2007, vol.2, pp.80-84
- CXIX. Modeling and Simulation of a General Regression Neural Network using Hardware Description Language**  
 POLAT Ö., YILDIRIM T.  
 Proceeding of International Symposium on Computer and Information Sciences (ISCIS 2007), 7 - 09 November

2007

- CXX. Araçlarda Kendi Kendine Yol Bulma Sistemi  
GÖKSU S., KAHRAMAN N., YILDIRIM T.  
EMO 2007, Turkey, 22 - 25 September 2007
- CXXI. Chebyshev Filtre Parametrelerinin Yapay Sinir Ağları Kullanılarak Hesaplanması  
YAVUZ O., BAYRAM M., YILDIRIM T.  
EMO 2007 Elektrik-Elektronik-Bilgisayar Mühendisliği 12. Ulusal Kongresi, Turkey, 22 - 25 September 2007
- CXXII. Obtaining decision boundaries of CSFNN neurons using current mode analog circuitry  
ERKMEN B., YILDIRIM T.  
ECCTD 2007. 18th European Conference on Circuit Theory and Design, 2007., 27 - 30 August 2007
- CXXIII. Two Stage Comparator Design with Artificial Neural Networks  
ODACIOĞLU E. C., KAHRAMAN N., YILDIRIM T.  
INISTA 2007 International Symposium on Innovations in Intelligent SysTems and Applications, İstanbul, Turkey, 20 - 23 June 2007
- CXXIV. Diagnosis of Thyroid Diseases using Multilayer Perceptrons and Radial Basis Function Networks  
Birol A., YILDIRIM T.  
Proc. of INISTA 2007 International Symposium on Innovations in Intelligent SysTems and Applications, 20 - 23 June 2007
- CXXV. Two Stage Comparator Design with Artificial Neural Networks June 20 23 2007  
Odacioglu E. C., Kahraman N., Yildirim T.  
Proc. of INISTA 2007 International Symposium on Innovations in Intelligent SysTems and Applications, İstanbul, Turkey, 20 - 23 June 2007, pp.1-4
- CXXVI. Emg İşaretlerini Modelleyerek Nöropati Hastalığı ile İlişkili Kas Gruplarının Sınıflandırılması  
ÖZSERT M., BASLO B., YILDIRIM T.  
SİU 2007 15. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 11 - 13 June 2007
- CXXVII. CSFNN synapse and neuron design using current mode analog circuitry  
ERKMEN B., Yidirm T.  
11th International Conference on Knowledge-Based and Intelligent Information and Engineering Systems, KES 2007, and 17th Italian Workshop on Neural Networks, WIRN 2007, Vietri sul Mare, Italy, 12 - 14 September 2007, pp.17-25
- CXXVIII. Recognition of patterns without feature extraction by GRNN  
POLAT Ö., YILDIRIM T.  
8th International Conference on Adaptive and Natural Computing Algorithms, ICANNGA 2007, Warszawa, Poland, 11 - 14 April 2007, pp.161-168
- CXXIX. Determination of the neural network performances in the medical prognosis by roc analysis Tibbi tahmin alanında kullanılan yapay sinir ağlarının performanslarının roc analizi ile belirlenmesi  
TOKAN F., Türker N., YILDIRIM T.  
2006 IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 17 - 19 April 2006, vol.2006
- CXXX. GRNN and PNN on the Diagnosis of Gastric Cancer  
ALDIRMAZ ÇOLAK S., YILDIRIM T.  
Proceedings of TAINN 2006 The Fifteenth Turkish Symposium on Artificial Intelligence and Neural Networks, Turkey, 21 - 24 June 2006
- CXXXI. Genelleştirilmiş Regresyon Sinir Ağının Genetik Algoritma ile Optimizasyonu  
POLAT Ö., YILDIRIM T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 31 May - 02 June 2006
- CXXXII. Genetik Algoritmalar ile Radyal Temelli Fonksiyon Ağlarının Optimiza  
YAZICI G., YILDIRIM T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Turkey, 31 May - 02 June 2006
- CXXXIII. GRNN ile 3 boyutlu benzer nesnelerin tanınması  
POLAT Ö., YILDIRIM T.  
IEEE 14. Sinyal İşleme ve İletişim Uygulamaları Kurultay, Turkey, 17 - 19 April 2006

