

Assoc. Prof. İbrahim Yücel ÖZBEK

Personal Information

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Education Information

Doctorate, Orta Doğu Teknik Üniversitesi, Fen Bilimleri, Kontrol, Turkey 2003 - 2010

Post Graduate, Orta Doğu Teknik Üniversitesi, Fenbilimleri Enstitüsü, Kontrol, Turkey 2000 - 2002

Dissertations

Doctorate, DYNAMIC SYSTEM MODELING AND STATE ESTIMATION FOR SPEECH SIGNAL, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2010

Post Graduate, AUTOMATIC SPEECH SEGMENTATION AND DATABASE ANNOTATION , Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2002

Research Areas

Electrical and Electronics Engineering, Electronic, Nanotechnology, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 1999 - Continues

Courses

ELEKTRİK DEVRE TEMELLERİ, Under Graduate, 2018 - 2019

OLASILIK VE RASTLANTI DEĞİŞKENLERİ, Under Graduate, 2018 - 2019

SİNYALLER VE SİSTEMLER, Under Graduate, 2018 - 2019

DERİN ÖĞRENMEYE GİRİŞ, Post Graduate, 2018 - 2019

KESTİRİM TEORİSİ, Post Graduate, 2017 - 2018

EE MÜHENDİSLERİ İÇİN İLERİ MATLAB, Post Graduate, 2018 - 2019

BİLGİSAYAR PROGRAMLAMA, Under Graduate, 2018 - 2019

RASGELE SİNYALLER VE İSTATİSTİKSEL SİNYAL İŞLEME, Post Graduate, 2017 - 2018

EE MÜHENDİSLERİ İÇİN UYGULAMALI MATEMATİK, Doctorate, 2016 - 2017

Advising Theses

ÖZBEK İ. Y. , KALP SESLERİ KULLANILARAK KİŞİ TANIMA, Post Graduate, F.DAL(Student), 2015

ÖZBEK İ. Y. , ELEKTROKARDİYOĞRAFİ,FOTOPLETİSMOGRAFİ VE KALPSESİ ÇOKLU BİYOMETRİLERİNE DAYALI KİŞİ DOĞRULAMA:CİHAZ VE SİSTEM TASARIMI, Post Graduate, S.UYGUR(Student), 2015

ÖZBEK İ. Y. , DÜŞÜK KARMAŞIKLI ÖZNİTELİKLER KULLANILARAK SOLUNUM SESİ İÇERİSİNDEKİ KALP SESLERİNİN YERLERİNİN OLASILIKSAL MODELLEME İLE KESTİRİMİ, Doctorate, H.SHAMSI(Student), 2015

