

## Prof. TOLGA ÇİLOĞLU

### Personal Information

**Email:** ciltolga@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/ciltolga>

### International Researcher IDs

ScholarID: Nz\_GFzgAAAAJ

ORCID: 0000-0002-9703-5861

Publons / Web Of Science ResearcherID: A-9650-2008

ScopusID: 16229315800

Yoksis Researcher ID: 105957

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey  
1987 - 1994

Postgraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey  
1985 - 1987

Undergraduate, Middle East Technical University, Odtu Kuzey Kıbrıs Kampusu (Kktc-Güzelyurt), Elektrik-Elektronik  
Mühendisliği Bölümü, Turkey 1981 - 1985

### Foreign Languages

English, C1 Advanced

### Research Areas

Electrical and Electronics Engineering

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2011 -  
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
2009 - 2011

Assistant Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1996 - 2009

Lecturer, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1989 - 1996

Research Assistant, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1987 - 1989

### Academic and Administrative Experience

Head of Department, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2016 - 2019

Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2015 - 2016

## Courses

Adaptive Signal Processing, Postgraduate, 2018 - 2019

## Advising Theses

ÇİLOĞLU T., Subarray selection in octave arrays, Postgraduate, A.RIZA(Student), 2022

ÇİLOĞLU T., Sparse linear sensor arrays: Analysis of recent coarray based arrays and array design for nonlinear processing, Doctorate, E.EPÇAÇAN(Student), 2021

Çiloğlu T., REDUCING COMPUTATIONAL DEMAND OF MULTI-STATE CONSTRAINT KALMAN FILTER IN VISUAL-INERTIAL ODOMETRY APPLICATIONS, Postgraduate, K.Eyice(Student), 2019

ÇİLOĞLU T., Methods for segmentation and classification of swallowing instants from the feeding sound of newborn infants, Postgraduate, A.Onur(Student), 2019

ÇİLOĞLU T., Sensor layout optimization using genetic algorithm for sniper localization systems, Postgraduate, E.Doğan(Student), 2019

ÇİLOĞLU T., Two stage blind dereverberation based on stochastic models of speech and reverberation, Postgraduate, M.KAVRUK(Student), 2019

ÇİLOĞLU T., Derivative based proportionate type adaptive filtering over sparse echo channels, Postgraduate, M.BABEK(Student), 2018

ÇİLOĞLU T., Digital modelling of guitar audio effects /, Postgraduate, E.ZEKİ(Student), 2015

YILMAZ A. Ö., ÇİLOĞLU T., Implementation of an underwater acoustic FSK system and investigation of the effects of surface reflections /, Postgraduate, O.ŞENTÜRK(Student), 2014

ÇİLOĞLU T., Sea surface motion induced effects on high frequency underwater acoustic signals /, Postgraduate, H.GÜNEŞ(Student), 2014

ÇİLOĞLU T., Two channel adaptive speech enhancement, Postgraduate, E.ZAİM(Student), 2014

CANDAN Ç., ÇİLOĞLU T., MEMS sensor based underwater AHRS (Attitude and Heading Reference System) aided by compass and pressure sensor, Postgraduate, M.ERÇİN(Student), 2012

ÇİLOĞLU T., Nonlinear interactive source-filter model for voiced speech, Doctorate, T.KOÇ(Student), 2012

ÇİLOĞLU T., Landing autopilot design for an UAV, Postgraduate, M.Hanköylü(Student), 2011

CANDAN Ç., ÇİLOĞLU T., A sequential classification algorithm for autoregressive processes, Postgraduate, G.OTLU(Student), 2011

ÇİLOĞLU T., Underwater channel modeling for sonar applications, Postgraduate, E.EPÇAÇAN(Student), 2011

CANDAN Ç., ÇİLOĞLU T., Speech enhancement utilizing phase continuity between consecutive analysis windows, Postgraduate, E.MEHMETCİK(Student), 2011

ÇİLOĞLU T., Audio event detection on tv broadcast, Postgraduate, E.CAN(Student), 2011

SERİNAĞAOĞLU DOĞRUSÖZ Y., ÇİLOĞLU T., Detection of post apnea sounds and apnea periods from sleep sounds, Postgraduate, E.KARCI(Student), 2011

ÇİLOĞLU T., Rotation, scale and translation invariant automatic target recognition using template matching for satellite imagery, Postgraduate, A.Ertürk(Student), 2010

