

## Asst. Prof. HATİCE OKUMUŞ

### Personal Information

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### International Researcher IDs

ScholarID: OlnJzZIAAAAJ

ORCID: 0000-0003-4074-2503

Publons / Web Of Science ResearcherID: AAW-2966-2020

ScopusID: 57201854212

Yoksis Researcher ID: 215958

### Education Information

Doctorate, The Queen's University of Belfast, School of Electronics, Electrical Engineering and Computer Science, England 2022 - 2022

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 2016 - 2022

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2014 - 2016

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2010 - 2014

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Signal Processing, Pattern Recognition and Analysis, Electrical and Electronics Engineering, Energy, Power System Analysis, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2023 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2014 - 2023

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

- Hardware-Based Novel Applications to Locate Faults in Branched Distribution Systems**  
OKUMUŞ H., NUROĞLU F. M.  
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.51, no.20, pp.2512-2522, 2023 (SCI-Expanded)

## II. **A random forest-based approach for fault location detection in distribution systems**

Okumuş H., Nuroğlu F. M.

ELECTRICAL ENGINEERING, vol.103, no.1, pp.257-264, 2021 (SCI-Expanded)

## Articles Published in Other Journals

### I. **Smart Solution for Smart Schools: NFC-Based Attendance System**

Sali O., Okumuş H.

International Research Journal of Engineering and Technology (IRJET), vol.11, no.6, pp.491-495, 2024 (Peer-Reviewed Journal)

### II. **Wavelet Based Fault Detection and Classification Algorithm for a Real Distribution Feeder**

Okumuş H., Nuroğlu F. M.

EMITTER International Journal of Engineering Technology, vol.7, no.1, pp.384-399, 2019 (ESCI)

### III. **Modelling the PV System In Order To Obtain Energy Producing Capacity Using Actual System Parameters, Irradiation and Weather Temperature**

Okumuş H., Nuroğlu F. M.

International Journal of Engineering Research and Development (IJERAD), vol.10, no.2, pp.40-52, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

### I. **Event Detection and Classification Algorithm Using Wide Area Measurement Systems**

OKUMUŞ H., NUROĞLU F. M.

6th IEEE International Conference on Smart Energy Grid Engineering, SEGE 2018, Oshawa, Canada, 12 - 15 August 2018, pp.230-233

### II. **Power System Event Classification Based on Machine Learning**

OKUMUŞ H., NUROĞLU F. M.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.402-405

### III. **Random Forest Classification for Brain Computer Interface Applications**

OKUMUŞ H., AYDEMİR Ö.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

### IV. **Investigation of the Two Most Discriminative Directions of the Wrist Movement Imagery Tasks**

AYDIN M., OKUMUŞ H., AYDEMİR Ö., Okumus H. I. .

10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.568-571

### V. **Modeling and Simulation of PV Modules with Voltage Feedback in MATLAB/Simuink**

OKUMUŞ H., NUROĞLU F. M.

Proceedings of 2016 International Conference on Image Processing, Production and Computer Science (ICIPCS'2016), Londra, United Kingdom, 26 - 27 March 2016, pp.10-16

## Supported Projects

NUROĞLU F. M., OKUMUŞ H., Project Supported by Higher Education Institutions, Arıza Yeri Tespit Cihazı Geliştirilmesi, 2021 - 2022

## Metrics

Publication: 10  
Citation (WoS): 28  
Citation (Scopus): 36  
H-Index (WoS): 3  
H-Index (Scopus): 3

## **Scholarships**

2214-A Yurt Dışı Doktora Sırası Araştırma Burs Programı, TÜBİTAK, 2022 - 2022

## **Non Academic Experience**

Queens University Belfast