Res. Asst. LEVENT YAVUZ

Personal Information

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Biography

Levent Yavuz currently works at the Department of Electrical and Electronics Engineering, Abudullah Gul Universitesi. Levent does research in Electrical Engineering and Physics. Their current project is about 'Virtual Power Plant'. He also developes novel machine learning techniques and combines them with electrical power system applications.

Education Information

Doctorate, Abdullah Gül Üniversitesi, Electrıcal And Computer Engıneerıng, Electrıcal Engıneerıng, Turkey 2018 - Continues
Postgraduate, Abdullah Gül Üniversitesi, Tıp Fakültesi Sağlık Bilimleri Enstitüsü, Biyofizik, Turkey 2015 - 2018
Postgraduate, Abdullah Gül Üniversitesi, Fen Bilimleri, Nükleer Fizik, Turkey 2014 - 2017
Undergraduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2013 - 2016
Undergraduate, Erciyes Üniversitesi, Fen Fakültesi, Fizik, Turkey 2012 - 2016

Foreign Languages

English, C1 Advanced

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Neural Networks, Electrical and Electronics Engineering, Energy, Renewable energy, Physics, Nuclear physics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Abdullah Gül Üniversitesi, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, 2018 - Continues

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

I. **PSO Supported Ensemble Algorithm for Bad Data Detection Against Intelligent Hacking Algorithm**
YAVUZ L., SORAN A., ÖNEN A., Muyeen S. M.
FRONTIERS IN ENERGY RESEARCH, vol.9, 2021 (Journal Indexed in SCI)
II. **Artificial Intelligence Based Intrusion Detection System for IEC 61850 Sampled Values Under Symmetric and Asymmetric Faults**
Ustun T. S. , Hussain S. M. S. , YAVUZ L., ÖNEN A.

IEEE ACCESS, vol.9, pp.56486-56495, 2021 (Journal Indexed in SCI)

III. **Transformation of microgrid to virtual power plant - a comprehensive review**
YAVUZ L., ÖNEN A., Muyeen S. M. , Kamwa I.
IET GENERATION TRANSMISSION & DISTRIBUTION, vol.13, no.11, pp.1994-2005, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Coronary Artery Disease Diagnosis Using Optimized Adaptive Ensemble Machine Learning Algorithm**
kolukisa b., YAVUZ L., SORAN A., Bakir Gungor B., tuncer d., Onen A., Gungor V. C.
International Journal of Bioscience, Biochemistry and Bioinformatics, 2020 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. **Coronary Artery Disease Diagnosis Using Optimized Adaptive Ensemble Machine Learning Algorithm**
KOLUKISA B., YAVUZ L., SORAN A., GÜNGÖR B., Tuncer D., ÖNEN A., GÜNGÖR V. Ç.
3rd Int. Conference on Information System and Data Mining (ICISDM 2019), Texas, United States Of America, 6 - 08 April 2019

Supported Projects

YAVUZ L., TUBITAK Project, ELEKTROOKÜLOGRAM TABANLI KONTROL OTOMASYONU, 2018 - Continues

Patent

Yavuz L., MULTIFUNCTIONAL ELECTROOCCULOGRAPHY BASED REMOTE CONTROL AND COMMUNICATION DEVICE, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2021/008199 , Registration in Multiple Countries, 2021

Yavuz L., ESTIMATING THE PRODUCTION AMOUNT FOR SOLAR POWER PLANTS, Patent, CHAPTER H Electricity, The Invention Recourse Number: 2018-GE-551158 , Registration in Multiple Countries, 2018