



Amir Sayahan

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Technical Abilities:

- Etap, LOGO! Soft Comfort , Simatic Manager , Codevision , Ets3 professional , DiaLux , OrCAD ,Digsilent , ADVISOR, MATLAB
- Programming languages: C++, C#, MATLAB
- Applications: Microsoft Office

EDUCATION

- Candidate for a Master of Science Degree in Electrical Engineering, major in Power Electronics and Drives, University of Tehran, Tehran, Iran (2011-Present)
- Bachelor of Science Degree in Electrical Engineering, Oriented in Control Engineering, Amirkabir University of Technology, Tehran, Iran (2006-2010)
- Diploma of Physics and Mathematics, Middle School and High School, Arak, Iran (1999-2006)

FIELDS OF INTEREST:

- Brushless Doubly-fed Machines
- Power Electronics and Inverters
- Electric Machines and Drives
- Electric and Hybrid Electric Vehicles

EXPERIENCE

- Research Institute for Plant Equipment (2012- present)

Research and Study of the internal power consumption at different operation scenarios in combined cycle power plants and suggesting the ways to reduce the power consumption and improving the efficiency

- AMIRKABIR NEW INDUSTRY PIONEERS COMPANY (5 months) a member of technical group , R&D tasks regarding BMS and home automation.
- internship in instrumentation and calibration department of Shazand petrochemical Corporation

PROJECTS

- Design of Variable Speed Drive Control System for Brushless Doubly-fed Motors (master thesis)
- Stock Price Prediction Using Neural Networks (BSC Thesis)
- Design and Simulation of Automobile Suspension System Control (Linear Control Systems)
- Design and Implementation of Caller ID with AVR (Microprocessor Lab)
- Design and Simulation of Spring-Making factory Using PLC Step5 (Industrial Control Lab)
- Design of Cement Factory Fieldbus System (Industrial Automation)
- Design and simulation of Three Phase Inverter Using MATLAB simulink (Power Electronic)
- Design of Transformer & Induction Motor (Design of Electrical Machines)
- Simulation of Vector & DTC Control of PM motor using MATLAB (Advanced Motion Control Systems)
- Design and Simulation of Electric and Hybrid Minibus Using Advisor (Control of Hybrid Vehicles)

HONORS

- Semifinalist of National Physics Olympiad (Top 800), Tehran, Iran (2004)
- Semifinalist of National Mathematics Olympiad (Top 800), Tehran, Iran (2004)
- Ranked 380 in National University Entrance Exam among more than 150000 participants, Tehran, Iran. (2006)

- Ranked 51 in National Graduate University Entrance Exam among more than 10000 participants (Power Electrical Engineering), Tehran, Iran. (2011)