Lect. Serhat Ilgaz YONER

Personal Information

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International Researcher IDs
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Education Information

Doctorate, Bogazici University, Institute Of Biomedical Engineering, Department Of Biomedical Electronics, Turkey 2018 - Continues
Postgraduate, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, Turkey 2016 - 2018
Undergraduate, Yeditepe University, Faculty Of Engineering-Architecture, Department Of Biomedical Engineering, Turkey 2010 - 2016

Foreign Languages

English, C1 Advanced
German, A2 Elementary

Certificates, Courses and Trainings

Innovative Product Design, Medical Technology Innovation I, H.H. Sun Prof. Banu Onaral, 2020

Dissertations

Postgraduate, WIRELESS fNIRS WITH SPATIALLY RESOLVED SHORT SEPARATION APPROACH FOR IMPROVED SNR, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2018

Research Areas

Bioinstrumentation and Microelectromechanical Systems (MEMS), Biomedical Optics, Biosignal Processing, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Magnetic Resonances and Relaxation

Academic Titles / Tasks

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

Academic and Administrative Experience

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

Courses

Calibration II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Technical Drawing, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Support Systems and Devices, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Information and Communication Technologies, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
Electronic Components and Analysis II, Undergraduate, 2021 - 2022, 2017 - 2018, 2016 - 2017
Biomedical Technologies, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Electronic Components and Analysis, Associate Degree, 2022 - 2023
Calibration I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Vocational English II, Undergraduate, 2020 - 2021
Electronic Components and Analysis I, Undergraduate, 2021 - 2022, 2017 - 2018, 2016 - 2017
Vocational English I, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Assessment of learning in simulator-based arthroscopy training with the diagnostic arthroscopy skill score (DASS) and neurophysiological measures**
Aksoy M. E., kocaoglu b., İzzetoglu K., Agrali A., Yoner S. I., Polat M. D., Kayaalp M. E., Yozgatli T. K., Kaya A., Becker R.
KNEE SURGERY, SPORTS TRAUMATOLOGY, ARTHROSCOPY, no.-, pp.1-14, 2023 (SCI-Expanded)

Articles Published in Other Journals

I. **Cognitive Load Quantified via Functional Near Infrared Spectroscopy During Immersive Training with VR Based Basic Life Support Learning Modules in Hostile Environment**
Aksoy M. E., Kitapçioğlu D., Yoner S. I., Usseli T.
vol.1, no.1, pp.359-372, 2023 (Conference Book)

Refereed Congress / Symposium Publications in Proceedings

I. **Finite Element Method Modelling of Iron – Oxide Nanoparticle Heat Generation Under Low Radio Frequency Field Conditions**
Yoner S. I.
19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics, Liepaja, Latvia, 12 - 14 June 2023, vol.89, pp.72-79
II. **VEGA-Vision: Wireless fNIRS with Spatially Resolved Short Separation Approach for Improved SNR**
Yoner S. I., Ertaş G., Akın A.
fNIRS2018, Tokyo, Japan, 5 - 08 October 2018, pp.78
III. **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
IV. **Development of a microcontroller controlled transistor based current source for pulse oximeter devices Puls Oksimetre Cihazlari için Mikrodenetleyici Kontrollü Transistor Temelli Bir Akim Kaynagi**

Geli\+tirilmesi

Yoner S. I., Ertas G.

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

Metrics

Publication: 6

Citation (Scopus): 1

H-Index (Scopus): 1