- CXXXIV. **Tıbbi tahmin alanında kullanılan yapay sinir ağlarının performanslarının ROC analizi ile belirlenmesi**  
Tokan F., Türker Tokan N., Yıldırım T.  
IEEE 14. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Antalya, Turkey, 17 - 19 April 2006
- CXXXV. **Konik Kesit Fonksiyonlu Sinir Ağları ile Görüntü Bölümleme**  
KAHRAMAN N., YILDIRIM T.  
IEEE 13th Signal Processing and Communications Applications Conference, 2005. SIU, Turkey, 16 - 18 May 2005
- CXXXVI. **A comparative study on computerised diagnostic performance of hepatitis disease using ANNs**  
Vural R. A., ÖZYILMAZ L., YILDIRIM T.  
International Conference on Intelligent Computing, ICIC 2006, Kunming, China, 16 - 19 August 2006, pp.1177-1182
- CXXXVII. **ROC analysis as a useful tool for performance evaluation of artificial neural networks**  
TOKAN F., Türker N., YILDIRIM T.  
16th International Conference on Artificial Neural Networks, ICANN 2006, Athens, Greece, 10 - 14 September 2006, pp.923-931
- CXXXVIII. **Genetic optimizations for radial basis function and general regression neural networks**  
Yazici G., POLAT Ö., YILDIRIM T.  
5th Mexican International Conference on Artificial Intelligence, MICAI 2006: Advances in Artificial Intelligence, Apizaco, Mexico, 13 - 17 November 2006, pp.348-356
- CXXXIX. **Artificial Neural Design of the Microstrip Antennas**  
TÜRKER TOKAN N., GÜNEŞ F., YILDIRIM T.  
4th International Conference on Electrical and Electronics Engineering (ELECO'2005), 7 - 11 December 2005
- CXL. **Reduction of impulse noise from highly corrupted digital images by using neural networks Yapay sinir ağları ile sayısal görüntülerdeki yüksek yoğunluklu dürtü gürültüsü nün azaltılması**  
POLAT Ö., YILDIRIM T.  
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Turkey, 16 - 18 May 2005, vol.2005, pp.214-217
- CXLI. **Active learning for Probabilistic Neural Networks**  
BOLAT B., YILDIRIM T.  
First International Conference on Natural Computation, ICNC 2005, Changsha, China, 27 - 29 August 2005, vol.3610, pp.110-118
- CXLII. **Gezgin robot tasarımı ve kendi kendine organize olan haritalar ile robotun engellerden uzaklaşması**  
YÜCEL U., YILDIRIM T.  
EMO 2005 Elektrik-Elektronik-Bilgisayar Mühendisliği 11. Ulusal Kongresi, Turkey, 22 - 25 September 2005
- CXLIII. **Yapay sinir ağları kullanılarak MOSFET in W L oranının hesaplanması**  
SOLMAZ T., YILDIRIM T.  
EMO 2005 Elektrik-Elektronik-Bilgisayar Mühendisliği 11. Ulusal Kongresi, Turkey, 22 - 25 September 2005
- CXLIV. **Yapay Sinir Ağları ile Sayısal Devrelerde Gecikme Kestirimi**  
KAHRAMAN N., YILDIRIM T.  
EMO 2005, Turkey, 22 - 25 September 2005
- CXLV. **Waveform Classification with Statistical Neural Networks**  
BİLGİN G., Yıldırım T.  
11st International Applied Electronics Conference (AE 2005), Pilsen, Czech Republic, 7 - 08 September 2005, pp.45-47
- CXLVI. **Kalp hastalığı teşhisinde yapay sinir ağlarının performansının ROC analizi ile belirlenmesi**  
TÜRKER TOKAN N., TOKAN F., YILDIRIM T.  
BİYOMUT 2005 Biyomedikal Mühendisliği Ulusal Toplantısı, Turkey, 1 - 06 August 2005
- CXLVII. **Ekokardiyogram verilerinin yapay sinir ağları ile değerlendirilmesi**  
TOKAN F., TÜRKER TOKAN N., YILDIRIM T.  
BİYOMUT 2005 Biyomedikal Mühendisliği Ulusal Toplantısı, Turkey, 1 - 06 August 2005
- CXLVIII. **Transistor Size Estimation Based on Propagation Delay in CMOS Digital Circuits Using Neural Networks**  
Ünal C., Kahraman N., Yıldırım T.

