Asst. Prof. REİS BURAK ARSLAN

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAA-8173-2020
ScopusID: 55293774400
Yoksis Researcher ID: 133021

Education Information

Doctorate, Bogazici University, Institute Of Bıomedıcal Engıneerıng, Department Of Bıomedıcal Electronıcs, Turkey 1991 - 2000
Postgraduate, Bogazici University, Institute Of Bıomedıcal Engıneerıng, Department Of Bıomedıcal Electronıcs, Turkey 1988 - 1991
Undergraduate, Istanbul Technical University, Bilgisayar Ve Bilişim Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1983 - 1988

Foreign Languages

French, C1 Advanced
English, C1 Advanced
Italian, C1 Advanced

Research Areas

Computer Sciences, Biomedical Engineering

Academic Titles / Tasks

Assistant Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi, 2005 - Continues

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi, 2017 - Continues
Enstitü Yönetim Kurulu Üyesi, Galatasaray University, Fen Bilimleri Enstitüsü, -, 2010 - Continues
Head of Department, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2017

Courses

Mikroişlemciler, Undergraduate, 2021 - 2022

Advising Theses

Arslan R. B., DESIGN AND IMPLEMENTATION OF A SMART WRISTBANDFOR MONITORING PHYSIOLOGICAL AND EMOTIONAL STATUSOF THE USER, Postgraduate, Ç.CANDAN(Student), 2022
Arslan R. B., Simulation based analysis of driver's stress level using physiological signals, Postgraduate, Ö.GÜNAYDIN(Student), 2021
Arslan R. B., Use of brain computer interfaces in main control of video games and in dynamic difficulty adjustment, Postgraduate, E.FİLİZ(Student), 2021
Arslan R. B., A web-based toolkit for recording and analysis of physiological signals in response to affective and cognitive stressors, Postgraduate, K.BEŞKARDEŞLER(Student), 2019
ARSLAN R. B., A surface electromyography based serious computer game for physiotherapy and rehabilitation, Postgraduate, T.GÜNAYDIN(Student), 2018
ARSLAN R. B., A portable and embedded SSVEP BCI system: emBCI, Postgraduate, O.ÇAĞLAYAN(Student), 2014
ARSLAN R. B., Classification of Cohesin family using class-specific motifs, Postgraduate, M.ERCÜMENT(Student), 2013
ARSLAN R. B., Les applications d'interaction humain - ordinateur, Postgraduate, M.YILMAZ(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Digital subtraction method for transient evoked otoacoustic emission recording with ipsilateral noise suppression: An application to stimulus artifact reduction**
Arslan R. B., Ozdamar O., Ulgen Y.
AUDIOLOGY, vol.40, no.2, pp.55-62, 2001 (SCI-Expanded)

Articles Published in Other Journals

I. **Wireless health monitoring for multiple patients on android phone with embedded computation**
PINARER Ö., Parmaksiz A., Ibrahim A., ARSLAN R. B., ÖZGÖVDE B. A.
Biomedical Engineering, vol.9, no.1, pp.569, 2012 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **A Wearable System Implementation for the Internet of Medical Things (IoMT)**
ARSLAN R. B., Candan Ç.
44th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2022, Glasgow, England, 11 - 15 July 2022, vol.2022-July, pp.2447-2450
II. **Stress Level Detection Using Physiological Sensors**
Gunaydin O., ARSLAN R. B.
20th IEEE International Conference on Bioinformatics and Bioengineering, BIBE 2020, Ohio, United States Of America, 26 - 28 October 2020, pp.509-512
III. **Design and Implementation of Steady State Visual Evoked Potential Based Brain Computer Interface Video Game**
Filiz E., ARSLAN R. B.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020

IV. **Implementation of a Simulated Environment for Data Acquisition to Monitor Drivers'xx Stress Levels**
ARSLAN R. B.
2019 SCIENTIFIC MEETING ON ELECTRICAL-ELECTRONICS BIOMEDICAL ENGINEERING AND COMPUTER SCIENCE (EBBT), İstanbul, Turkey, 24 - 26 April 2019

V. **Implementation of a Simulated Environment for Data Acquisition to Monitor Drivers' Stress Levels**
ARSLAN R. B., Gunaydin O.
International Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science (EBBT), İstanbul, Turkey, 24 - 26 April 2019

VI. **LOWER-LIMB FOLLOW-UP: A Surface Electromyography Based Serious Computer Game and Patient Follow-Up System For Lower Extremity Muscle Strengthening Exercises in Physiotherapy and Rehabilitation**
Gunaydin T., ARSLAN R. B.
32nd IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS), Cordoba, Argentina, 5 - 07 June 2019, pp.507-512

VII. **Web-Based Evaluation of User Stress Using Stroop Test and Wearable Hardware**
Beskardesler K., ARSLAN R. B.
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.959-962

