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Publons / Web Of Science ResearcherID: G-4701-2018

Yoksis Araştırmacı ID: 132910

Eğitim Bilgileri

Doktora, Clemson University, Yabancı Diller Yüksekokulu, Electrical Engineering, Amerika Birleşik Devletleri 1996 - 2001

Yüksek Lisans, Clemson University, Yabancı Diller Yüksekokulu, Electrical Engineering, Amerika Birleşik Devletleri 1994 - 1996

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik, Türkiye 1982 - 1987

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Local Feature Extraction for Robust Speech Recognition in the presence of Noise, Clemson University, Faculty Of Engineering, Electrical Engineering, 2001

Araştırma Alanları

Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği, Sinyal İşleme, Konuşma Analizi ve İşleme Teknikleri , Sinyal İşleme Kuramı ve Metotları, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Çukurova Üniversitesi, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2011 - Devam Ediyor

Akademik İdari Deneyim

Çukurova Üniversitesi, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2013 - Devam Ediyor

Yönetilen Tezler

TÜFEKÇİ Z., Noise Robust Speech Recognition Using Parallel Model Compensation and Voice Activity Detection Methods, Yüksek Lisans, S.HIZLISOY(Öğrenci), 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Feature-based hybrid strategies for gradient descent optimization in end-to-end speech recognition**
Dokuz Y., TÜFEKÇİ Z.
MULTIMEDIA TOOLS AND APPLICATIONS, cilt.81, sa.7, ss.9969-9988, 2022 (SCI-Expanded)
- II. **Mini-batch sample selection strategies for deep learning based speech recognition**
Dokuz Y., TÜFEKÇİ Z.
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- III. **Scale-invariant MFCCs for speech/speaker recognition**
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TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.27, sa.5, ss.3758-3762, 2019 (SCI-Expanded)
- IV. **A robust polynomial regression-based voice activity detector for speaker verification**
DISKEN G., TÜFEKÇİ Z., ÇEVİK U.
EURASIP JOURNAL ON AUDIO SPEECH AND MUSIC PROCESSING, 2017 (SCI-Expanded)
- V. **A Review on Feature Extraction for Speaker Recognition under Degraded Conditions**
DISKEN G., TÜFEKÇİ Z., SARIBULUT L., ÇEVİK U.
IETE TECHNICAL REVIEW, cilt.34, sa.3, ss.321-332, 2017 (SCI-Expanded)
- VI. **Speaker Model Clustering to Construct Background Models for Speaker Verification**
DISKEN G., TÜFEKÇİ Z., ÇEVİK U.
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- VII. **Convolutional bias removal based on normalizing the-filterbank spectral magnitude**
Tufekci Z.
IEEE SIGNAL PROCESSING LETTERS, cilt.14, sa.7, ss.485-488, 2007 (SCI-Expanded)
- VIII. **Applied mel-frequency discrete wavelet coefficients and parallel model compensation for noise-robust speech recognition**
Tufekci Z., Gowdy J. N., Gurbuz S., Patterson E.
SPEECH COMMUNICATION, cilt.48, sa.10, ss.1294-1307, 2006 (SCI-Expanded)
- IX. **Moving-talker, speaker-independent feature study, and baseline results using the WAVE Multimodal speech corpus**
Patterson E., Gurbuz S., Tufekci Z., Gowdy J.
EURASIP JOURNAL ON APPLIED SIGNAL PROCESSING, cilt.2002, sa.11, ss.1189-1201, 2002 (SCI-Expanded)
- X. **Affine-invariant visual features contain supplementary information to enhance speech recognition**
Gurbuz S., Patterson E., Tufekci Z., Gowdy J.
AUDIO- AND VIDEO-BASED BIOMETRIC PERSON AUTHENTICATION, PROCEEDINGS, cilt.2091, ss.175-181, 2001 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Noise-Robust Spoofed Speech Detection Using Discriminative Autoencoder**
Dişken G., TÜFEKÇİ Z.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, cilt.19, sa.2, ss.167-174, 2023 (Hakemli Dergi)
- II. **A Review on Deep Learning Architectures for Speech Recognition**
DOKUZ Y., TÜFEKÇİ Z.
European Journal of Science and Technology, cilt.2020, ss.169-176, 2020 (Hakemli Dergi)
- III. **LSTM Hiperparametrelerinin Ses Tanıma Performansına olan Etkilerinin Araştırılması**