- Proc. of INISTA 2005 International Symposium on Innovations in Intelligent SysTems and Applications, İstanbul, Turkey, 15 - 18 June 2005, pp.1-5
- CXIX. **El İşaretlerinin Yapay Sinir Ağları ile Algılanması**  
GÖKNAR G., YILDIRIM T.  
IEEE 13. Sinyal İşleme ve İletişim Uygulamaları Kurultay, Turkey, 16 - 18 May 2005
- CL. **Yapay sinir ağları ile sayısal görüntülerdeki yüksek yoğunluklu dörtü gürültüsünün azaltılması**  
POLAT Ö., YILDIRIM T.  
IEEE 13. Sinyal İşleme ve İletişim Uygulamaları Kurultay, Turkey, 16 - 18 May 2005
- CLI. **Konik Kesit Fonksiyonlu Sinir Ağları ile Görüntü Bölümleme**  
Kahraman N., Yıldırım T.  
IEEE 13. Sinyal İşleme ve İletişim Uygulamaları Kurultay, Kayseri, Turkey, 16 - 18 May 2005
- CLII. **Signature verification using conic section function neural network**  
Şenol C., YILDIRIM T.  
20th International Symposium on Computer and Information Sciences, ISCIS 2005, İstanbul, Turkey, 26 - 28 October 2005, pp.524-532
- CLIII. **Bipolar transistörlü Colpitts osilatörün yapay sinir ağları ile modellenmesi**  
DİNÇBAKIR C., YILDIRIM T.  
ELECO 2004 Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 8 - 12 December 2004
- CLIV. **Standard ve hibrid yapılar kullanarak imza tanıma**  
ŞENOL C., YILDIRIM T.  
ELECO 2004 Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 8 - 12 December 2004
- CLV. **Aktif öğrenme ile konuşma müzik sınıflandırma**  
Bolat B., Yıldırım T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu 2004 (ASYU INISTA 2004, İstanbul, Turkey, 23 - 25 June 2004
- CLVI. **Köprü Tipi Doğrultucularda Çıkış Geriliminin Genelleştirilmiş Regresyon Ağları ile Belirlenmesi**  
Kahraman N., Yıldırım T., Bilgiç M. O.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu 2004 (ASYU INISTA 2004, İstanbul, Turkey, 23 - 25 June 2004, pp.1-5
- CLVII. **AY Yapay Sinir Ağı ile Radyal Tabanlı Yapay Sinir Hücresi Sentezi**  
AVCI M., YILDIRIM T.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu 2004, Turkey, 23 - 25 June 2004
- CLVIII. **Köprü Tipi Doğrultucularda Çıkış Geriliminin Genelleştirilmiş Regresyon Ağları ile Belirlenmesi**  
KAHRAMAN N., YILDIRIM T., BİLGİÇ M. O.  
Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu 2004, Turkey, 23 - 25 June 2004
- CLIX. **Otomatik haber metinleri sınıflandırma**  
AMASYALI M., YILDIRIM T.  
SİU 2004, IEEE 12. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 28 - 30 April 2004
- CLX. **İleri beslemeli ağlarla SPECT görüntülerinden kardiyak problemlerin teşhisini**  
BAKİRCI Ü., YILDIRIM T.  
IEEE 12. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 28 - 30 April 2004
- CLXI. **Yapay Sinir Ağları için Düşük Güçlü Dört Bölgeli CMOS Analog Çarpıcı**  
ERKMEN B., YILDIRIM T.  
SİU 2004, IEEE 12. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Turkey, 28 - 30 April 2004
- CLXII. **Automatic text categorization of news articles**  
AMASYALI M. F., YILDIRIM T.  
Signal Processing and Communication Applications Conference, Muğla, Turkey, 28 April 2004, vol.1, pp.224-226
- CLXIII. **An artificial neural network approach to diagnosis of erythema-squamous disease**  
ACAR VURAL R., Yıldırım T.  
NEU-CEE 2004 2nd International Symposium on Electrical and Computer Engineering, Lefkoşa, Cyprus (Kktc), 11 March 2004, pp.230-233