ÖZBEK İ. Y. , EKSPİRASYON AKIM VOLÜM EĞRİSİ İLE CİNSİYET, YAŞ, BOY KESTİRİMİ, Post Graduate, S.COŞĞUN(Student), 2014

ÖZBEK İ. Y. , KALP SESİ SINIRLARININ GÖĞÜS SESİ SINIRLARI İÇERİSİNDE BELİRLENMESİ, Post Graduate, F.ÇAĞLAR(Student), 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Nondestructive optical characterization of Fabry-Pérot cavities by full spectra fitting method**
Hasar U. C. , ÖZBEK İ. Y. , KARACALI T.
IEEE Photonics Technology Letters, vol.30, pp.1404-1407, 2018 (Journal Indexed in SCI)
- **Biocompatible Brain Sensor Fabrication for Diagnosis and Treatment of Brain Disorders**
ÖZBEK İ. Y.
ACTA PHYSIOLOGICA, vol.221, pp.22, 2017 (Journal Indexed in SCI)
- **Heart Sound Localization in Respiratory Sound Based on a New Computationally Efficient Entropy Bound**
Ozbek Y., SHAMSI H.
IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS, vol.21, pp.105-114, 2017 (Journal Indexed in SCI)
- **Characterization of Porous Silicon Fabry-Perot Optical Sensors for Reflectivity and Transmittivity Measurements**
Hasar U. C. , ÖZBEK İ. Y. , ÇAVUŞOĞLU B., KARACALI T., EFEOĞLU H., ERTUĞRUL M., Barroso J. J.
IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, vol.21, 2015 (Journal Indexed in SCI)
- **Identification of Gases by Porous Optical Sensors Using Reflectivity Difference and Wavelength Shift**
Hasar U. C. , ÖZBEK İ. Y. , ÇAVUŞOĞLU B., KARACALI T., EFEOĞLU H., ERTUĞRUL M., Barroso J. J.
IEEE PHOTONICS TECHNOLOGY LETTERS, vol.27, pp.596-599, 2015 (Journal Indexed in SCI)
- **A robust method for online heart sound localization in respiratory sound based on temporal fuzzy c-means**
SHAMSI H., ÖZBEK İ. Y.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, vol.53, pp.45-56, 2015 (Journal Indexed in SCI)
- **Low cost measurement setup based on a piezoelectric microphone for estimating apple bruising using Shannon entropy**
ÖZBEK İ. Y. , BOYDAŞ M. G. , Kara M., DEMİR B.
POSTHARVEST BIOLOGY AND TECHNOLOGY, vol.98, pp.23-29, 2014 (Journal Indexed in SCI)
- **Robust heart sound detection in respiratory sound using LRT with maximum a posteriori based online parameter adaptation**
SHAMSI H., ÖZBEK İ. Y.
MEDICAL ENGINEERING & PHYSICS, vol.36, pp.1277-1287, 2014 (Journal Indexed in SCI)
- **An efficient laser sensor system for apple impact bruise volume estimation**
BOYDAŞ M. G. , ÖZBEK İ. Y. , Kara M.
POSTHARVEST BIOLOGY AND TECHNOLOGY, vol.89, pp.49-55, 2014 (Journal Indexed in SCI)
- **Novel Design of Porous Silicon Based Sensor for Reliable and Feasible Chemical Gas Vapor Detection**
KARACALI T., Hasar U. C. , ÖZBEK İ. Y. , ORAL E. A. , EFEOĞLU H.
JOURNAL OF LIGHTWAVE TECHNOLOGY, vol.31, pp.295-305, 2013 (Journal Indexed in SCI)
- **The effect of silicon loss and fabrication tolerance on spectral properties of porous silicon Fabry-Perot cavities in sensing applications**
Hasar U., ÖZBEK İ. Y. , ORAL E. A. , KARACALI T., EFEOĞLU H.
Optics Express, vol.20, pp.22208-22223, 2012 (Journal Indexed in SCI)
- **On Improving Dynamic State Space Approaches to Articulatory Inversion with MAP Based Parameter Estimation**
ÖZBEK İ. Y. , DEMİREKLER M., HASEGAWA JOHNSON M.
IEEE Transactions On Audio Speech And Language Processing, vol.20, pp.67-81, 2012 (Journal Indexed in SCI)
- **RETRIEVAL OF EFFECTIVE ELECTROMAGNETIC PARAMETERS OF ISOTROPIC METAMATERIALS USING REFERENCE-PLANE INVARIANT EXPRESSIONS**
Hasar U. C. , Barroso J. J. , SABAH C., ÖZBEK İ. Y. , KAYA Y., DAL D., AYDIN T.
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, vol.132, pp.425-441, 2012 (Journal Indexed in SCI)
- **Estimation of Articulatory Trajectories Based on Gaussian Mixture Model GMM with Audio Visual Information Fusion and Dynamic Kalman Smoothing**
ÖZBEK İ. Y. , DEMİREKLER M., HASEGAWA JOHNSON M.
IEEE Transactions On Audio Speech And Language Processing, vol.19, pp.1180-1195, 2011 (Journal Indexed in

SCI)

- **A METRIC FUNCTION FOR FAST AND ACCURATE PERMITTIVITY DETERMINATION OF LOW TO HIGH LOSS MATERIALS FROM REFLECTION MEASUREMENTS**

HASAR U. C. , ORAL E. A. , ÖZBEK İ. Y.

Progress In Electromagnetics Research-Pier, vol.107, pp.397-412, 2010 (Journal Indexed in SCI Expanded)

- **Dynamic Speech Spectrum Representation and Tracking Variable Number of Vocal Tract Resonance Frequencies With Time-Varying Dirichlet Process Mixture Models**

ÖZKAN E., Ozbek I. Y. , Demirekler M.

