

## Res. Asst. LEVENT YAVUZ

### Personal Information

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### International Researcher IDs

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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 develops novel machine learning techniques and combines them with electrical power system applications.

### Education Information

Doctorate, Abdullah Gul University, Electrical And Computer Engineering, Electrical Engineering, Turkey 2018 - Continues

Postgraduate, Abdullah Gul University, Tıp Fakültesi Sağlık Bilimleri Enstitüsü, Biyofizik, Turkey 2015 - 2018

Postgraduate, Abdullah Gul University, Fen Bilimleri, Nükleer Fizik, Turkey 2014 - 2017

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2013 - 2016

Undergraduate, Erciyes University, 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 Gul University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, 2018 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. Adaptive Fault Detection Scheme Using an Optimized Self-healing Ensemble Machine Learning Algorithm

YAVUZ L., SORAN A., Onen A., Li X., Muyeen S. M.

CSEE JOURNAL OF POWER AND ENERGY SYSTEMS, vol.8, no.4, pp.1145-1156, 2022 (SCI-Expanded)

**II. 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 (SCI-Expanded)

**III. 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 (SCI-Expanded)

**IV. 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 (SCI-Expanded)

## 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 (Peer-Reviewed Journal)

## 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

## Metrics

Publication: 7

Citation (WoS): 52

Citation (Scopus): 71

H-Index (WoS): 2

H-Index (Scopus): 2