PERSONAL INFORMATION

Alireza Rahimi

POSITION :ALUMNUS

Gender: male
Birth date: September, 21, 1989
Nationality: Iranian

EDUCATION AND TRAINING

- B.S in Power Electrical Engineering at Shahrood university of technology

2006 - 2010
Thesis title: Modeling of Fault Current Limiters (FCL) in Different Fault Conditions

- M.S in Power Electrical Engineering at K.N.toosi university of technology.

2010 - 2013
Field of Study: Power Electronic And Drives
Thesis title: Modeling and Simulation of unbalanced magnetic pull in AFPMMs with Static Eccentricity Fault

- P.h.D in Power Electrical Engineering at ACECR Research Institute for Electrical Engineering

2014 - 2020
Field of Study: Power Electronic And Drives
Thesis title: High Frequency Modeling of Contra-Rotating PMSM for Conducted EMI Prediction in a Drive System

PUBLICATIONS

- Rahimi, A., & Kanzi, K. (2020). High-Frequency Modelling of Permanent Magnet Synchronous Motor for Conducted EMI studies. IET Electric Power Applications.
- Rahimi, A., & Kanzi, K. (2020). CM and DM conducted EMI modelling of PMSM VSD system with non-ideal LISN. IET Electric Power Applications.
- Rahimi, A., & Kanzi, K. (2020). High-Frequency Physics-Based Analytical Modeling of Permanent Magnet Synchronous Motor. Electromechanical Energy Conversion Systems (EECS).
- Rahimi, A., & Kanzi, K. (2019, December). Improved High-Frequency Modeling of PMSM Using 3-D Finite Element Analysis. In 2019 International Power System Conference (PSC) (pp. 71-78). IEEE.
- Rahimi, A., & Kanzi, K. (2019, December). High-Frequency Physics-Based Analytical Modeling of Permanent Magnet Synchronous Motor. In 2019 International Power System Conference (PSC) (pp. 64-70). IEEE.
- K. Abbaszadeh, A. Rahimi "Analytical Quasi 3D Modeling of an Axial Flux PM Motor with Static Eccentricity Fault", Scientia Iranica, Transaction D, 2014
- Rahimi, K. Abbaszadeh "Quasi3D Analytical Modeling Of Axial Flux Permanent Magnet Machines" – ICEE 2013, Shahid Beheshti University
- Rahimi, A. Hojati, Kh. Kanzi "High-Frequency Parameter Estimation of PMSM and Cable for Conducted EMI Prediction in a Contra-Rotating Propulsion System" Cbconf 2016, Amirkabir University of Technology (in Farsi)

RESEARCH INTEREST·

- EMI/EMC in Power Electronics and drives
- PMSM modeling, simulation and design

CONTACT INFORMATION

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