

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, Turkey 2016 - 2024

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, Turkey 2014 - 2016

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, Turkey 2008 - 2012

Undergraduate, Kocaeli University, Yabancı Diller Yüksekokulu, Yabancı Diller Y.O., Turkey 2007 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, El titreme etkilerini uç nokta konum regülasyonu ile azaltan iki serbestlik dereceli deneysel akıllı bardak platformunun tasarımı, modellenmesi ve kontrolü, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2024

Postgraduate, Öznitelik seçiminin geliştirilen bir yapay sinir ağı sınıflandırılması üzerine etkisi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kontrol Ve Otomasyon Mühendisliği, 2016

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2024 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Control And Automation Engineering, 2013 - Continues

Courses

Undergraduate

Programlama Dilleri, Undergraduate, 2024 - 2025

Programlanabilir Lojik Kontrolcüler Lab., Undergraduate, 2024 - 2025

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Active Control Experiments on a Smart Robotic Glass with End-Point Control for Parkinson's Patients**

Kaya Ayana E., Kılıç M., Yaşar C. F., Engin Ş. N.

APPLIED BIONICS AND BIOMECHANICS, vol.2023, pp.1-13, 2023 (SCI-Expanded)

Articles Published in Other Journals

I. **COVID-19 Detection from Computed Tomography Images Using Slice Processing Techniques and a Modified Xception Classifier**

Morani K., Ayana E., Kollias D., Unay D.

International Journal of Biomedical Imaging, vol.2024, 2024 (ESCI)

II. **Covid-19 detection using modified xception transfer learning approach from computed tomography images**

Morani K., Kaya Ayana E., Unay D.

International Journal of Advances in Intelligent Informatics, vol.9, no.3, pp.524-536, 2023 (Scopus)

III. **The Improvement Achieved Using BLogReg Feature Selection Algorithm In A Developed Artificial Neural Network Classification**

Kaya Ayana E., Morani K.

The International Journal of Scientific Research & Engineering Technology, no.9, pp.28-31, 2020 (Peer-Reviewed Journal)

IV. **Diagnosis of anemia in children via artificial neural network**

Kaya E., Aktan M. E., Koru A. T., Akdoğan E.

International Journal of Intelligent Systems and Applications in Engineering, vol.3, pp.24-27, 2015 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

I. **Detecting COVID-19 in Computed Tomography Images: A Novel Approach Utilizing Segmentation with UNet Architecture, Lung Extraction, and CNN Classifier**

Morani K., Ayana E., Kollias D., Unay D.

Science and Information Conference, SAI 2024, London, England, 11 - 12 July 2024, vol.1018 LNNS, pp.450-465

II. **The Improvement Achieved Using BLogReg Feature Selection Algorithm In A Developed Artificial Neural Network Classification**

KAYA AYANA E., KENAN M.

6 Automationth International Conference on Control Engineering Computer Science, 21 - 23 October 2019

III. **Studies on a Robotic Device that Minimizes End-Point Vibrations for Parkinson Tremor**

Ayana E., Yaşar C. F., Engin Ş. N.

3rd World Conference on Technology, Innovation and Entrepreneurship, WOCTINE 2019, İstanbul, Turkey, 21 - 23 June 2019, vol.158, pp.338-345

IV. **Development of Prediction in Clients' Consent to a Bank Term Deposit Using Feature Selection**

MORANI K., KAYA AYANA E., ENGİN Ş. N.

6th International Conference on Control engineering and Information Technologies, İstanbul, Turkey, 25 - 27

October 2018

V. Performance Evaluations of Next Generation Networks for Smart Grid Applications

KAYA AYANA E.

3rd IEEE International Conference on Smart Grid Congress and Fair, İstanbul, Turks And Caicos Islands, 17 April 2015, pp.1-5

VI. Diagnosis of Anemia in Children via Artificial Neural Network

KAYA AYANA E., AKTAN M. E., KORU A. T., AKDOĞAN E.

ICAT2014, 12 - 15 August 2014

Tasks In Event Organizations

Kaya Ayana E., EROL B., 6th International Conference on Control Engineering & Information Technology, Scientific Congress, İstanbul, Turkey, Ekim 2018

Kaya Ayana E., EROL B., OTOMATİK KONTROL TÜRK MİLLÎ KOMİTESİ ULUSAL TOPLANTISI (TOK 2017), Scientific Congress, İstanbul, Turkey, Eylül 2017

Metrics

Publication: 11

Citation (Scopus): 4

H-Index (Scopus): 1