

Mohammad Hatami Abbasi

Date of birth: 3 Dec 1993

♥ IRAN-Tehran

+989198905201

amha9372@gmail.com

FIELD:

Electronic & Power Electronic

INTRESTS:

Digital Electronic
Power Electronic
Computer programing

LANGUAGES:

Persian English



EDUCATION

Bachelor's degree:

Electrical-electronic engineer

Islamic azad university central Tehran branch(IAUCTB)

2012-2016 GPA:15.48/20 Thesis title:

Design and implementation of scientific calculator with AVR

Supervisor: prof. Saeed Farahi

Master's degree:

Power Electronic & electrical machines engineer Islamic azad university south Tehran branch(IAUSTB)

2017-2019 GPA:17.8/20 Thesis title:

Modeling and simulation and implementation multi-level inverter with switching capacitor and multiple DC voltage

source input.

Supervisor: prof. Karim Abbaszadeh

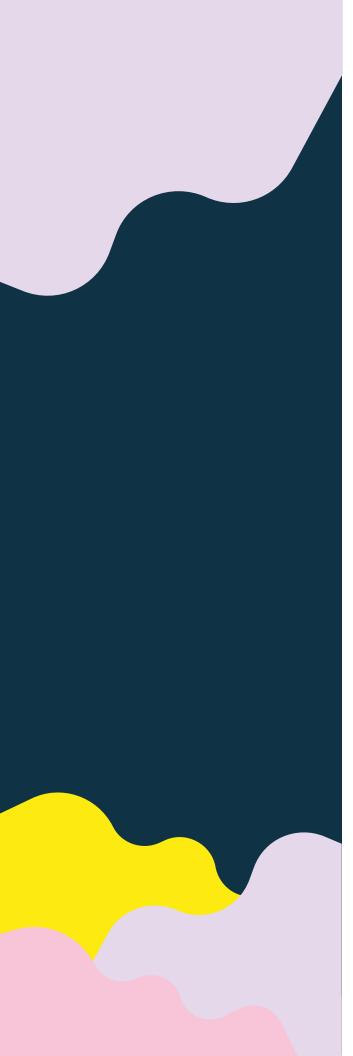
PUBLICATIONS

A SINGLE PHASE BOOST SWITCHED-CAPACITOR MULTILEVEL INVERTER TOPOLOGY

DOI: 10.1109/PEDSTC.2019.8697563

SKILLS

- Design and implementation Power Electronic convertors
- Design and implementation digital and analogue electronic circuits
- Micro controller programing
 - o AVR
 - o ARM(stm32)
- FPGA programing(VHDL)
- PLC programing
- Computer programing
 - o **C**
 - o C++
 - Python
- Computer skills
 - o Matlab
 - Hspice
 - Pspice
 - Proteus
 - o Altium Designer



WORK EXPERIENCE

- Electronic engineer(repairs and QC)
 Azmoon keyfiat co.//2015
- Design and implementation of current controller with AVR//2015
- Design and implementation of Digital and Analogue oscillator//2015
- Design and implementation of differential amplifier with variable gain//2015
- Design and implementation of temperature controller with ARM(stm32)//2016
- Design and implementation of distance meter with ARM(stm32)//2016
- Design and implementation of smart parking capacity controller with PLC LOGO//2016
- Design smart parking with ARM(stm32) & AVR //2016 (receive data from sensors and transmit data to Server)
- Design and implementation of step motor controller with FPGA(Xilinx)//2017
- Design and implementation of step motor controller with ARM(stm32)&AVR//2017
- Design and implementation of inverter special SPWM with ARM(stm32)&AVR//2018
- Design and implementation of DC voltage power supply(7volts) with 6 outputs by ne555//2019

TEACHING EXPERIENCE

Digital electronic //2016
 C & C++ programing //2016
 AVR & ARM(stm32) programing //2017

PROJECT UNDERWAY

- Implementation of a new nine-level inverter with switchedcapacitor technique. //2018
- Implementation of a new step-up switched capacitor multilevel inverter self-voltage balancing. //2019
- Implementation of a new DC-DC Boost convertor with high gain and high efficiency. //2019