

I. PERSONAL INFORMATION:

- Name & Surname: Mohsen Feizi
- E-mail: Mohsen.feizi@modares.ac.ir , mohsen1995feizi@gmail.com
- Address: Department of Electrical and Computer Engineering Tarbiat Modares University, Tehran, Iran.

II. EDUCATIONAL:

<u>Degree</u>	<u>Institution</u>	<u>Field</u>	<u>Date</u>
BSc.	Amir Kabir Univ.	Electrical Engineering	Sep 2016
MSc.	Tarbiat Modares Univ.	Power Electronics	Mar 20

BSc. Thesis: Design and Implementation of a High Frequency IGBT Gate Driver ARM-Based, Supervisors: Prof. Hasan Rastegar

MSc. Thesis: Design and Implementation of a Self-Balanced Battery Charger for Lithium-Ion Batteries, Supervisors: Prof. Reza Beiranvand

III. RESEARCH INTEREST:

Battery Chargers, Electric Vehicles, Soft-Switched DC-DC Converters, BMS.

IV. ACTIVITIES:

1. Powertrain Engineer , Iran Khodro Company(IKCO), Tehran, Iran, Mar 2020- Present.

V. PUBLICATIONS:

1. M. Feizi, R. Beiranvand, "A High Power High-Frequency Self-Balanced Battery Charger by Integrating Phase-Shifted Full-Bridge Converter and a Voltage Multiplier" IET Power Electronics, (Under Review)
2. Feizi, M. Beiranvand, R. Daneshfar, M (2020). 'Improving Performance of the Conventional Phase-Shifted Full-Bridge DC-DC Converter by Including Small Coupled Inductors', Iranian Journal of Marine Technology(IJMT),(Accepted)
3. Feizi, Mohsen, Beiranvand, Reza, and Mahdi Daneshfar, "An Integrated High Power Self-Equalized Battery Charger Using a Voltage Multiplier and Phase-Shifted Full-Bridge DC-DC Converter for Lithium-Ion Batteries", International Journal of Industrial Electronics, Control and Optimization(IECO), (Accepted).
4. M. Feizi, R. Beiranvand, "An Improved Phase-Shifted Full-Bridge Converter with Extended ZVS Operation Range for EV Battery Charger Applications " 11th International Power Electronics, Drive Systems and Technologies Conference (PEDSTC), English Oral Presentation.
5. M. Feizi, R. Beiranvand, "Simulation of a High Power Self-Equalized Battery Charger Using Voltage Multiplier and Phase-Shifted Full-Bridge Converter for Lithium-Ion

Batteries” 11th International Power Electronics, Drive Systems and Technologies Conference (PEDSTC), English Oral Presentation.

6. M. Janbeygloo, M. Feizi, R. Beiranvand, “CCM Operation of a Single-Stage Boost-Flyback Converter with Active-Clamp for LED Driver Applications” 11th International Power Electronics, Drive Systems and Technologies Conference (PEDSTC), Poster.

VI. Honors and Awards:

- Ranked 586 amongst about 350000 applicants in National University Entrance Exam
- B.Sc. thesis has been selected as the best Power Engineering thesis-Amir Kabir University of Technology
- Reviewer of Journal of Iranian Association of Electrical and Electronics Engineering

VII. Software Skills:

1. PSpice
2. Altium Designer
3. Matlab/Simulink
4. PSIM
5. PLECS
6. LATEX
7. STM Cube
8. Keil uVision
9. Code Composer
10. Office (Word, Power point, Excel)

VIII. References:

1. Reza Beiranvand, Assistant Professor at the School of Electrical & Computer Engineering, Tarbiat Modares University (TMU), Email: beiranvand@modares.ac.ir
2. Ali Yazdian, Associate Professor at the School of Electrical & Computer Engineering, Tarbiat Modares University (TMU), Email: yazdian@modares.ac.ir
3. Zhila Amini, Assistant Professor at the Faculty of Engineering, Alzahra University, Email: zh.amini@alzahra.ac.ir