IEEE TRANSACTIONS ON AUDIO SPEECH AND LANGUAGE PROCESSING, vol.17, pp.1518-1532, 2009 (Journal Indexed in SCI)

Books & Book Chapters

- **Optical Characterization of Porous Silicon Multilayers**

HASAR U. C. , ÖZBEK İ. Y. , KARACALI T.

in: Handbook of Porous Silicon, Canham Leigh, Editor, Springer, pp.1-12, 2017

Refereed Congress / Symposium Publications in Proceedings

- **Uydu Görüntüleriyle Heliport Tespiti**

SAĞLAM H. K. , KILIÇ R., ERTAŞ S., ORAL E. A. , ÖZBEK İ. Y.

27. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Sivas, Turkey, 24 - 26 April 2019, pp.1

- **Uydu Görüntüleriyle Heliport Tespiti**

KILIÇ R., EVCAN ERTAŞ S., SAĞLAM H. K. , ORAL E. A. , ÖZBEK İ. Y.

2019 SIU Sinyal İşleme ve İletişim Uygulamaları, Sivas, Turkey, 24 - 26 April 2019, pp.527

- **Detection of Diabetic Retinopathy with Integration of Deep Learning**

Sağlam H. K. , KILIÇ R., ORAL E. A. , ÖZBEK İ. Y.

ISASE2018, 26 - 28 November 2018

- **Detection of Plant Disease From Plant Image**

KILIÇ R., Sağlam H. K. , ORAL E. A. , ÖZBEK İ. Y.

ISASE2018, 26 - 28 November 2018

- **Classification of Images Obtained by SAR (Synthetic Aperture Radar) Data**

KUMBASAR N., ORAL E. A. , Omeroglu A. N. , ÖZBEK İ. Y. , ABDO H. M.

ISASE2018, 26 - 28 November 2018

- **Ship Detection In Satellite Images**

POLAT M., ÖZBEK İ. Y. , ORAL E. A.

ISASE2018, 26 - 28 November 2018

- **Vehicle Detection Based on Semantic Segmentation**

ÖMEROĞLU A. N. , ORAL E. A. , KUMBASAR N., ÖZBEK İ. Y. , ABDO H. M.

ISASE2018, 26 - 28 November 2018

- **Lane Detection with Convolutional Neural Network**

ORAL E. A. , ABDO MOHAMMED H. M. , ÖZBEK İ. Y.

ISASE2018, 26 - 28 November 2018

- **Traffic Sign Recognition Using Deep Convolutional Neural Network**

TIRYAKI B., ORAL E. A. , ÖZBEK İ. Y.

ISASE2018, 26 - 28 November 2018

- **In vivo Sensors and Biotechnological Neuroscience Implementations**

HACIMÜFTÜOĞLU A., ÇAVUŞOĞLU B., ÖZBEK İ. Y. , ERTUĞRUL M., OKKAY U., TAGHIZADEHGHALEHJOUGHIA.

International İvek Bio Congress, 26 - 28 November 2018

- **Gender Detection with Heart Sound Using MFCC-based Statistical**

DAL F., ÖZBEK İ. Y.

ELECO 2017, 30 November - 02 December 2017

- **Gender Classification Based on EEG Signal**

ÇODUR M. M. , ORAL E. A. , ÖZBEK İ. Y.

EUSIPCO 2017, 28 August - 02 September 2017

- **Sleep Stage Classification Based on EEG signal**

ORAL E. A. , ÇODUR M. M. , ÖZBEK İ. Y.

ICADET 2017, 21 - 23 September 2017

- **Beyin Hastalıkları Araştırmalarında Biyoyumlu Mikroelektrot Fabrikasyonu”**

ÖZBEK İ. Y.

43. ULUSAL FİZYOLOJİ KONGRESİ, 7 - 10 September 2017

- **Amperometric Brain Sensors for Monitoring Dopamine Concentration**

ACAR M., ARAS G., ÖZBEK İ. Y. , ÇAVUŞOĞLU B., HACİMÜFTÜOĞLU A.

NANOTR 2017, 22 - 25 October 2017

- **Cepstrum Coefficients Based Sleep Stage Classification**

ORAL E. A. , ÇODUR M. M. , ÖZBEK İ. Y.

GLOBALsip2017, 14 - 16 November 2017

- **Generalized filter bank design for sleep stage classification Genelleştirilmiş süzgeç kümesi tasarımı ile uyku evresi sınıflandırma**

ORAL E. A. , Çodur M. M. , ÖZBEK İ. Y.