ALATAN A. A., ÇİLOĞLU T., Rotation, scale and rotation invariant automatic target recognition using template matching for satellite imagery, Postgraduate, A.ERTÜRK(Student), 2010

ÇİLOĞLU T., Bimodal automatic speech segmentation and boundary refinement techniques, Doctorate, E.AKDEMİR(Student), 2010

ÇİLOĞLU T., A comparative analysis of matched field processors for underwater acoustic source localization, Postgraduate, T.BAHADIR(Student), 2010

ÇİLOĞLU T., Multiple window detectors, Postgraduate, O.SİPAHİGİL(Student), 2010

ÇİLOĞLU T., CANDAN Ç., CFAR processing with multiple exponential smoothers for nonhomogeneous environments, Postgraduate, B.GÜRAKAN(Student), 2010

ÇİLOĞLU T., Design and implementation of a fixed point digital active noise controller headphone, Postgraduate, F.ERKAN(Student), 2009

ÇİLOĞLU T., Investigation of the significance of periodicity information in speaker identification, Postgraduate, S.GÜRSOY(Student), 2008

ÇİLOĞLU T., A study on language modeling for Turkish large vocabulary continuous speech recognition, Postgraduate, A.ORKAN(Student), 2005

ÇİLOĞLU T., Modeling phoneme durations and fundamental frequency contours in Turkish speech, Doctorate, Ö.ÖZTÜRK(Student), 2005

ÇİLOĞLU T., Design and implementation of a dsp based active noise controler for headsets, Postgraduate, A.Tokatlı(Student), 2004

ÇİLOĞLU T., The implementation complexity of finite impulse response digital filters under different coefficient quantization schemes and realization structures, Postgraduate, S.AKYÜREK(Student), 2004

ÇİLOĞLU T., Design and implementation of a DSP based active noise controller for headsets, Postgraduate, A.TOKATLI(Student), 2004

ÇİLOĞLU T., Language modeling for Turkish continuous speech recognition, Postgraduate, S.ŞAHİN(Student), 2003

ÇİLOĞLU T., Large vocabulary continuous speech recognition for Turkish using HTK, Postgraduate, M.ALİ(Student), 2003

ÇİLOĞLU T., Implementation of a multiple-input, multiple-output (MIMO) active noise control system, Postgraduate, F.Başçı(Student), 2002

ÇİLOĞLU T., Automatic transcription of monophonic music, Postgraduate, S.ASLI(Student), 2002

ÇİLOĞLU T., Implementation of a multiple input multiple output active noise control system, Postgraduate, F.BAŞÇI(Student), 2002

ÇİLOĞLU T., A Dialogue design tool implementation for spoken dialogue systems, Postgraduate, H.ERDOĞAN(Student), 2001

ÇİLOĞLU T., Enhancement of noisy speech utilizing the Kalman filter, Postgraduate, M.DEVİREN(Student), 2000

ÇİLOĞLU T., Active noise control: Applications on a headset and a ouct, Postgraduate, E.GÜNER(Student), 2000

ÇİLOĞLU T., Active noise control: applications on a headset and a duct, Postgraduate, E.Güner(Student), 2000

ÇİLOĞLU T., Speech enhancement by subspace methods., Postgraduate, L.SAYAR(Student), 2000

ÇİLOĞLU T., Single channel noisy speech enhancement based on spectral amplitude estimation methods, Postgraduate, C.DEMİRKİR(Student), 2000

ÇİLOĞLU T., Fast implementation of cosine-modulated filter banks and the design of protolype filters, Postgraduate, K.BÜYÜKATAK(Student), 1999

ÇİLOĞLU T., Digital watermarking algorithms for audio and speech signals, Postgraduate, S.UTKU(Student), 1999

ÇİLOĞLU T., Mutual coupling compensation in linear and planar array antennas, Postgraduate, Ş.TUNCER(Student), 1999

ÇİLOĞLU T., LMS and FXLMS algorithms applied to narrowband active noise cancelling applications, Postgraduate, A.TÜRKAY(Student), 1999

ÇİLOĞLU T., Fast implemantation of "cosine, modulated filter banks" and the design of prototype filters, Postgraduate, K.Büyükatak(Student), 1999

ÇİLOĞLU T., Code excited linear predictive coding of speech wing source-filter interrelation extracted by self organising maps, Postgraduate, G.AVKAROĞULLARI(Student), 1998