- CLXIV. **An introduction to Avcı Yıldırım Neural Networks**  
AVCI M., YILDIRIM T.  
NEU-CEE 2004 2nd International Symposium on Electrical and Computer Engineering Proceedings, 11 - 13 March 2004
- CLXV. **Generalized Regression Neural Networks For Underwater Target Classification**  
ERKMEN B., YILDIRIM T.  
2nd International symposium on Electrical and Computer Engineering (NEU-CEE), Lefkoşa - Kuzey Kıbrıs Türk Cumhuriyeti, 11 - 13 March 2004, pp.223-225
- CLXVI. **Neural network based transistor modeling and aspect ratio estimation for Yital 1 5 micron process**  
AVCI M., BABAÇ M. Y., YILDIRIM T.  
Third International Conference on Electrical and Electronics Engineering (ELECO'2003), 3 - 07 December 2003
- CLXVII. **Floating gate MOS transistor based low voltage neuron design and XOR problem implementation**  
KELEŞ F., AVCI M., YILDIRIM T.  
Third International Conference on Electrical and Electronics Engineering (ELECO'2003), 3 - 07 December 2003
- CLXVIII. **İyonosfer Radar Yansımاسının İstatistiksel Sinir Ağları İle Sınıflandırılması**  
BOLAT B., YILDIRIM T.  
EMO 10. Ulusal Kongresi, İstanbul, Turkey, 18 - 21 September 2003, pp.469-471
- CLXIX. **Standart Öklid mesafesi hesaplayan bir CMOS analog devrenin RBF ağlarına uyarlanması**  
ÇOBAN Y., ERKMEN B., YILDIRIM T.  
Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, Turkey, 18 - 21 September 2003
- CLXX. **Eğiticili ve eğitcisiz nöral algoritmalar kullanarak göğüs kanseri teşhisı**  
KIYAN T., YILDIRIM T.  
Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, Turkey, 18 - 21 September 2003
- CLXXI. **Geçiş transistor lojisi ile CMOS sayısal sinaptik çarpıcı sentezi**  
AVCI M., YILDIRIM T.  
Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, Turkey, 18 - 21 September 2003
- CLXXII. **İyonosfer radar yansımاسının istatistiksel sinir ağları ile sınıflandırılması**  
BOLAT B., YILDIRIM T.  
Elektrik-Elektronik-Bilgisayar Mühendisliği 10. Ulusal Kongresi, Turkey, 18 - 21 September 2003
- CLXXIII. **The effects of training algorithms in MLP network on image classification**  
KAHRAMAN N., YILDIRIM T.  
Proceedings of the International Joint Conference on Neural Networks, 2003, Portland, OR, USA, 20 - 24 July 2003
- CLXXIV. **The effects of training algorithms in MLP network on image classification**  
Kahraman N., Yıldırım T.  
International Joint Conference on Neural Networks (IJCNN), New-York, United States Of America, 20 - 24 July 2003, pp.1-5
- CLXXV. **Artificial neural networks for diagnosis of hepatitis disease**  
ÖZYILMAZ L., YILDIRIM T.  
International Joint Conference on Neural Networks (IJCNN), 20 - 24 July 2003
- CLXXVI. **Microcontroller based neural network realization and iris plant classifier application**  
AVCI M., YILDIRIM T.  
XII. International TAINN Symposium Proceedings, 2 - 04 July 2003
- CLXXVII. **Breast cancer diagnosis using statistical neural networks**  
KIYAN T., YILDIRIM T.  
XII. TAINN Symposium Proceedings, 2 - 04 July 2003
- CLXXVIII. **A data selection method for Probabilistic Neural Networks**  
Bolat B., Yıldırım T.  
XII. TAINN Symposium Proceedings, Çanakkale, Turkey, 2 - 04 July 2003
- CLXXIX. **A novel four quadrant CMOS analog multiplier for artificial neural networks**  
ERKMEN B., YILDIRIM T.  
XII. TAINN Symposium Proceedings, 2 - 04 July 2003

