

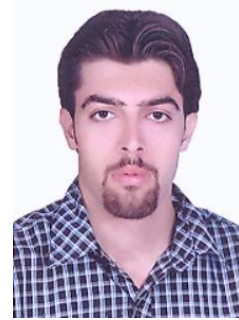
Curriculum Vitae

First Name: Majid

Last Name: Hosseina

Date of birth: 1984

E-mail: m.hosseina@hsu.ac.ir, majidhosseina@gmail.com



Education:

Ph.D., 2012~2017, Power Electrical Engineering, K.N. Toosi University of Technology, Tehran, Iran, Thesis: "Optimal control of ancillary services of vanadium battery storages in smart grid".

M.Sc., 2009-2011, Power Electrical Engineering, Shahrood University of Technology, Shahrood, Iran, Thesis: "Modeling and simulation of automatic voltage regulator of a diesel generator supplying a charger of batteries bank".

B.Sc. 2003-2008, Power Electrical Engineering, Shahrood University of Technology, Shahrood, Iran Thesis: "Application of neural networks in power systems".

Publication:

- 1) Kashani M, Hosseina M, Darabi M and Madadi M., "Design rotor power supply for a synchronous motor with HTS field windings," Applied and Theoretical Electricity (ICATE), 2012, 11th International Conference, Romania.
- 2) Kashani M, Hosseina M, Darabi M and Madadi M., "Design a cryogenic structure for a 1.1 MW synchronous motor with HTS field winding," Applied and Theoretical Electricity (ICATE), 2012, 11th International Conference, Romania.
- 3) Kashani, M., Hosseina, M., Sarrafan, K., & Darabi, A. (2013). Rotor compound concept for designing an industrial HTS synchronous motor. *Physica C: Superconductivity*, 489, 40-46.
- 4) Darabi, A., Hosseina, M., Gholami, H., & Khakzad, M. (2013). Modeling of Lead-Acid battery bank in the energystorage system. *international journal of emerging technology and advanced engineering*, 3, 932-937.
- 5) Kashani, M., Hosseina, M., & Darabi, A. (2012). Design a Twelve Phase 1.1 MW Low Voltage HTS Motor for Marine Propulsion Systems. *INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IREE*, 7(5), 5496-5505.
- 6) Darabi A, Hosseina M and Khakzad M., "The Modification of AVR Operation of a Diesel Generator for Charging a Battery Bank in Diesel Electric Submarine," *Advance in electrical and electronic engineering (ICAEE)*, 2012, 9th International Conference, Malaysia.
- 7) Kashani, M., Hosseina, M., & Darabi, A. (2013). Design of synchronous motor with high-temperature superconductive field windings for marine propulsion applications. *Electric Power Components and Systems*, 41(4), 413-426.
- 8) Bazargani, N. T., Bathaee, S. T., & Hosseina, M. (2017, May). Optimal Sizing of Battery Energy Storage and penetration degree of wind turbines using NSGA-II. In *2017 Iranian Conference on Electrical Engineering (ICEE)* (pp. 973-979). IEEE.

- 9) Darabi, A., Hosseina, M., & Gholami, H. (2013). Vanadium redox flow battery control in flexible microgrids. *International Review of Electrical Engineering (IREE)*, 8(4), 1341-1348.
- 10) Tamandani, S., Hosseina, M., Rostami, M., & Khanjanzadeh, A. (2014). Using clonal selection algorithm to optimal placement with varying number of distributed generation units and multi objective function. *World J. Control Sci. Eng.*, 2(1), 12-17.
- 11) Hosseina, M., Bathaee, S. M. T., & Fereidunian, A. (2015). Simultaneous control of active and reactive powers of vanadium redox flow battery systems in flexible microgrids. *Modeling and Simulation in Electrical and Electronics Engineering*, 1(1), 15-22.
- 12) Hosseini, H., Bathaee, S. M. T., Abedini, A., Hosseina, M., & Fereidunain, A. (2014). Defending false data injection attack on smart grid network using neuro-fuzzy controller. *Journal of Intelligent & Fuzzy Systems*, 27(3), 1457-1467.
- 13) Hosseina, M., & Bathaee, S. M. T. (2016). Optimal scheduling for distribution network with redox flow battery storage. *Energy conversion and management*, 121, 145-151.

Research Interests:

- Renewable energy
- Energy storage systems
- Vanadium redox flow battery
- Energy managment