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Doctorate, University of Birmingham, School of Engineering, Department of Electrical, Electronics and Computer Engineering , England 2018 - 2023
Postgraduate, University of Nottingham, School of Engineering, Department of Electrical Engineering for Renewable and Sustainable Engineering, England 2016 - 2017
Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey 2009 - 2014

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Assistant Professor, Yozgat Bozok University, Faculty of Engineering-Architecture, Elektrik-Elektronik Mühendisliği, 2023 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Development of a smart hybrid drive system with advanced logistics for railway applications**
Polater N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.52, pp.559-576, 2024 (SCI-Expanded)

II. **A new traction system with asymmetrical six-phase permanent magnet synchronous motors for hydrogen trains**
POLATER N., Maggiulli F., Foglia G. M., Tricoli P.
IEEE Access, vol.12, pp.23279-23289, 2024 (SCI-Expanded)

III. **Technical Review of Traction Drive Systems for Light Railways**
Polater N., Tricoli P.
Energies, vol.15, no.9, 2022 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

I. **State of Charge-Based Power Sharing Algorithm for Hydrogen and Battery Cells Supplying Double-**

Three Phase Permanent Magnet Synchronous Motor

Polater N., Kamel T., Tricoli P.

16th IEEE International Conference on Compatibility, Power Electronics, and Power Engineering, CPE-POWERENG 2022, Birmingham, England, 29 June - 01 July 2022

II. **Torque Comparison of Surface Mount and Interior Permanent Magnet Synchronous Motor for Railway Applications**

Polater N., Kamel T., Tricoli P.

15th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2021, Florence, Italy, 14 - 16 July 2021

III. **Control and Power Sharing Strategy of Dual Three-Phase Permanent Magnet Synchronous Motor for Light Railway Applications**

Polater N., Kamel T., Tricoli P.

18th IEEE Vehicle Power and Propulsion Conference, VPPC 2021, Virtual, Gijon, Spain, 25 - 28 October 2021