- CLXXX. **Generation of tangent hyperbolic sigmoid function for microcontroller based digital implementations of neural networks**  
AVCI M., YILDIRIM T.  
XII. TAINN Symposium Proceedings, 2 - 04 July 2003
- CLXXXI. **Image segmentation using statistical neural networks**  
KAHRAMAN N., YILDIRIM T.  
International Conference On Artificial Neural Networks / International Conference on Neural Information Processing (ICANN/ICONIP), İstanbul, Turkey, 26 - 29 June 2003, pp.1-5
- CLXXXII. **Image segmentation using statistical neural networks**  
Kahraman N., Yıldırım T.  
International Conference On Artificial Neural Networks / International Conference on Neural Information Processing (ICANN/ICONIP), İstanbul, Turkey, 26 - 29 June 2003, pp.1-5
- CLXXXIII. **Medical diagnosis on pima indian diabetes using General Regression Neural Networks**  
Kayaer K., YILDIRIM T.  
International Conference on Artificial Neural Networks / International Conference on Neural Information Processing (ICANN/ICONIP), 26 - 29 June 2003
- CLXXXIV. **DSP kırmıklarının geçiş transistörü lojiji tabanlı tasarımı**  
AVCI M., YILDIRIM T.  
Sinyal İşleme ve Uygulamaları (SIU) Kurultayı, Turkey, 18 - 20 June 2003
- CLXXXV. **İmge Böülüme mede Yapay Sinir Ağlarının Kullanımı**  
KAHRAMAN N., YILDIRIM T.  
11. Sinyal İşleme ve Uygulamaları (SIU) Kurultayı, Turkey, 18 - 20 June 2003
- CLXXXVI. **İmge böülüme mede yapay sinir ağlarının kullanımı**  
Kahraman N., Yıldırım T.  
11. Sinyal İşleme ve Uygulamaları (SIU) Kurultayı, İstanbul, Turkey, 18 - 20 June 2003, pp.1-4
- CLXXXVII. **Karaciğer bozukluklarının yapay sinir ağları ile teşhisı**  
YALÇIN M., YILDIRIM T.  
X. Biyomedikal Müh. Ulusal Toplantısı (BİYOMUT 2003), Turkey, 29 - 30 May 2003
- LXXXVIII. **Yapay Sinir Ağları ile Hepatit Hastalığı Teşhisı**  
KAHRAMAN N., YILDIRIM T.  
Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT), Turkey, 29 - 30 May 2003
- CLXXXIX. **A coding method for 123 decision diagram pass transistor logic circuit synthesis**  
Avci M., YILDIRIM T.  
Proceedings of the 2003 International Symposium on Circuits and Systems, 2003. ISCAS '03., Bangkok, Thailand, 25 - 28 May 2003
- CXC. **Mikrodenetleyici tabanlı yapay sinir hücresi gerçekleştirilmesi ve bir patern sınıflama uygulaması**  
DÜZGÜN Ö., AVCI M., YILDIRIM T.  
III. Ulusal Proje Aranıyor Öğrenci Sempozyumu, Turkey, 28 - 30 April 2003
- CXCI. **123 karar diyagramı ile geçiş transistörlü CMOS devre sentezi ve 4 bit toplayıcı uygulaması**  
AVCI M., YILDIRIM T.  
ELECO 2002 Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 18 - 22 December 2002
- CXCII. **Diagnosis of thyroid disease using artificial neural network methods**  
ÖZYILMAZ L., YILDIRIM T.  
Proc. of ICONIP'02 9th International Conference on Neural Information Processing, 18 - 22 November 2002
- CXCIII. **Comparison of Generalized Regression Neural Network and MLP performances on hydrologic data forecasting**  
YILDIRIM T., Ciğizoglu H. K.  
Proc. of ICONIP'02 9th International Conference on Neural Information Processing, 18 - 22 November 2002
- CXCIV. **Classification of Escherichia Coli Bacteria by Artificial Neural Networks**  
AVCI M., YILDIRIM T.  
IEEE International Symposium on Intelligent Systems, 10 - 12 September 2002

