

Lect. Serhat Ilgaz YONER

Personal Information

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Biography

I have graduated from Yeditepe University Biomedical Engineering undergraduate program in 2016. Then I have pursued my graduate degree on Medical Engineering at Acibadem Mehmet Ali Aydınlar University and graduated at 2018. During the time of my graduate degree, I have served as an assistant in various Medical Engineering undergraduate courses. During my graduate degree, I also undertook the job of lecturer and taught various lectures in Vocational Schools under Acibadem Mehmet Ali Aydınlar University. In the summer of 2017, I have voluntarily did my internship at Drexel University (USA) for about 2 months. On the side, I have established Respo Gadgets with my partner Sefa Zülfiyar and developed products focused on the solution of health problems related to the respiratory system that are common in the society. As soon as I have finished my graduate degree in 2018, I have started the PhD program at Boğaziçi University Biomedical Engineering. The courses I have given so far in Vocational Schools and Undergraduate; Direct Current Circuit Analysis (BCT-103) (Application), Alternating Current Circuit Analysis (BCT-104) (Application), Electronic Components and Analysis I (BCT-203) (Theory and Application), Electronic Components and Analysis II (BCT- 204) (Theory and Practice), Professional Technical Drawing (PRO-223) (Drawing with Autodesk Fusion 360 Program), Biomedical Technologies (AHP-152) (Theory), Calibration II (BCT-122) (Theory and Practice), Support Systems and Devices (BCT-216) (Theory), Analog and Digital Circuits (MEG-201) (Application), Medical Electronics (MEG-202) (Application). My career goals; To implement mechanical and electronic know how into the field of biomedical engineering and thereby achieve innovation. Acquire PhD degree in the field of biomedical electronics. My areas of expertise; fNIRS technology, medical optics, biomedical instrumentation, 3D printers, medical mouthpiece devices, magnet design. Languages: English - Advanced (YDS; 91.25, TOEFL 84, IELTS 7.0), German - Beginner

Education Information

Doctorate, Bogazici University, Institute Of Biomedical Engineering, Department Of Biomedical Electronics, Turkey 2018 - Continues

Post Graduate, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Natural And Applied Sciences , Biomedical Engineering With Thesis, Turkey 2016 - 2018

Under Graduate, Yeditepe University, Faculty Of Engineering, Department Of Biomedical Engineering, Turkey 2010 - 2016

Foreign Languages

German, A2 Elementary

English, C1 Advanced

Dissertations

Post Graduate, WIRELESS fNIRS WITH SPATIALLY RESOLVED SHORT SEPARATION APPROACH FOR IMPROVED SNR, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Natural And Applied Sciences , Biomedical Engineering With Thesis, 2018

Research Areas

Biomedical Engineering, Electrical and Electronics Engineering, Physics, Engineering and Technology

Academic Titles / Tasks

Lecturer, Acibadem Mehmet Ali Aydınlar University, Vocational School, Biomedical Equipment Technology, 2020 - Continues

Lecturer, Acibadem Mehmet Ali Aydınlar University, Vocational School, Biomedical Equipment Technology, 2016 - 2020

Professional Experience

Assistant Director of Vocational School, Acibadem Mehmet Ali Aydınlar University, Vocational School, Biomedical Equipment Technology, 2020 - Continues

Courses

Biyomedikal Cihaz Teknolojisi, Associate Degree, 2019 - 2020

Mesleki Teknik Resim, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Destek Sistem ve Cihazlar, Associate Degree, 2019 - 2020

Kalibrasyon II, Associate Degree, 2019 - 2020

Elektronik Elemanlar ve Analiz II, Associate Degree, 2016 - 2017, 2017 - 2018

Alternatif Akım Devre Analizi (Laboratuvar), Associate Degree, 2017 - 2018

Medical Electronics (Laboratory), Under Graduate, 2016 - 2017

Elektronik Elemanlar ve Analiz I, Associate Degree, 2016 - 2017, 2017 - 2018

Doğru Akım Devre Analizi (Laboratuvar), Associate Degree, 2017 - 2018

Analogue and Digital Circuits (Laboratory), Under Graduate, 2016 - 2017, 2017 - 2018

Refereed Congress / Symposium Publications in Proceedings

- **Design of a digital current source with temperature feedback for fNIRS devices**

YONER S. I. , Ertas G., AKIN A.

21st National Biomedical Engineering Meeting, BIYOMUT 2017, İstanbul, Turkey, 24 - 26 November 2017

- **Development of a microcontroller controlled transistor based current source for pulse oximeter devices**

Puls Oksimetre Cihazlari için Mikrodenetleyici Kontrollü Transistor Temelli Bir Akım Kaynagi Geliştirilmesi

Yoner S. I. , Ertas G.

20th National Biomedical Engineering Meeting, BIYOMUT 2016, İzmir, Turkey, 3 - 05 December 2016

Entrepreneurship Activities

Anonymous, Respo Gadgets Tibbi Ürünler San. ve Tic. A.Ş., 28 April 2017, Co-Founder