Curriculum Vitae

Moien Masoumi

Birth: October 25, 1991, Tabriz, Iran.

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Websites: LinkedIn Profile
Google Scholar Profile
Research Gate Profile

Education

Sep 2014 - Feb 2017

M.Sc. Degree

Electrical Engineering, Electrical Engineering Department, **Amirkabir University of Technology** (Tehran Polytechnic), Tehran 15916, Iran.
GPA: **17.30/20**
Thesis title: Design, analysis and prototyping of a new type of 2-phase E-core hybrid reluctance motor
Supervisor: Prof. Mojtaba Mirsalim (Amirkabir University of Technology)

Sep 2010 - July 2014

B.S. Degree

Electrical Engineering, Electrical & Computer Engineering Department, **University of Tabriz**, Tabriz, Iran.
GPA: **17.43/20**
Thesis title: Direct torque control of induction machine
Supervisor: Prof. Mohammad Bagher Bannae Sharifian (Tabriz University)

Publications

Journal Papers

[1] B. Amin, M. Masoumi, and M. Mirsalim, “Field and torque calculation and transient analysis in variable reluctance machines,” *IEEE. Trans. Magn*., vol. 53, no. 9, Sept. 2017.

[2] M. Masoumi and M. Mirsalim, “E-core hybrid reluctance motor with permanent magnets inside stator common poles,” *IEEE. Trans. Energy Convers*, vol. 33, no. 2, Jun.2018.

[3] M. Masoumi, M. A. Jalali Kondelaji, M. Mirsalim, and J. Shokrollahi Moghani, "Analytical Modelling and Experimental Verification of E-Type Reluctance Motors,” *Electric Power Application, IET*, 2018.

Conference Paper

[1] M. Masoumi and M. Mirsalim, “A comprehensive comparison between four different C-core hybrid reluctance motors,” *8th pedstc conf.*, Mashhad, Iran, 2017. (IEEE)

Patent

[1] M. Masoumi and M. Mirsalim, "2-phase E-core hybrid reluctance motor," *Iranian patent*, 2018.

Institutional Experience

2013- 2014	Member, *Scientific association of Electrical Engineering Department, Tabriz University.*
2017-present	Member, *IEEE.*
2018-present	Member, *Iranian Engineering Organization.*

Fields of Interests

* Design, modeling, FE analysis, optimization, prototyping, real-time monitoring and drive of electric machines.
* Switched and hybrid reluctance machines.

Languages

* Persian (Native)
* Turkish (Native)
* English (IELTS- Band score: 7)

Computer Skills

* General: Microsoft Office.
* Engineering: Matlab/Simulink, Ansys Maxwell.