ÇİLOĞLU T., Denoiring of degraded audio signals using wavelet analysis, Postgraduate, E.BARIŞ(Student), 1998

ÇİLOĞLU T., DEMİREKLER M., Denoising of degraded audio signals using wavelet analysis, Postgraduate, E.Barış(Student), 1998

ÇİLOĞLU T., Code excited linear predictive coding of speech using source-filter interrelation extracted by self organising maps, Postgraduate, G.Avkaroğulları(Student), 1998

## Jury Memberships

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2021  
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2021  
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2021  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, December, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, December, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, October, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, August, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, May, 2018  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, February, 2018

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

- I. **Low complexity nonlinear detection for multiuser hybrid MIMO systems and performance analysis**  
SALMAN M. B., GÜVENSEN G. M., ÇİLOĞLU T.  
Physical Communication, vol.60, 2023 (SCI-Expanded)
- II. **A Space-Time Coded Mills Cross MIMO Architecture to Improve DOA Estimation and Its Performance Evaluation by Field Experiments**  
Ungan C. U., CANDAN Ç., ÇİLOĞLU T.  
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.56, no.3, pp.1807-1818, 2020 (SCI-Expanded)
- III. **A Hybrid Nonlinear Method for Array Thinning**  
Epcacan E., ÇİLOĞLU T.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.66, no.5, pp.2318-2325, 2018 (SCI-Expanded)
- IV. **Nonlinear interactive source-filter models for speech**  
KOÇ T., ÇİLOĞLU T.  
COMPUTER SPEECH AND LANGUAGE, vol.36, pp.365-394, 2016 (SCI-Expanded)
- V. **Multimodal concept detection in broadcast media: KavTan**  
SOYSAL M., Logoglu K. B., TEKİN M., ESEN E., SARACOĞLU A., Acar B. O., Ozan E. C., Ates T. K., SEVİMLİ H., SEVİNÇ M., et al.  
MULTIMEDIA TOOLS AND APPLICATIONS, vol.72, no.3, pp.2787-2832, 2014 (SCI-Expanded)
- VI. **Comments on "Detection of signals of unknown duration by multiple energy detectors"**  
SİPAHİGİL O., ÇİLOĞLU T.  
SIGNAL PROCESSING, vol.94, pp.128-129, 2014 (SCI-Expanded)
- VII. **Automatic Segmentation of High Speed Video Images of Vocal Folds**  
KOÇ T., ÇİLOĞLU T.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI-Expanded)
- VIII. **CFAR processing with switching exponential smoothers for nonhomogeneous environments**  
GURAKAN B., CANDAN Ç., ÇİLOĞLU T.  
DIGITAL SIGNAL PROCESSING, vol.22, no.3, pp.407-416, 2012 (SCI-Expanded)
- IX. **Bimodal automatic speech segmentation based on audio and visual information fusion**  
Akdemir E., ÇİLOĞLU T.  
SPEECH COMMUNICATION, vol.53, no.6, pp.889-902, 2011 (SCI-Expanded)