2017 International Artificial Intelligence and Data Processing Symposium, IDAP 2017, Malatya, Turkey, 16 - 17 September 2017

- **Gender clasification based on single channel EEG signal Tek kanalli EEG sinyali ile cinsiyet sınıflandırma**

ORAL E. A. , ÖZBEK İ. Y. , Çodur M. M.

2017 International Artificial Intelligence and Data Processing Symposium, IDAP 2017, Malatya, Turkey, 16 - 17 September 2017

- **Gender Classification Based on EEG Signal**

ÇODUR M. M. , ORAL E. A. , ÖZBEK İ. Y.

ICADET 2017, 21 - 23 September 2017

- **Sleep stage classification based on filter bank optimization Süzgeç Kümesi Optimizasyonu ile Uyku Evresi Sınıflandırma**

ORAL E. A. , Codur M. M. , ÖZBEK İ. Y.

25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Turkey, 15 - 18 May 2017

- **Gender Detection with Heart Sound Using MFCC-based Statistical Features**

Dal F., ÖZBEK İ. Y.

10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.553-556

- **Generalized Filter Bank Design For Sleep Stage Classification**

Oral E. A. , Codur M. M. , ÖZBEK İ. Y.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

- **Gender Clasification Based on Single Channel EEG Signal**

Oral E. A. , ÖZBEK İ. Y. , ÇODUR M. M.

2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 September 2017

- **Sleep Stage Classification Based on Filter Bank Optimization**

Oral E. A. , Codur M. M. , ÖZBEK İ. Y.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- **Age Estimation Based on Forced Expiratory Spirometry**

COŞĞUN S., ÖZBEK İ. Y.

Biyomut, 3 - 05 November 2016

- **Gender Detection with Heart Sound Based on SVM**

DAL F., ÖZBEK İ. Y.

Biyomut, 3 - 05 November 2016

- **BIOCOMPATIBLE CERAMIC BASED MICROELECTRODE FABRICATION FOR DIAGNOSIS AND TREATMENT OF BRAIN DISORDERS**
ACAR M., ARAS G., ÖZBEK İ. Y. , ORAL E. A. , ÇAVUŞOĞLU B.
ICENS, 24 - 28 May 2016
- **BIOCOMPATIBLE CERAMIC BASED MICROELECTRODE FABRICATION FOR DIAGNOSIS AND TREATMENT OF BRAIN DISORDERS**
ACAR M., ARAS G., ÖZBEK İ. Y. , ORAL E. A. , ÇAVUŞOĞLU B.
International Conference on Engineering and Natural Sciences (ICENS) 2016, 24 - 28 May 2016
- **BIOCOMPATIBLE CERAMIC-BASED MICROELECTRODE FABRICATION FOR DIAGNOSIS AND TREATMENT OF BRAIN DISORDERS**
ACAR DEMİR M., ARAS G., ÖZBEK İ. Y. , ORAL E. A. , ÇAVUŞOĞLU B.
ICENS, Sarejova, Bosnia And Herzegovina, 24 May 2016, pp.129
- **BIOCOMPATIBLE CERAMIC-BASED MICROELECTRODE FABRICATION FOR DIAGNOSIS AND TREATMENT OF BRAIN DISORDERS**
ACAR M., ARAS G., ÖZBEK İ. Y. , ORAL E. A. , ÇAVUŞOĞLU B.
ICENS, Sarejova, Bosnia And Herzegovina, 24 May 2016, pp.129
- **The Effect of Bazal Noise Reduction Method for Improving the Limit of Detection LOD of the Microsensor on In Vivo Neurotransmitter Analysis**
KOÇ H., GÜLŞAH K., GEYİKOĞLU M. D. , MUHAMMET EMİN D., ACAR M., ÇAVUŞOĞLU B., ÖZBEK İ. Y. , ORAL E. A. , HACİMÜFTÜOĞLU A., SÖNMEZ E., et al.
ELECTROTECH 2015, 2 - 04 November 2015
- **Fabrication of A New Ceramic Based Microelectrode for Measurement of Neurotransmitter In The Central Nervous System**
ACAR M., SHAMSİ H., OYAR O., ÖZBEK İ. Y. , HACİMÜFTÜOĞLU A., ÇAVUŞOĞLU B., ORAL E. A. , KARACALI T., SÖNMEZ E., ERTUĞRUL M., et al.
DAKAM, Electrotech '15, III. International Electrical & Electronic Engineering and Technologies Conference, Turkey, 2 - 03 October 2015
- **Fabrication of a New Ceramic based Microelectrode for Measurement of Neurotransmitters in the Central Nervous System**
ACAR M., SHAMSİ H., OĞUZHAN O., KOÇ H., ÖZBEK İ. Y. , ÇAVUŞOĞLU B., ORAL E. A. , HACİMÜFTÜOĞLU A., SÖNMEZ E., KARACALI T., et al.
ELECTROTECH '15, 2 - 04 October 2015
- **Improving the limit of detection (LOD) of microsensor used in detection of brain diseases via wavelet filter**
KOC H., KADIHASANOGLU G., GEYIKOGLU M. D. , DERTLİ M. E. , ÇAVUŞOĞLU B., ÖZBEK İ. Y. , ORAL E. A. , HACİMÜFTÜOĞLU A., HACİMÜFTÜOĞLU A., SÖNMEZ E., et al.
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015 - Proceedings, Malatya, Turkey, 16 - 19 May 2015, pp.1676-1679
- **Beyin Hastalıklarının Tanı Ve Tedavisi İçin Mikroelektrot Fabrikasyonu**
ACAR M., SHAMSİ H., ÖZBEK İ. Y.
SİU, Malatya, Turkey, 16 - 19 May 2015, pp.1
- **Beyin Hastalıklarının Tanı Ve Tedavisi İçin Mikroelektrot Fabrikasyonu**
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- **Improving the limit of detection (LOD) of microsensor used in detection of brain diseases via wavelet filter Beyin Hastalıklarının Tanısında Kullanılan Mikrosensörün Dalgacık Filtre Kullanılarak Algılama Alt**