VIII. **A Surface Electromyography Based Serious Game For Increasing Patient Participation To Physiotherapy and Rehabilitation Treatment Following Anterior Cruciate and Medial Collateral Ligaments Operations**
Gunaydin T., ARSLAN R. B., ÇINAR B., Cirak Y., Elbasi N. D.
31st IEEE International Symposium on Computer-Based Medical Systems (CBMS), Karlstad, Sweden, 18 - 21 June 2018, pp.438-439

IX. **Analysis of Visual Stimulus Parameters for SSVEP Based Brain Computer Interfaces**
Saylam B., Caglayan O., ARSLAN R. B.
18th National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 16 - 17 October 2014

X. **Robotic arm control with brain computer interface using P300 and SSVEP**
Çağlayan O., ARSLAN R. B.
10th IASTED International Conference on Biomedical Engineering, BioMed 2013, Innsbruck, Austria, 13 - 15 February 2013, pp.141-144

XI. **Classification of cohesin family using class specific motifs**
Eser E. M., ARSLAN R. B., Sezerman U. O.
2013 8th International Symposium on Health Informatics and Bioinformatics, HIBIT 2013, Ankara, Turkey, 25 - 27 September 2013

XII. **Energy aware activity level monitoring with accelerometers**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
16th National Biomedical Engineering Meeting (BIYOMUT2012), Turkey, 3 - 05 October 2012

XIII. **Wireless health monitoring of multiple patients on android phone with embedded computation**
PINARER Ö., Parmaksiz A., Avci I., Arslan B., Ozgovde A.
9th IASTED International Conference on Biomedical Engineering, BioMed 2012, Innsbruck, Austria, 15 - 17 February 2012, pp.569-573

XIV. **P300 based auditory visual brain computer interface P300 tabanli işitsel görsel beyin bilgisayar bağlantisi**
Çağlayan O., ARSLAN R. B.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012

XV. **Wireless monitoring of health data via an open platform**
PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
15th National Biomedical Engineering Meeting (BIYOMUT2011), Turkey, 13 - 16 October 2011

XVI. **Extending the wireless monitoring period for e health applications**

PINARER Ö., ARSLAN R. B., ÖZGÖVDE B. A.
Akademik Bilisim AB'11, Turkey, 2 - 04 February 2011

XVII. **A real time music synthesis environment driven with biological signals**
Arslan B., Brouse A., Castet J., Lehembre R., Simon C., Filatriau J. J., Noirhomme Q.
31st IEEE International Conference on Acoustics, Speech and Signal Processing, Toulouse, France, 14 - 19 May 2006, pp.2420-2423

XVIII. **Biologically driven musical instrument**
ARSLAN R. B., Brouse A.
Enterface 05, 1 - 03 May 2005

XIX. **Smart-IPM: An adaptive tool for the preventive maintenance of medical equipment**
Arslan R. B., Ulgen Y.
23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Turkey, 25 - 28 October 2001, vol.23, pp.3950-3953

XX. **Epileptiform activity induction with electrolyte imbalance in brain slices: Mechanisms involved in control**
Saybasili H., Arslan R. B.
23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Turkey, 25 - 28 October 2001, vol.23, pp.947-950

Supported Projects

ARSLAN R. B., Project Supported by Higher Education Institutions, HERYERDE BİLİŞİM İÇİN AKILLI GİYSİ UYGULAMALARI, 2016 - 2019
ARSLAN R. B., Project Supported by Higher Education Institutions, SÜRÜCÜ DAVRANIŞLARININ SANAL BENZETİM ORTAMINDA TAKİBİ, 2016 - 2019
ARSLAN R. B., Project Supported by Higher Education Institutions, İNSAN-MAKİNA ETKİLEŞİMİNDE ÖZEL BİR UYGULAMA: İNSANSI ROBOTLARLA ÇOK KİPLİ ETKİLEŞİM, 2012 - 2015
ARSLAN R. B., Project Supported by Higher Education Institutions, İNSAN BİLGİSAYAR ETKİLEŞİMİNDE DERİ DİRENCİ DEĞİŞİKLİKLERİNİN İNCELENMESİ, 2011 - 2014
ARSLAN R. B., Project Supported by Higher Education Institutions, BEYİN- BİLGİSAYAR BAĞLANTISINA AİT BİR UYGULAMA: SANAL TUŞTAKIMI, 2008 - 2012
ARSLAN R. B., Project Supported by Higher Education Institutions, DİKKAT SEVİYESİNDEKİ DEĞİŞİMLERİN ELEKTROFİZYOLOJİK ÖLÇÜMLER İLE İZLENMESİ, 2008 - 2011

Metrics

Publication: 22
Citation (WoS): 12
Citation (Scopus): 31
H-Index (WoS): 2
H-Index (Scopus): 4