- X. **HMM topology for boundary refinement in automatic speech segmentation**  
Akdemir E., ÇİLOĞLU T.  
ELECTRONICS LETTERS, vol.46, no.15, pp.1086-1087, 2010 (SCI-Expanded)
- XI. **Investigation of sequential properties of snoring episodes for obstructive sleep apnoea identification**  
ÇAVUŞOĞLU M., ÇİLOĞLU T., Serinagaoglu Y., Kamaşak M. E., EROĞUL O., AKÇAM T.  
PHYSIOLOGICAL MEASUREMENT, vol.29, no.8, pp.879-898, 2008 (SCI-Expanded)
- XII. **The use of articulator motion information in automatic speech segmentation**  
Akdemir E., ÇİLOĞLU T.  
SPEECH COMMUNICATION, vol.50, no.7, pp.594-604, 2008 (SCI-Expanded)
- XIII. **A case study on the ELF characterization of the Earth-ionosphere cavity: Forecasting the Schumann resonance intensities**  
TULUNAY Y., Altuntas E., Tulunay E., Price C., ÇİLOĞLU T., Bahadirlar Y., Senalp E. T.  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS, vol.70, pp.669-674, 2008 (SCI-Expanded)
- XIV. **Turkish speech corpora and recognition tools developed by porting SONIC: Towards multilingual speech recognition**  
Salor O., Pellom B. L., Ciloglu T., Demirekler M.  
COMPUTER SPEECH AND LANGUAGE, vol.21, no.4, pp.580-593, 2007 (SCI-Expanded)
- XV. **An efficient method for snore/nonsnore classification of sleep sounds**  
Cavusoglu M., Kamasak M., Eroglu O., Ciloglu T., Serinagaoglu Y., Akcam T.  
PHYSIOLOGICAL MEASUREMENT, vol.28, no.8, pp.841-853, 2007 (SCI-Expanded)
- XVI. **New initialization methods for discrete coefficient FIR filter design with coefficient scaling and the use of scale factor in the design process**  
Ciloglu T.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.54, no.2, pp.796-800, 2006 (SCI-Expanded)
- XVII. **Segmental duration modelling in Turkish**  
Ozturk O., Ciloglu T.  
TEXT, SPEECH AND DIALOGUE, PROCEEDINGS, vol.4188, pp.669-676, 2006 (SCI-Expanded)
- XVIII. **Recognizing events in an automated surveillance system**  
Orten B., Alatan A. A., Ciloglu T.  
MULTIMEDIA CONTENT REPRESENTATION, CLASSIFICATION AND SECURITY, vol.4105, pp.434-441, 2006 (SCI-Expanded)
- XIX. **An efficient local search method guided by gradient information for discrete coefficient FIR filter design**  
Ciloglu T.  
SIGNAL PROCESSING, vol.82, no.10, pp.1337-1350, 2002 (SCI-Expanded)
- XX. **Design of FIR filters for low implementation complexity**  
Ciloglu T.  
ELECTRONICS LETTERS, vol.35, no.7, pp.529-530, 1999 (SCI-Expanded)
- XXI. **Applications of simulated annealing for the design of special digital filters - Comments**  
Ciloglu T., Unver Z.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.44, no.4, pp.983-984, 1996 (SCI-Expanded)

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

- I. **Analytical Nonlinear Distortion Characterization for Frequency-Selective Massive MIMO Channels**  
Salman M. B., Björnson E., GÜVENSEN G. M., ÇİLOĞLU T.  
IEEE International Conference on Communications (IEEE ICC), Rome, Italy, 28 May - 01 June 2023, pp.6535-6540
- II. **Investigation of Effects of PA Non-linearities on the Fully Digital Massive MIMO Systems**  
SALMAN M. B., GÜVENSEN G. M., ÇİLOĞLU T.

28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020

- III. **Gradient controlled improved proportionate affine projection sign algorithm Gradyan kontrollü geliştirilmiş orantili afin izdüşümlü işaret algoritması**  
Salman M. B., Çiloğlu T.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- IV. **Gradient controlled improved proportionate affine projection sign algorithm**  
Çiloğlu T.  
2018 26th Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018, pp.1-5
- V. **Removing Grating Lobes in Sparse Sensor Arrays with a Nonlinear Approach**  
Epcacan E., ÇİLOĞLU T., CANDAN Ç., Mehmetcik E.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1950-1953
- VI. **Enhanced Modelling of Guitar Distortion**  
Zeki E., ÇİLOĞLU T.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1473-1476
- VII. **AN UNSUPERVISED AUDIO SEGMENTATION METHOD USING BAYESIAN INFORMATION CRITERION**  
Ozan E. C., Tankiz S., Acar B. O., ÇİLOĞLU T.  
6th International Symposium on Communications, Control and Signal Processing (ISCCSP), Athens, Greece, 21 - 23 May 2014, pp.640-643
- VIII. **Speech enhancement by maintaining phase continuity**  
mehmetcik e., ÇİLOĞLU T.  
164th Meeting of the Acoustical Society of America, Kansas City, Missouri, 22 - 26 October 2012
- IX. **Detection of Post Apnea Sounds and Apnea Periods from Sleep Sounds**  
Karci E., SERİNAĞAOĞLU DOĞRUSÖZ Y., ÇİLOĞLU T.  
33rd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), Massachusetts, United States Of America, 30 August - 03 September 2011, pp.6075-6078
- X. **Rotation, scale and translation invariant automatic target recognition based on Fourier-Mellin transform and bispectrum for satellite imagery Uydu görüntüleri için Fourier-Mellin dönüşümü ve bispektrum tabanlı dönme, ölçekleme, öteleme değişmezlikli otomatik hedef tanıma**  
ERTÜRK A., ALATAN A. A., ÇİLOĞLU T.  
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.550-553
- XI. **SPEECH DETECTION ON BROADCAST AUDIO**  
Zubari U., Ozan E. C., Acar B. O., ÇİLOĞLU T., Esen E., Ates T. K., Onur D. O.  
18th European Signal Processing Conference (EUSIPCO), Aalborg, Denmark, 23 - 27 August 2010, pp.85-89
- XII. **Spectral envelope analysis of snoring signals**  
Çavuşoğlu M., Kamasla M., ÇİLOĞLU T., Serinağaoğlu Y., Eroğul O.  
6th IASTED International Conference on Biomedical Engineering, BioMED 2008, Innsbruck, Austria, 13 - 15 February 2008, pp.473-477
- XIII. **Multi Camera Visual Surveillance for Motion Detection Occlusion Handling Tracking and Event Recognition**  
akman o., ALATAN A. A., ÇİLOĞLU T.  
Workshop on Multi-camera and Multi-modal Sensor Fusion Algorithms and Applications - M2SFA2 2008, 5 - 08 October 2008
- XIV. **Evaluation of Voice Activity and Voicing Detection**  
Kotnik B., Sendorek P., Astrov S., Doco Fernandez L., Banga E. R., Höge H., Kacic Z., KOÇ T., ÇİLOĞLU T.  
INTERSPEECH 2008 9th Annual Conference of the International Speech Communication Association, 22 - 26