Sinirinin İyileştirilmesi

Koc H., Kadihasanoglu G., Geyikoglu M. D. , DERTLİ M. E. , ÇAVUŞOĞLU B., ÖZBEK İ. Y. , ORAL E. A. , HACİMÜFTÜOĞLU A., SÖNMEZ E., KARACALI T., et al.

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- **Gender prediction based on the expiratory flow volume curve Ekspirasyon Akım-Vollim Egrisine Dayalı Cinsiyet Tahmini**
COŞĞUN S., ÖZBEK İ. Y.
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- **Gender Detection with Heart Sound**
DAL F., COŞĞUN S., ÖZBEK İ. Y.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2362-2365
- **Gender Prediction Based On The Expiratory Flow Volume Curve**
Cosgun S., ÖZBEK İ. Y.
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- **Microelectrod fabrication for diagnosis and treatment of brain disorders Beyin Hastalıklarının Tani Ve Tedavisi İçin Mikroelektrot Fabrikasyonu**
ACAR M., Shamsi H., Oyar O., ÖZBEK İ. Y. , HACİMÜFTÜOĞLU A., ÇAVUŞOĞLU B., ORAL E. A. , KARACALI T., SÖNMEZ E., ERTUĞRUL M., et al.
2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.2058-2061
- **Age Group Classification and Gender Detection Based on Forced Expiratory Spirometry**
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37th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Milan, Italy, 25 - 29 August 2015, pp.550-553
- **Solunum Fonksiyon Testine Bağlı Cinsiyet Tanıma**
COŞĞUN S., ÖZBEK İ. Y.
2014 18. IEEE Biyomedikal Mühendisliği Ulusal Toplantısı (BIYOMUT), İstanbul, Turkey, 15 - 19 October 2014
- **New Silicon Based Multisite Microelectrode Fabrication for Neurotransmitter Concentration Detection**
SHAMSİ H., ACAR M., OYAR O., ÖZBEK İ. Y. , HACİMÜFTÜOĞLU A., ORAL E. A. , ÇAVUŞOĞLU B., SÖNMEZ E., KARACALI T., ERTUĞRUL M., et al.
10th Nanoscience and Nanotechnology Conference, June 2014, Istanbul, TURKEY, Turkey, 17 - 21 July 2014
- **Gender Detection Based on Pulmonary Function Test**
Cosgun S., ÖZBEK İ. Y.
18th National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 16 - 17 October 2014
- **Heart Sound Detection in Respiratory Sound Using Hidden Markov Model**
SHAMSİ H., ÖZBEK İ. Y.
2013 21th European Signal Processing Conference (EUSIPCO), Marrakech, Morocco, 9 - 15 September 2013
- **Online Estimation of Lower and Upper Bounds for Heart Sound Boundaries in Chest Sound Using Convex Hull Algorithm**
ÇAĞLAR F., ÖZBEK İ. Y.
2012 34th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), 28 August - 01 September 2012
- **Heart Sound Localization in Chest Sound Using Temporal Fuzzy c Means Classification**
SHAMSİ H., ÖZBEK İ. Y.
2012 34th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), San Diego, CA, 28 August - 01 September 2012
- **Göğüs Sesi İçerisinde Kalp Sesi Yerlerinin Tespitinde Çevrimiçi Ekleme Hatasının Azaltılması**
ÇAĞLAR F., ÖZBEK İ. Y.
2012 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu (ASYU), Trabzon, Turkey, 12 - 14 July 2012

