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Personal Information

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Education Information

Doctorate, University Of Pittsburgh, Elektrik Ve Bilgisayar Mühendisliği, United States Of America 2005 - Continues
Post Graduate, İstanbul Teknik Üniversitesi, Bilişim Enstitüsü, Bilgisayar Bilimleri Anabilim Dalı, Turkey 2002 - 2004
Under Graduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği
Bölümü, Turkey 1998 - 2002

Dissertations

Post Graduate, İkizge Dilimi Kullanarak Metinden Bağımsız Konuşmacı Belirleme, İstanbul Teknik Üniversitesi, Bilgisayar
Bilimleri Anabilim Dalı, 2016
Doctorate, Spatial filtering of Magnetoencephalographic Data in Spherical Harmonics Domain, University Of Pittsburgh,
Elektrik Ve Bilgisayar Mühendisliği, 2009

Professional Experience

Assistant Director of the Institute, Middle East Technical University, Graduate School of Informatics, 2016 - Continues

Advising Theses

ÖZKURT T. E. , BRAIN OSCILLATORY ANALYSIS OF VISUAL WORKING MEMORY ERRORS, Doctorate, I.MAPELLI(Student),
2019
ÖZKURT T. E. , Resting state brain connectivity via bicoherence and coherence, Post Graduate, A.LEVENT(Student), 2018
ÖZKURT T. E. , Cognitive aspects of brain-computer communication: An implementation and extension of the P300
speller paradigm, Post Graduate, U.ACAR(Student), 2018
ÖZKURT T. E. , Effect of bilateral somatosensory stimulus on oscillatory brain activity and long term memory, Post
Graduate, G.GÖKTEPE(Student), 2017
ÖZKURT T. E. , Classification of emotions in vocal responses, Post Graduate, E.ÇAĞLAYAN(Student), 2017
ÖZKURT T. E. , Suppression of semantic interference during an auditory working memory task: An EEG study, Post
Graduate, N.MELNIK(Student), 2015
ÖZKURT T. E. , NEUROPSYCHOLOGICAL PROCESSING OF TURKISH MORPHOLOGY: INVESTIGATION OF INFLECTION,
DERIVATION AND COMPOUNDING, Doctorate, S.ÖZER(Student), 2013

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

- **Brain Oscillatory Correlates of Visual Short-Term Memory Errors**
Mapelli I, ÖZKURT T. E.
FRONTIERS IN HUMAN NEUROSCIENCE, vol.13, 2019 (Journal Indexed in SCI)
- **N1-P2: Neural markers of temporal expectation and response discrimination in interval timing**

Duzcu H., ÖZKURT T. E. , Mapelli I., Hohenberger A.

ACTA NEUROBIOLOGIAE EXPERIMENTALIS, vol.79, pp.193-204, 2019 (Journal Indexed in SCI)

● **Unilateral deep brain stimulation suppresses alpha and beta oscillations in sensorimotor cortices**

Abbasi O., Hirschmann J., Storzer L., ÖZKURT T. E. , Elben S., Vesper J., Wojtecki L., Schmitz G., Schnitzler A., Butz M.
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● **Modulation of alpha oscillations is required for the suppression of semantic interference**

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● NEUROBIOLOGY OF LEARNING AND MEMORY, vol.144, pp.11-18, 2017 (Journal Indexed in SCI)

● **Parkinsonian Rest Tremor Is Associated With Modulations of Subthalamic High-Frequency Oscillations**

Hirschmann J., Butz M., Hartmann C. J. , Hoogenboom N., ÖZKURT T. E. , Vesper J., Wojtecki L., Schnitzler A.

● MOVEMENT DISORDERS, vol.31, pp.1551-1559, 2016 (Journal Indexed in SCI)

● **Estimation of nonlinear neural source interactions via sliced bicoherence**

ÖZKURT T. E.

● BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.30, pp.43-52, 2016 (Journal Indexed in SCI)

● **A direct relationship between oscillatory subthalamic nucleus-cortex coupling and rest tremor in Parkinson's disease**

Hirschmann J., Hartmann C. J. , Butz M., Hoogenboom N., ÖZKURT T. E. , Elben S., Vesper J., Wojtecki L., Schnitzler A.

● BRAIN, vol.136, pp.3659-3670, 2013 (Journal Indexed in SCI)

● **Differential modulation of STN-cortical and cortico-muscular coherence by movement and levodopa in Parkinson's disease**

Hirschmann J., ÖZKURT T. E. , Butz M., Homburger M., Elben S., Hartmann C. J. , Vesper J., Wojtecki L., Schnitzler A.

● NEUROIMAGE, vol.68, pp.203-213, 2013 (Journal Indexed in SCI)

● **Statistically Reliable and Fast Direct Estimation of Phase-Amplitude Cross-Frequency Coupling**

Ozkurt T. E.

IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, vol.59, pp.1943-1950, 2012 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

● **On the Most Informative Slice of Bicoherence That Characterizes Resting State Brain Connectivity**

Kandemir A. L. , ÖZKURT T. E.

● European Signal Processing Conference (EUSIPCO), Rome, Italy, 3 - 07 August 2018, pp.1382-1386

● **ADAPTIVE IDENTIFICATION OF OSCILLATORY BANDS FROM SUBCORTICAL NEURAL DATA**

ÖZKURT T. E. , Butz M., Hirschmann J., Schnitzler A.

● 23rd European Signal Processing Conference (EUSIPCO), Nice, France, 31 August - 04 September 2015, pp.2586-2590

● **Spectral Features of Heart Rate Variability Obtained from a Video Camera**

ÇAĞLAYAN E., ÖZKURT T. E.

● 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.955-957

Supported Projects

● ÖZKURT T. E. , GÖKTEPE G., Project Supported by Higher Education Institutions, Bellek performansını artırıcı dokusal ve işitsel ritmik uyaran parametrelerinin belirlenimi, 2017 - 2017

● YILDIRIM İ. S. , ÖZKURT T. E. , Project Supported by Higher Education Institutions, Elektronik Öğrenme Tasarım

İlkelerinin EEG Verileri ile Doğrulanması: Deneysel Çalışma, 2016 - 2016

● ÖZKURT T. E. , MAPELLI I., Project Supported by Higher Education Institutions, Sözel Bellek Performansının Nicelenmesi Ve Frontal İzdüşümü, 2012 - 2014

Citations

Total Citations (WOS):163

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