- CXCV. **Gemilerde seyir güvenliğini sağlayan bilgi sistemleri ve uygulamaları**  
**GÜLER G., YILDIRIM T.**  
**GAP IV. Mühendislik Kongresi, Turkey, 6 - 08 June 2002**
- CXCVI. **Classification of escherichia coli bacteria by artificial neural networks**  
**AVCI M., YILDIRIM T.**  
**1st International IEEE Symposium on Intelligent Systems, Varna, Bulgaria, 10 - 12 September 2002, pp.13-16**
- CXCVII. **Hardware Implementation of a unified framework for connectionist models**  
**YILDIRIM T.**  
**Proc. of Limitations and Future Trends in Neural Computation, NATO ARW LFTNC 2001, 22 - 24 October 2001**
- CXCVIII. **Investigation of generalization ability of a hybrid neural network**  
**ÖZYILMAZ L., YILDIRIM T.**  
**Proc. of Limitations and Future Trends in Neural Computation, NATO ARW LFTNC 2001, 22 - 24 October 2001**
- CXCIX. **An electronically implemented neural network for real life applications**  
**YILDIRIM T.**  
**Proc. of NATO ASI NIMIA 2001 on Neural Networks for Instrumentation, Measurement and Related Industrial Applications, 9 - 20 October 2001**
- CC. **Bir hibrid yapay sinir ağı kullanılarak fetus gelişiminin sınıflandırılması**  
**ÖZYILMAZ L., YILDIRIM T.**  
**BİYOMUT'2000 Biyomedikal Mühendisliği Ulusal Toplantısı, Turkey, 27 - 28 November 2000**
- CCI. **Manhattan uzaklık fonksiyonu kullanan RBF tipi bir sinaptik devre tasarımı ve gerçekleştirilmesi**  
**YILDIRIM T.**  
**ELECO' 2000 Elektrik, Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 8 - 12 November 2000**
- CCII. **An educational purposed neural network simulator**  
**KESEN U., YILDIRIM T.**  
**Proc. of the Fifteenth International Symposium on Computer and Information Sciences (ISCIS XV), 11 - 13 October 2000**
- CCIII. **Sensitivity analysis for conic section function neural networks**  
**ÖZYILMAZ L., YILDIRIM T.**  
**Proceedings of the IEEE-INNS-ENNS International Joint Conference on Neural Networks. IJCNN 2000. Neural Computing: New Challenges and Perspectives for the New Millennium, Como, Italy, 27 July 2000**
- CCIV. **A unified framework for connectionist models and some applications**  
**YILDIRIM T.**  
**NATO-ASI, Summer School on Modulations of Neuronal Signaling: Implications for Visual Perception, 12 - 21 July 2000**
- CCV. **Fonksiyon yaklaşımı için konik kesit fonksiyonlu yapay sinir ağının kullanılması**  
**ÖZYILMAZ L., YILDIRIM T.**  
**Proceedings of TAINN'2000 The 9th Turkish Symposium on Artificial Intelligence and Neural Networks, Turkey, 21 - 23 June 2000**
- CCVI. **Konik kesit fonksiyonlu yapay sinir ağı için duyarlık analizi**  
**ÖZYILMAZ L., YILDIRIM T.**  
**SİU'2000 IEEE Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 12 - 14 June 2000**
- CCVII. **Modelling of active microwave transistors using artificial neural networks**  
**YILDIRIM T., TORPİ H., ÖZYILMAZ L.**  
**International Joint Conference on Neural Networks (IJCNN'99), Washington, Kiribati, 10 - 16 July 1999, vol.6, pp.3988-3991**
- CCVIII. **Yapay sinir ağlarında kullanılan dört bölgeli CMOS analog çarpanı**  
**ERKMEN B., YILDIRIM T.**  
**Elektrik-Elektronik-Bilgisayar Mühendisliği 8. Ulusal Kongresi, Turkey, 6 - 12 September 1999**
- CCIX. **Modelling of Active Microwave Transistor using ANN**  
**YILDIRIM T., TORPİ H., ÖZYILMAZ L.**  
**International Joint Conference on Neural Networks IJCNN'99, 10 - 16 July 1999**