- **Türkçe deki Patlamalı Seslerin Locus Denklemleri**
AKDEMİR E., ÖZBEK İ. Y. , ÇİLOĞLU T.
2012 20. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Mugla, Turkey, Turkey, 18 - 20 April 2012
- **Heart Sound Localization In Chest Sound Using Convex Hull Algorithm**
ÇAĞLAR F., ÖZBEK İ. Y.
2011 7th International Conference Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 15 December - 15 October 2011
- **Kalp Seslerinin Göğüs Sesi İçerisinde Uyarlamalı Eşik Değeri ile Bulunması**
ÇAĞLAR F., ÖZBEK İ. Y.
2011 15. IEEE Biyomedikal Mühendisliği Ulusal Toplantısı (BIYOMUT), Antalya, Turkey, 13 - 15 October 2011
- **ML vs MAP Parameter Estimation of Linear Dynamic Systems for Acoustic to Articulatory Inversion A Comparative Study**
ÖZBEK İ. Y. , DEMİREKLER M.
2010 18th European Signal Processing Conference (EUSIPCO), Aalborg, Denmark, 23 - 27 August 2010
- **Akustik ve Görsel Veriler Kullanılarak Artikülasyon Hareketlerinin Gauss Karışım Modellerine GKM Dayalı Kestirimi**
ÖZBEK İ. Y. , DEMİREKLER M.
2010 18. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Diyarbakir, Turkey, Turkey, 22 - 24 April 2010
- **Formant Trajectories for Acoustic to Articulatory Inversion**
ÖZBEK İ. Y. , HASEGAWA JOHNSON M., DEMİREKLER M.
2009 10th Annual Conference of the International Speech Communication Association (INTERSPEECH), Brighton, United Kingdom, 9 - 11 April 2009
- **FROM ACOUSTICS TO VOCAL TRACT TIME FUNCTIONS**
Mitra V., Oezbek I. Y. , Nam H., Zhou X., Espy-Wilson C. Y.
IEEE International Conference on Acoustics, Speech and Signal Processing, Taipei, Taiwan, 19 - 24 April 2009, pp.4497-4498
- **Dağıtık Mimarili Savunma Sistemlerinde Füzyon Katmanlarının Birleştirilerek İzleme Başarımının İyileştirilmesi**
DEMİREKLER M., ÖZKAN E., ÖZBEK İ. Y.
2008 Savunma Teknolojileri Kongresi (SAVTEK), Ankara, Turkey, 19 - 21 June 2008
- **Ses Yolu Rezonans Frekanslarının Dinamik Programlama ve Kalman Süzgeci Yardımıyla İzlenmesi**
ÖZBEK İ. Y. , DEMİREKLER M.
2008 16. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Aydın, Turkey, Turkey, 20 - 22 April 2008
- **Vocal tract resonances tracking based on voiced and unvoiced speech classification using dynamic programming and fixed interval Kalman smoother**
Oezbek I. Y. , Demirekler M.
33rd IEEE International Conference on Acoustics, Speech and Signal Processing, Nevada, United States Of America, 30 March - 04 April 2008, pp.4217-4220
- **Ses Sinyalinin Formant Frekanslarının İzlenmesi**
ÖZBEK İ. Y. , DEMİREKLER M.
2006 14. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Antalya, Turkey, Turkey, 12 - 14 October 2006
- **Tracking of Visible Vocal Tract Resonances VVTR Based on Kalman Filtering**
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