September 2008

- XV. **Exploitation of multi-camera configurations for visual surveillance**  
Akman O., ALATAN A. A., ÇİLOĞLU T.  
International Workshop on Content-Based Multimedia Indexing, London, Canada, 18 - 20 June 2008, pp.125-130
- XVI. **<bold>SPECTRAL ENVELOPE ANALYSIS FOR SIMPLE SNORERS AND OBSTRUCTIVE SLEEP APNEA PATIENTS</bold>**  
Cavusoglu M., Kamasak M., Erogul O., ÇİLOĞLU T., SERİNAĞAOĞLU DOĞRUSÖZ Y., Birkent H.  
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1170-1171
- XVII. **Spectral envelope analysis for simple snorers and obstructive sleep apnea patients Tikanmaya bağlı uyku apnesi hastalari ve basit horlayanlarda horlama seslerinin izgesel zarf incelemesi**  
Çavuşoğlu M., Kamaşak M., Eroğul O., ÇİLOĞLU T., Serinağaoğlu Y., Birkent H.  
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Turkey, 11 - 13 June 2007
- XVIII. **Investigation of Different Language Models for Turkish Speech Recognition**  
ÇİLOĞLU T., bayer o., turhan yöndem m.  
2006 IEEE 14th Signal Processing and Communications Applications Conference, Turkey, 12 April 2006
- XIX. **Segmental Duration Modeling in Turkish**  
Ozturk O., ÇİLOĞLU T.  
9th International Conference on Spoken Language Processing/INTERSPEECH 2006, Pennsylvania, United States Of America, 01 January 2006, pp.2378-2380
- XX. **OrienTel: Turkish telephone speech database**  
Ciloglu T., Acar D., Tokatli A.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.280-283
- XXI. **A DSP based active noise controller for headphones**  
Tokatli A., Ciloglu T.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.649-652
- XXII. **Language modelling for Turkish as an agglutinative language**  
Ciloglu T., Comez M., Sahin S.  
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.461-462
- XXIII. **On lexicon creation for turkish LVCSR**  
kadri h., bryan p., ÇİLOĞLU T., ÖZTÜRK Ö., mikko k., mathias c.  
INTERSPEECH, 1 - 04 September 2003
- XXIV. **On Developing New Text and Audio Corpora and Speech Recognition Tools for the Turkish Language**  
SALOR DURNA Ö., pello m., ÇİLOĞLU T., hacioğlu k., demirekler m.  
ICSLP-2002:Inter. Conf. on Spoken Language Processing,, Denver, CO USA, Sept. 2002, 16 - 20 September 2002
- XXV. **Normalized peak ripple magnitude as an objective function in discrete coefficient fir filter design**  
Ciloglu T.  
44th IEEE Midwest Symposium on Circuits and Systems (MWSCAS 2001), Drayton, Canada, 14 - 17 August 2001, pp.122-125
- XXVI. **Fusing length and voicing information, and HMM decision using a Bayesian Causal Tree against insufficient training data**  
Demirekler M., Karahan F., Ciloglu T.  
15th International Conference on Pattern Recognition (ICPR-2000), Barcelona, Spain, 3 - 07 September 2000, pp.102-105
- XXVII. **An improved all-pass watermarking scheme for speech and audio**  
Ciloglu T., Karaaslan S.  
1st IEEE International Conference on Multimedia and Expo (ICME2000), New-York, United States Of America, 30 July - 02 August 2000, pp.1017-1020

