

Asst. Prof. EMİNE BOSTANCI

Personal Information

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Address: Universiteler Mahallesi ODTÜ Elektrik Elektronik Mühendisliği Bölümü 06800 Çankaya/Ankara

Foreign Languages

German, C1 Advanced

Dissertations

Doctorate, Performance analysis of brushless DC machines with axially displaceable rotor, Universitaet Hannover, 2014
Postgraduate, Modelling and testing of a brushless DC machine drive for automobile propulsion applications, Rheinisch-Westfaelische Technische Hochschule Aachen, 2010

Research Areas

Electrical Machine Theory and Design, Electric Motor Drivers

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2018 - Continues

Researcher, The University of Dallas, Mühendislik Fakültesi, Elektronik Mühendisliği, 2015 - 2017

Academic and Administrative Experience

Bölüm Başkan Danışmanı, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2019 - Continues

Courses

Electromechanical Energy Conversion II, Undergraduate, 2019 - 2020

Utilization of Electric Energy, Undergraduate, 2018 - 2019, 2019 - 2020

Electromechanical Energy Conversion I, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021

Electric Drives in Electric and Hybrid Electric Vehicles, Postgraduate, 2018 - 2019

Advising Theses

Bostancı E., Comparison of Multi-phase Interleaved Boost Converters with Various Coupled Inductor Topologies, Postgraduate, R.GÖKMEN(Student), 2022

Bostancı E., DC-Link Capacitor Sizing of Three-Level Neutral Point Clamped Voltage Source Inverters for Variable Speed Drives, Postgraduate, S.EMİR(Student), 2021

Bostancı E., Optimum placement of high energy inductors for capacitive pulse power supplies, Postgraduate, İ.GÜNGEN(Student), 2021

Bostancı E., Design of synchronous reluctance machines with a wide speed range, Postgraduate, Y.BASRI(Student), 2021

Bostancı E., Position Estimation Improvement and Parameter Estimation of Multiple Independent Three-Phase Permanent Magnet Synchronous Machines, Postgraduate, C.AYDAR(Student), 2021

Bostancı E., Design, analysis and implementation of a 50 W wireless charger of a charging vest battery, Postgraduate, M.EREN(Student), 2020

Bostancı E., Performance and Thermal Reliability Comparisons of 2-Level and 3-Level NPC Voltage Source Inverters for Electric Vehicle Drive Applications, Postgraduate, A.Madan(Student), 2019

Designed Lessons

Bostancı E., Electric Drives in Electric and Hybrid Electric Vehicles , Postgraduate, 2018 - 2019

Supported Projects

BOSTANCI E., ALLAHYARİ A., Project Supported by Higher Education Institutions, Design of a High Torque Density and High Extended Speed Range Traction Motor for a Light Electric Vehicle, 2022 - Continues

BOSTANCI E., YAZICI Ö., Project Supported by Higher Education Institutions, Elektrik Makinası Testleri için Modüler Test Düzeneği ve Ölçüm Sistemi, 2021 - Continues

BOSTANCI E., TUBITAK Project, Güç Elektroniği Motor Sürücü Topolojilerinin Geliştirilmesi, 2019 - 2026

Bostancı E., Keysan O., TUBITAK Project, Design of a Permanent Magnet Assisted Synchronous Reluctance Machine for Vehicle Traction Application, 2018 - 2020

Patent

Bostancı E., Neuschl Z., Rauch O., Mertens C., Plikat R., Vorrichtung für eine Elektro-Maschine, Patent, CHAPTER H Electricity, The Invention Registration Number: DE102013004057B4 , Initial Registration, 2019

Mobility Activity

Other, Guest Researcher, University of Windsor, Canada, 2019 - 2019

Citations

Total Citations (WOS):316

h-index (WOS):8

Non Academic Experience

Company, Ansys Inc., Düşük Frekans Hesaplamaları

Company, Volkswagen A.G., Volkseagen Grup Araştırma / Sürüş Sistemleri