

Lect. Abdulsamed Lordođlu

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-6315-2021

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Biography

Abdulsamed Lordoglu received the B.S. degree in electrical engineering from Yildiz Technical University, Istanbul, Turkey, in 2016. He received the M.Sc. degree in 2019 in Electrical Engineering Programme, Institute of Science and Technology, ITU and since 2019 he has been a Ph.D. student in the same program. He was a research assistant in the Department of Electrical Engineering, Electric and Electronic Faculty, YTU between 2017 and 2021. He is currently lecturer at Energy Institute, Istanbul Technical University. His main research interests include high power density solutions for DC/DC resonant converters and design and optimization of resonant converters for electric vehicles, electrical machines and power converters, harmonics and acoustic noise in electrical machines.

Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, Turkey 2019 - Continues

Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, Turkey 2017 - 2019

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey 2012 - 2016

Research Areas

Sensing Devices and Transducers, Electronic Circuits, Electric and Magnetic Fields, Planar Buildings, Power Electronics

Academic Titles / Tasks

Lecturer, Istanbul Technical University, Enerji Enstitüsü, Yenilenebilir Enerji , 2021 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2017 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A Comprehensive Disturbing Effect Analysis of Multi-Sectional Rotor Slot Geometry for Induction Machines in Electrical Vehicles**

Lordoglu A., Gulbahce M. O., Kocabaş D. A.
IEEE ACCESS, vol.9, pp.49590-49600, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Çok Çıkışlı Flyback Dönüştürücünün Tasarımı ve Meta-Sezgisel Yöntemlerle Verim Optimizasyonu**
Aydm Ö. S., LORDOĞLU A., GÜLBAHÇE M. O.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Bursa, Turkey, 24 - 26 November 2022
- II. **Δ - Δ Sargı Yapısına Sahip Üç Fazlı LLC Rezonans Dönüştürücünün Tasarımı ve Optimizasyonu**
LORDOĞLU A., GÜLBAHÇE M. O., KOCABAŞ D. A., Düşmez S.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Bursa, Turkey, 24 - 26 November 2022
- III. **LLC Rezonans Dönüştürücünün Parazitik Elemanlarının Dahil Edildiği Yüksek Doğruluklu Benzetim Modeli**
Güngör A. C., LORDOĞLU A., GÜLBAHÇE M. O., KOCABAŞ D. A., Düşmez S.
Elektrik, Elektronik ve Biyomedikal Mühendisliği Konferansı, ELECO 2022, Bursa, Turkey, 24 - 26 November 2022
- IV. **Design and Optimization of Three-Phase LLC Charger with $\Delta - \Delta$ Winding Configuration**
LORDOĞLU A., GÜLBAHÇE M. O., KOCABAŞ D. A., Düşmez S.
IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society, Brussels, Belgium, 17 October 2022
- V. **Extended Describing Function Modeling and Closed-Loop Control of LLC Converter in Battery Charging Applications**
Lordoğlu A., Gülbahçe M. O., Ahmet Kocabas D., Dusmez S.
2021 International Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2021 and 2021 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2021, Brasov, Romania, 2 - 03 September 2021, pp.274-279
- VI. **Analytical modelling and optimization of gapped core magnetics in llc converter**
Lordoglu A., Gulbahçe M. O., Kocabaş D. A., Dusmez S.
2021 International Exhibition and Conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management, PCIM Europe 2021, Virtual, Online, 3 - 07 May 2021, vol.2021-May, pp.651-658
- VII. **System-level design approach for llc converters**
Lordoglu A., Gulbahçe M. O., Kocabaş D. A., Dusmez S.
2021 International Exhibition and Conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management, PCIM Europe 2021, Virtual, Online, 3 - 07 May 2021, vol.2021-May, pp.731-738
- VIII. **Design and Optimization of Permanent Magnet Synchronous Motor for Electric Vehicle Applications**
Levent A. H., Lordoglu A., AYDENİZ M. G.
2nd IEEE Global Power, Energy and Communication Conference, GPECOM 2020, Virtual, Izmir, Turkey, 20 - 23 October 2020, pp.148-151

Supported Projects

Gülbahçe M. O., ZEHİR A., Lordoğlu A., Eyüboğlu O. H., Akyıldız A., Kocaarslan İ., Project Supported by Higher Education Institutions, Elektrikli Araçlar için Yüksek Doğruluklu Enerji Tüketimi Kestirimi Yapan ve Batarya Sağlığını Dikkate Alarak Araç Kontrolü ve Şebekeye Hizmetler Gerçekleştiren Enerji Yönetimi Sistemi Geliştirilmesi, 2022 - Continues
Kocabaş D. A., Gülbahçe M. O., Lordoğlu A., Project Supported by Higher Education Institutions, Tümlenik Manyetik Yapıya Sahip Yüksek Güç Yoğunluklu LLC Dönüştürücünün Tasarımı ve Optimizasyonu, 2022 - 2024
Gülbahçe M. O., Kocabaş D. A., Düşmez S., TUBITAK Project, Bidirectional AC/DC Converters 10kW with Best-in Class Power Density, 2020 - 2023

Scientific Refereeing

ELECTRICAL ENGINEERING, SCI Journal, February 2020

ELECTRICAL ENGINEERING, SCI Journal, February 2020

Metrics

Publication: 9

Citation (WoS): 1

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 2