- XXVIII. **Design of FIR filters with arbitrary magnitude and phase responses and powers-of-two coefficients**  
Ciloglu T.  
1st European Conference on Signal Analysis and Prediction (ECSAP-97), PRAGUE, Czech Republic, 24 - 27 June 1997, pp.167-170
- XXIX. **Efficient allocation of power of two terms in complex FIR filter design**  
ÇİLOĞLU T., lee y. h.  
8th European Signal Processing Conference, EUSIPCO 1996., 10 - 13 September 1996
- XXX. **A NOVEL METHOD FOR DISCRETE COEFFICIENT FIR DIGITAL FILTER DESIGN**  
CILOGLU T., UNVER Z.  
1994 IEEE International Symposium on Circuits and Systems, London, Canada, 30 May - 02 June 1994
- XXXI. **DESIGN OF FIR FILTERS WITH POWERS OF 2 COEFFICIENTS BASED ON A NEW QUANTIZATION QUALITY CRITERION**  
CILOGLU T., UNVER Z.  
1994 IEEE International Conference on Acoustics, Speech and Signal Processing, Adelaide, Australia, 19 - 22 April 1994, pp.561-564
- XXXII. **A NEW GRADIENT APPROXIMATION METHOD FOR THE DESIGN OF MINMAX FIR FILTERS WITH POWERS OF 2 COEFFICIENTS**  
CILOGLU T., UNVER Z.  
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.113-116

## Patent

ÇİLOĞLU T., Adaptive voice-feature-enhanced matchmaking method and system, Patent, CHAPTER A Human Needs, Standard Registration, 2008

## Scientific Refereeing

Technopark, Middle East Technical University, Turkey, December 2021  
TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Eskişehir Osmangazi University, Turkey, December 2021  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, İzmir Bakircay University, Turkey, November 2021  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, EAR TEKNİK İŞİTME VE ODİOMETRİ CİH.SAN. VE TİC. A.Ş., Turkey, November 2021  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, TORK BİLGİSAYAR SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, November 2021  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, VE MEDYA MÜZİK FİLM YAZILIM ORGANİZASYON TURİZM SANAYİ TİCARET LİMİTED ŞİRKETİ, Turkey, November 2021  
PLOS ONE, SCI Journal, September 2021  
TUBITAK Project, 1002 - Quick Support Program, Adiyaman University, Turkey, September 2021  
Technopark, Middle East Technical University, Turkey, August 2021  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, SUDİ ETÜZ TEKSTİL SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, April 2021  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Adana Alparslan Türkeş Science And Technology University, Turkey, April 2021  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, ADRESGEZGİNİ YAZILIM TASARIM BİLİŞİM İLETİŞİM VE REKLAM HİZMETLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, April 2021  
Technopark, LNL ELEKTRİK ELEKTRONİK BİLİŞİM VE DANIŞMANLIK LİMİTED ŞİRKETİ, Turkey, April 2021  
SIGNAL PROCESSING, SCI Journal, February 2021



Technopark, SİGUN BİLGİ TEKNOLOJİLERİ VE DANIŞMANLIK AŞ, Turkey, February 2021  
SIGNAL PROCESSING, SCI Journal, January 2021  
SIGNAL PROCESSING, SCI Journal, September 2018  
ELECTRONICS LETTERS, SCI Journal, July 2018  
ELECTRONICS LETTERS, SCI Journal, April 2018  
ELECTRONICS LETTERS, SCI Journal, March 2018  
ELECTRONICS LETTERS, SCI Journal, February 2018

## **Metrics**

Publication: 53  
Citation (WoS): 243  
Citation (Scopus): 302  
H-Index (WoS): 7  
H-Index (Scopus): 9

## **Non Academic Experience**

TUBITAK  
TÜBİTAK AEEAGE