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A Review on Deep Learning Architectures for Speech Recognition**
DOKUZ Y., TÜFEKÇİ Z.
International Conference On Access To Recent Advances In Engineering And Digitalization (ARACONF), Kayseri, Türkiye, 5 - 07 Mart 2020, ss.68-69
- II. **Investigation of the Effect of LSTM Hyperparameters on Speech Recognition Performance**
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International Conference On Access To Recent Advances In Engineering And Digitalization (ARACONF), Kayseri, Türkiye, 5 - 07 Mart 2020, ss.66-67
- III. **Real-Time Speaker Independent Isolated Word Recognition on Banana Pi**
Disken G., Saribulut L., TÜFEKÇİ Z., ÇEVİK U.
10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Iasi, Romanya, 28 - 30 Haziran 2018
- IV. **NOISE ROBUST SPEECH RECOGNITION USING PARALLEL MODEL COMPENSATION AND VOICE ACTIVITY DETECTION METHODS**
HIZLISOY S., TÜFEKÇİ Z.
2016 5th International Conference on Electronic Devices, Systems and Applications (ICEDSA 2016), Râ`S Al-Khaimah, Birleşik Arap Emirlikleri, 6 - 08 Aralık 2016, ss.1-4
- V. **Noise Robust Speech Recognition Using Parallel Model Compensation and Voice Activity Detection Methods**
HIZLISOY S., TÜFEKÇİ Z.
5th International Conference on Electronic Devices, Systems and Applications (ICEDSA), Ras al-Khaimah, Birleşik Arap Emirlikleri, 6 - 08 Aralık 2016
- VI. **Subband feature extraction using lapped orthogonal transform for speech recognition**
TÜFEKÇİ Z., Gowdy J.
IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, Amerika Birleşik Devletleri, 7 - 11 Mayıs 2011, cilt.1, ss.149-152
- VII. **Application of affine-invariant Fourier descriptors to lipreading for audio-visual speech recognition**
Gurbuz S., TÜFEKÇİ Z., Patterson E., Gowdy J.
IEEE International Conference on Acoustics, Speech, and Signal Processing, Salt Lake City, Amerika Birleşik Devletleri, 7 - 11 Mayıs 2011, cilt.1, ss.177-180
- VIII. **Noise Robust Speaker Verification Using Mel Frequency Discrete Wavelet Coefficients and Parallel Model Compensation**
TÜFEKÇİ Z., gurbuz s.
ICASSP 2005, 19 - 23 Mart 2005
- IX. **İYTE de Sinyal İşleme Eğitimi**
ALTINKAYA M. A., GÜMÜŞTEKİN Ş., TÜFEKÇİ Z., SAVACI F. A.
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- X. **Multi Stream Product Modal Audio Visual Integration Strategy for Robust Adaptive Speech Recognition**
gurbuz s., patterson e., TÜFEKÇİ Z., gowdy j.
ICASSP 2002, 13 Mayıs 2002 - 17 Mayıs 2001
- XI. **CUAVE A New Audio Visual Database for Multimodal Human Computer Interface Research**
patterson e., gurbuz s., TÜFEKÇİ Z., gowdy j.
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- XII. **Noise Based Audio Visual Fusion for Robust Speech Recognition**

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AVSP-2001, 7 - 09 Eylül 2001

XIII. Lip-Reading from Parametric Lip Contours for Audio-Visual Speech Recognition

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XIV. Applying Parallel Model Compensation with Mel-Frequency Discrete Wavelet Coefficients for Noise-Robust Speech Recognition

TÜFEKÇİ Z., Gowdy J., Gurbuz S., Patterson E.

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XV. Independent Information from Visual Features for Multimodal Speech Recognition

gurbuz s., TÜFEKÇİ Z., patterson e., gowdy j.

IEEE Southeastcon, 31 Mart - 01 Nisan 2001

XVI. Mel-scaled discrete wavelet coefficients for speech recognition

Gowdy J., TÜFEKÇİ Z.

2000 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, İstanbul, Türkiye, 5 - 09 Haziran 2000, cilt.5, ss.1351-1354

XVII. Feature extraction using discrete wavelet transform for speech recognition

TÜFEKÇİ Z., Gowdy J.

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XVIII. Speech spectrogram based model adaptation for speaker identification

Gurbuz S., Gowdy J., TÜFEKÇİ Z.

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Metrikler

Yayın: 33

Atf (WoS): 91

Atf (Scopus): 128

H-İndeks (WoS): 4

H-İndeks (Scopus): 4