

## Asst. Prof. YELİZ YOLDAŞ SEVEN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Abdullah Gul University, Fen Bilimleri Enstitüsü, Turkey 2015 - 2021

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2015

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Elektrik Elektronik Mühen., Turkey 2007 - 2011

### Dissertations

Doctorate, Development of control strategies in smart microgrids, Abdullah Gul University, Fen Bilimleri Enstitüsü, 2021

Postgraduate, DESIGN AND SIMULATION OF DSTATCOM FOR POWER QUALITY IMPROVEMENTS, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2015

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Yazılım Mühendisliği Bölümü, 2022 - Continues

Research Assistant PhD, Abdullah Gul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - 2022

Research Assistant, Abdullah Gul University, Fen Bilimleri Enstitüsü, 2015 - 2021

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, 2014 - 2015

Research Assistant, Abdullah Gul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2013 - 2014

### Academic and Administrative Experience

Deputy Head of Department, Kayseri University, Mühendislik, Mimarlık ve Tasarım Fakültesi, Yazılım Mühendisliği Bölümü, 2023 - Continues

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

- I. **Comprehensive review of transmission system operators-Distribution system operators collaboration for flexible grid operations**  
Uzum B., Yoldas Y., Bahceci S., Onen A.  
ELECTRIC POWER SYSTEMS RESEARCH, vol.227, 2024 (SCI-Expanded)
- II. **Energy Trading on a Peer-to-Peer Basis between Virtual Power Plants Using Decentralized Finance Instruments**  
SEVEN S., YOLDAŞ Y., Soran A., YALÇIN ALKAN G., Jung J., Ustun T. S., ÖNEN A.  
SUSTAINABILITY, vol.14, no.20, 2022 (SCI-Expanded)
- III. **Dynamic rolling horizon control approach for a university campus**  
Yoldas Y., GÖREN S., ÖNEN A., Ustun T. S.  
ENERGY REPORTS, vol.8, pp.1154-1162, 2022 (SCI-Expanded)
- IV. **Implementation of cost benefit analysis of vehicle to grid coupled real Micro-Grid by considering battery energy wear: Practical study case**  
Koubaa R., Yoldas Y., GÖREN S., Krichen L., ÖNEN A.  
ENERGY & ENVIRONMENT, vol.32, no.7, pp.1292-1314, 2021 (SSCI)
- V. **Optimal Control of Microgrids with Multi-stage Mixed-integer Nonlinear Programming Guided Q-learning Algorithm**  
Yoldas Y., GÖREN S., ÖNEN A.  
JOURNAL OF MODERN POWER SYSTEMS AND CLEAN ENERGY, vol.8, no.6, pp.1151-1159, 2020 (SCI-Expanded)
- VI. **Implementation of capital deferral algorithm in real distribution systems considering reliability by managing major faults**  
Yoldas Y., ÖNEN A., Broadwater R., ALAN İ.  
ELECTRICAL ENGINEERING, vol.101, no.4, pp.1095-1102, 2019 (SCI-Expanded)
- VII. **Enhancing smart grid with microgrids: Challenges and opportunities**  
Yoldas Y., ÖNEN A., Muyeen S. M., Vasilakos A. V., ALAN İ.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.72, pp.205-214, 2017 (SCI-Expanded)
- VIII. **Mitigation of power quality problems using distribution static synchronous compensator: a comprehensive review**  
Latran M. B., TEKE A., Yoldas Y.  
IET POWER ELECTRONICS, vol.8, no.7, pp.1312-1328, 2015 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Step by Step Design Procedure of a Distribution Static Synchronous Compensator DSTATCOM**  
Teke A., Yoldaş Y., Barghi Latran M.  
Çukurova Üniversitesi Mühendislik Fakültesi dergisi, vol.30, no.1, pp.117-131, 2015 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Development of Day-Ahead Peer-to-Peer Energy Trading with Time-Series Clustering**  
Noorfatima N., Jung J., Önen A., Yoldaş Seven Y.  
2023 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD), Tianjin, China, 27 - 29 October 2023, pp.1-2
- II. **Implementation of Multi-Agent Energy Management for Secondary Control of a Microgrid**  
Yoldaş Seven Y., Önen A., Alawasa K., El Haffar A., Ahshan R., Islam M. R., Muyeen S. M., Noorfatima N., Jung J.  
2023 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD), Tianjin, China, 27 - 29 October 2023, pp.1-2
- III. **Optimal Energy Management for Microgrid of a University Campus**  
Yoldaş Y., Önen A., Gören S.

INTERNATIONAL CONFERENCE ON ECONOMICS ENERGY AND ENVIRONMENT, Nevşehir, Turkey, 25 - 27 June 2020, pp.78

IV. **Design of a V2G Charging Station Coupled with the Malta College of Arts Science and Technology Micro-Grid**

Koubaa R., Yoldaş Y., Önen A.

INTERNATIONAL CONFERENCE ON ECONOMICS ENERGY AND ENVIRONMENT, Nevşehir, Turkey, 25 - 27 June 2020, pp.8

V. **Cloud Induced PV Impact on Voltage Profiles for Real Microgrids**

Kocer M. C., Yoldas Y., GÖREN S., ÖNEN A., ALAN İ., Al-Agtash S., Azzopardi B., Martensen N., Martinez-Ramos J. L., Tzovaras D., et al.

5th International Symposium on Environment-Friendly Energies and Applications (EFEA), Rome, Italy, 24 - 26 September 2018

VI. **Distribution Automation Effects on Reliability during Major Contingencies**

Yoldas Y., ÖNEN A., ALAN İ., Broadwater R. P.

18th IEEE International Conference on Harmonics and Quality of Power (ICHQP), Ljubljana, Slovenia, 13 - 16 May 2018

VII. **Provision of Ancillary Services by a Smart Microgrid: An OPF Approach**

Martinez-Ramos J. L., Marano-Marcolini A., Garcia-Lopez F. P., Almagro-Yravedra F., ÖNEN A., Yoldas Y., Khat M., Ghomri L., Fragale N.

International Conference on Smart Energy Systems and Technologies (SEST), Sevilla, Spain, 10 - 12 September 2018

VIII. **A Profit Maximizing Integrated Model of Fleet Assignment and Aircraft Routing with Considerations of Flight Schedule Disturbances**

Sütçü M., Yıldız B., Yoldaş Y.

INFORMS Annual Meeting 2016, Tennessee, United States Of America, 13 - 16 November 2016, pp.416

IX. **FOTOVOLTAİK SİSTEMLERİN PERFORMANSINI ETKİLEYEN FAKTÖRLER**

Yoldaş Y., Teke A.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM), Adana, Turkey, 15 - 16 October 2015, pp.37-41

## Metrics

Publication: 18

Citation (WoS): 379

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