- CCX. **EMG signal classification using conic section function neural networks**  
 ÖZYILMAZ L., YILDIRIM T., SEKER H.  
 IJCNN'99. International Joint Conference on Neural Networks. Proceedings (Cat. No.99CH36339), Washington, DC, USA, 10 - 16 July 1999
- CCXI. **An euclidean distance calculation circuit implemented in CMOS analog hardware**  
 SOLMAZ T., YILDIRIM T.  
 Proceedings of TAINN'99 The Eighth Turkish Symposium on Artificial Intelligence and Neural Networks, Turkey, 23 - 25 June 1999
- CCXII. **Konik kesit fonksiyonlu yapay sinir ağları kullanılarak miyoelektrik işaretlerin sınıflandırılması**  
 ÖZYILMAZ L., YILDIRIM T.  
 SİU'99 IEEE Sinyal İşleme ve Uygulamaları Kurultayı, Turkey, 16 - 19 June 1999
- CCXIII. **Aktif mikrodalga elemanlarını yapay sinir ağları ile modellemeye yeni teknikler**  
 TORPİ H., YILDIRIM T.  
 V. Bilgisayar-Haberleşme Sempozyumu, Turkey, 18 - 22 November 1998
- CCXIV. **Aktif Mikrodalga Elemanlarının Yapay Sinir Ağları Simülatörleri ile Modellemeye Yeni Teknikler**  
 TORPİ H., YILDIRIM T.  
 V. Bilgisayar- Haberleşme Sempozyum ve Fuarı, Turkey, 18 - 22 November 1998
- CCXV. **Improved backpropagation training algorithm using conic section functions**  
 YILDIRIM T., JS M.  
 Proceedings of International Conference on Neural Networks (ICNN'97), Houston, TX, USA, 9 - 12 June 1997
- CCXVI. **A unified framework for connectionist models**  
 YILDIRIM T., Marsland J.  
 Proc. of NCPW4, Connectionist Representations: Theory and Practice, 9 - 11 April 1997
- CCXVII. **A conic section function network synapse and neuron implementation in VLSI hardware**  
 YILDIRIM T., MARSLAND J.  
 Proceedings of International Conference on Neural Networks (ICNN'96), Washington, DC, USA, 3 - 06 June 1996
- CCXVIII. **An RBF MLP hybrid neural network implemented in VLSI hardware**  
 YILDIRIM T., MARSLAND J.  
 Conf. Proc. of NEURAP'95 Neural Networks and Their Applications, 20 - 22 March 1996
- CCXIX. **Conic section function network synapse and neuron implementation in VLSI hardware**  
 YILDIRIM T., Marsland J. S.  
 Proceedings of the 1996 IEEE International Conference on Neural Networks, ICNN. Part 1 (of 4), Washington, Kiribati, 3 - 06 June 1996, vol.2, pp.974-979
- CCXX. **Sayısal ses kayıt ve mikrodenetleyicili kontrol devresi**  
 YILDIRIM T.  
 Elektrik Müh. 5. Ulusal Kongresi, Turkey, 13 - 18 September 1993
- CCXXI. **Technology Independent Automated Sizing Methodology Based On Artificial Neural Networks: An Application to CMOS OPAMP Design**  
 KAHRAMAN N., Yıldırım T.  
 International Conference on Computational Science & Computational Intelligence, pp.476-480

## Episodes in the Encyclopedia

- I. **Türkiye Bilişim Ansiklopedisi**  
 Yıldırım T.  
 Papatya Yayıncılık, pp.924-925, 2006

## Supported Projects

Kambur E., Yıldırım T., Project Supported by Higher Education Institutions, Flip Side of Artificial Intelligence From Human Resource Perspective, 2022 - 2023

Eker O., Aker M. D., Yıldırım T., TUBITAK Project, Classification of people who pose a danger/problem according to environmental conditions by performing emotional analysis with the images taken from the camera, 2021 - 2023

Yıldırım T., Project Supported by Other Private Institutions, Yapay Zeka Tabanlı Hastane Acil Servis Triyaj Sistemi Karar Destek Yazılımı, 2021 - 2022

Yıldırım T., Kahraman N., Project Supported by Other Private Institutions, Gün Danışmanlık Hukukta Yapay Zeka Uygulamaları, Stratejileri ve Fizibilite Çalışması, 2021 - 2021

Güler A. T., Çelik U., Batmaz S., Atasoy L., Yıldırım T., TUBITAK Project, Evaluation of the Effect of Virtual Reality Technology on Reading Using the EOG Method, 2020 - 2021

Demir C., Kılınç İ. U., Korkmaz F., Yıldırım T., TUBITAK Project, UAV Supported Robot Arm, 2019 - 2020

Türel M. S. U., Görçen A., Yıldırım T., Bolat B., Serbes A., Niyaz Ö., Project Supported by Defense Industry, Multidimensional Wireless Communication Signal Analysis Platform (EXPLORER), 2018 - 2020

