

Umutcan Polat

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, Turkey 2022 - Continues

Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, Turkey 2019 - 2022

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey 2013 - 2018

Dissertations

Postgraduate, COMPENSATION OF DEAD TIME CAUSED OUTPUT VOLTAGE DISTORTION IN SPWM FULL BRIDGE INVERTER , Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2022

Research Areas

Renewable energy, Power Electronics, Electrical Machine Theory and Design

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2020 - Continues

Refereed Congress / Symposium Publications in Proceedings

- I. **ACTIVE POWER CONTROL IN SINGLE PHASE GRID CONNECTED INVERTERS USED IN PHOTOVOLTAIC SYSTEMS**
Polat U., Yildırım D.
2. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRESS, Erzurum, Turkey, 24 - 25 April 2021, vol.2, pp.448-462
- II. **Half-Bridge LLC Resonant Converter Design for High Voltage Battery to Low Voltage Battery Conversion in Electric Vehicles**
Lordoğlu M., Polat U., Örüklü K., Yildırım D.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.565-569