

IN THE NAME OF GOD

Hamid Ahangari

EDUCATION:

- 2011–Present **Candidate for Master of Science Degree in Electrical Engineering**, University of Tehran, Tehran, Iran.
- 2006–2011 **Bachelor of Science Degree in Electrical Engineering**, Amirkabir University of Technology, Tehran, Iran.
- 1999–2006 **Diploma of Physics and Mathematics**, Middle School and High School: National Organization for Development of Exceptional Talents (NODET), Qaemshahr, Iran.
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FIELDS OF INTEREST:

Electrical Engineering

- BDFM Utilization in Wind Turbine Applications
 - Electric & Hybrid Vehicles
 - RFID-Based Systems
 - Internet Topology
 - Implementation of DSP systems
 - Analogue and Mixed-Signal electronics
 - Programmable Integrated Circuits
 - Mobile Network Communications
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HONORS AND AWARDS:

- 1999 Admitted to the National Organization for Development of Exceptional Talents (NODET), Middle School, Qaemshahr, Iran.
- 2002 Admitted to the National Organization for Development of Exceptional Talents (NODET), High School, Qaemshahr, Iran.
- 2004 Semifinalist of National Mathematics Olympiad (Top 800), Tehran, Iran

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- 2006 Ranked 233 in National University Entrance Exam among more than 400000 participants, Tehran, Iran
- 2006 Amirkabir University Entrance Honor Student Award, Tehran, Iran
- 2011 Ranked 29 in National Graduate University Entrance Exam among more than 30000 participants (Electrical Engineering), Tehran, Iran
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PROFESSIONAL EXPERIENCES:

Amirkabir University of Technology

- 2011 Design and Implementation of the Magnetic Card Reader for RFID Access Control Applications (B.Sc. Thesis)
Supervisor: Mr. Kashi

University of Tehran

- 2012-Present Design of the Maximum Power Point Tracking Algorithm for Brushless Doubly-Fed Induction Generator (BDFIG) in Wind Turbines (M.Sc. Thesis)
Supervisor: Dr. Asaei

Shadan Electric Corporation:

- 2010 Apprentice in R&D Section
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ACCOMPLISHED PROJECTS:

- Design and Simulation of the Vector Control System for a Voltage Source Inverter [MATLAB] (Power Electronics II)
- Design and simulation of PWM Voltage-Fed Inverter [MATLAB] (Power Electronics)
- Design and simulation of Interior Permanent Magnet Synchronous Motor control system [MATLAB] (Advanced Motion Control Systems)
- Design and Simulation of Parallel Hybrid Minibus [ADVISOR] (Hybrid Electric Vehicles)
- Design and Simulation of Hybrid Train [MATLAB] (Hybrid Electric Vehicles)

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- Design and Implementation of a Talking Calculator (with ISD chip) [CodeVisionAVR, Proteus, PROTEL DXP]
(Microprocessor Lab.)
- Design and Implementation of Ultrasonic Distance Meter with AVR [CodeVisionAVR, Proteus, PROTEL DXP]
(Microcomputer Lab.)
- Automobile Suspension System Control [MATLAB]
(Linear Control Systems)
- BJT Multi-Stage Analog Amplifier Design, Simulation and Implementation [Or-CAD, PROTEL DXP]
(*Electronics II*)
- Design and Simulation of Single-Ended Op-Amp in CMOS Technology [HSPICE]
(*Electronics III*)
- Missile High Accurate Motion Control Simulation [MATLAB]
(*Linear Control Lab.*)
- AM-Modulator with Gilbert Cell Mixer, Design and Simulation [ADS(Advanced Design Systems)]
(Communication Circuits)

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SKILLS:

Computer Skills

- *Programming Languages:* C, MATLAB
- *Applications:* Microsoft Office
- *Electrical Engineering:* ADS, PSPICE, Proteus, PROTEL DXP, CodeVisionAVR, MATLAB, ADVISOR

Language Skills

- English (Fluent)

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