YILDIRIM T., BESER F., Project Supported by Higher Education Institutions, Çoklu Otonom İnsansız Deniz Araçları İçin Rota Planlanması ve Engelden Sakınma, 2018 - 2018

YILDIRIM T., Özkaray Ş. N., Project Supported by Higher Education Institutions, Görsel Uyararlara Karşı Aktif Beyin Bölgelerindeki Elektriksel Aktivitelerin İncelenmesi, 2018 - 2018

Mutlu U., Demir T., Yıldırım T., TUBITAK Project, KiNELLA: Motion Controlled Virtual Reality Robot Arm with Kinect, 2017 - 2018

YILDIRIM T., NİYAZ Ö., Project Supported by Higher Education Institutions, MOBİL TELEFON KAMERASINDAN ALINAN BİLEK VE AVUÇ İÇİ GÖRÜNTÜLERİ İLE BİYOMETRİK KİMLİKLENDİRME, 2016 - 2017

Bolat B., Uysal S., Yıldırım T., Project Supported by Higher Education Institutions, Lung Cancer Diagnosis with Breathing and Speaking, 2013 - 2017

Yıldırım T., Kahraman N., Bolat B., Acar Vural R., Erkmen B., Ayten U. E., Müftüoğlu Z., Kurban O. C., Uysal H., Uysal S., Development Agency, Cyber Security and Biometric Research Consultancy and Test Center, 2014 - 2016

Durak Ata L., Yıldırım T., Erkmen B., TUBITAK Project, Detection of Low-probability-of-intercept Radar Signals by Time-Frequency Signal Processing and Extraction of their Parameters, 2013 - 2015

Fidanboylu K., Yıldırım T., TÜBİTAK - AB COST Project, Development of high performance fiber optic sensors based on intensity modulation using hetero-core optical fibers and designing smart sensors with artificial intelligence techniques, 2012 - 2013

Yıldırım T., Acar Vural R., Kahraman N., Erkmen B., Project Supported by Higher Education Institutions, Electronic Circuit Design Automation with Particle Swarm Optimization and Artificial Neural Networks, 2010 - 2012

YILDIRIM T., Project Supported by Higher Education Institutions, Eşikaltı FG莫斯 transistorlar ile analog YSA devre bloklarının tasarımları, 2008 - 2012

Yıldırım T., Kahraman N., Erkmen B., Acar Vural R., Project Supported by Higher Education Institutions, Design of Short Channel CMOS Circuits with Artificial Neural Networks Independent from Production Technology Parameters, 2006 - 2009

Yıldırım T., Erkmen B., Kahraman N., Acar Vural R., Avcı M., TUBITAK Project, Implementation of a General Purpose Artificial Neural Network with Mixed Hardware, 2005 - 2008

Yıldırım T., Avcı M., Kahraman N., Erkmen B., Project Supported by Higher Education Institutions, Development and Testing of Artificial Neural Network Based Software for Selection of MOS Semiconductor Parameters in Analog Integrated Circuit Design, 2004 - 2006

Yıldırım T., Özylmaz L., Acar Vural R., Project Supported by Higher Education Institutions, Investigation of the Use of Artificial Neural Networks (ANN) in the Medical Field, 2004 - 2005

## Scientific Refereeing

H2020 Project, FET, H2020 Future & Emerging Technologies Project, x, Belgium, July 2020

Project Supported by Public Organizations in Other Countries, IRC-The Irish Research Council, Ireland, December 2019

## **Metrics**

Publication: 307  
Citation (WoS): 945  
Citation (Scopus): 1912  
H-Index (WoS): 18  
H-Index (Scopus): 24

## **Awards**

Yıldırım T., TPYME "Çetin Ceviz" Yılın En İyi Kadın Proje Yöneticisi Ödülü, Türk Proje Yönetim Meslek Enstitüsü, March 2016

Kahraman N., Yıldırım T., Cadence Design Contest for PhD Students, Cadence, April 2008

## **Non Academic Experience**

Institute of Automation, Chinese Academy of Sciences  
Bulgarian Academy of Sciences  
Universidad Autónoma de Madrid  
University of Liverpool  
University of Liverpool  
University of Liverpool  
ERA Elektronik A.Ş.