

MASOUD ETEZADI NEZHAD

CURRICULUM VITAE



PERSONAL INFORMATION

Nationality: Iranian

Date of Birth: 20th June 1988

Gender: Male

Language: Persian (Native), English (Good), Germany (Novice)

EDUCATIONAL RECORDS

2011-Now MSc Student, Electrical Power Engineering – Electrical Machines and Drive

Electrical and Computer Engineering Department, University of Tehran, Tehran, Iran

Seminar title: Multilevel Converters in Vehicles Propulsion System

Project title: Design of Bi-Directional Power Converters for Plug-in Hybrid Electric Application

Under Supervision of: Dr. Behzad Asaei

Project Advisor: Professor Shahrokh Farhangi

2007-2011 BSc Student, Electrical Power Engineering – Power Systems

Electrical Engineering Department, Iran University of Science and Technology, Tehran, Iran

Project title: Analysis of Islanding Detection Method in Synchronous Generator Based Power System

Under Supervision of: Professor Mohsen Kalantar

2003-2007 Diploma with Math and Physics Discipline

PROFESSIONAL EXPERIENCES

2012-NOW “Auxiliary Power Consumption Reduction in Yazd Solar Thermal Power Plant”

Institute of research in power plant technology, University of Tehran and MAPNA group joint institute, Tehran, Iran

2011-2012 “Development of Power Distribution Systems Analysis Software for Distribution Systems Design and Analysis Application”

Niroo Research Center, Department of Energy Research and Development Sector, Tehran, Iran

2011 “Design of a Three-Phase Multi-meter Using Hall Effect Sensor”,

(Aug-Oct) Paydaran Parsa Company, Tehran, Iran

2003-2005 “Technical Agent”,

Kavoshgaran Computer Services

HONORS AND AWARDS

- Ranked **624th** among about 450000 participants in the National Entrance Exam for B.Sc. degree in Science and Engineering, 2007
- Ranked **53th** among about 11000 participants in the National Entrance Exam for M.Sc. degree in Science and Engineering, 2011
- Achievement of more than 4 medal in National Karate Championships between 1997-2002, Iran

PROFESSIONAL SKILLS

- Experienced in LOGO! PLCs programming and implementation
- Experienced in contactor-based control systems design and implementation
- Experienced in induction motors winding design
- Experienced in electrical power engineering software Like PSCAD, ORCAD, FEMM ...
- Some experience in AVR Microcontrollers programming and implementation
- Some experience in internal lightning and residential buildings electrical facilities design
- Some experience in large machine and transformer design
- Some experience DSPs programming and implementation
- Experienced in C programming
- Expert in MATLAB and Simulink Software
- Expert in general computer software's like Microsoft Office, ...

SELECTED RESEARCH EXPERIENCES

- Modeling of an axial flux permanent magnet machine using FEMM software (FEMM is free Finite Element analysis software)
Project supervisor: Professor Abolfazl Vahedi
- Design of balanced 7-phase grid using 3-phase grid and single phase transformer in MATLAB
Project supervisor: Professor Abolfazl Vahedi
- Coordinated activities for over current relays using CYMTCC program in distribution system (CYMTCC is one of CYM software package for relay coordination)
Project supervisor: Dr. Sayyed Mohammad Shahrtash
- Development of a MATLAB-based software for calculating power systems line parameters
Project supervisor: Dr. Sayyed Mohammad Shahrtash
- Simulation and analysis of magnetic saturation effects on the control of a synchronous reluctance machine in MATLAB
Project supervisor: Engr. Mohammad Nabavi Razavi
- State space modeling of single-machine and multi-machine power system using Heffron-Phillips model in MATLAB
Project supervisor: Prof. Hamid Lesani
- Investigation of FACTs equipment effect on power system stability
Project supervisor: Prof. Hamid Lesani
- Modeling and Simulation of online loss minimizer for internal permanent magnet synchronous machine using MATLAB Simulink
Project supervisor: Prof. Sadegh Vaez Zadeh

- Design of a medium size hybrid public transport vehicle using ADVISOR (ADVISOR is a MATLAB-based software for analysis and simulation of conventional, electric and hybrid vehicles)
Project supervisor: Dr. Behzad Asaei
- Thermal and magnetic analyses of gas-insulated lines
Project supervisor: Dr. Ahmad Gholami
- Member of Organization Committee of the 17th Iranian International Conference on Electrical Engineering April 2009
- Member of Organization Committee of the 2th Iranian Conference “Electric City” ,June 2009
- Member of Organization Committee of the 1st IEEE student branch in Iran University of Science and Technology, 2007-2009

RESEARCH INTERESTS

- Power Electronics
- Renewable Energies
- Distributed Generation Operation and Planning
- Photovoltaic and Solar Energy Systems
- Smart Energy Networks
- Energy Storage Systems
- Large and Small Electric Motors Drive
- Multilevel Converters
- Automotive Electrical, Electronic, and Control Systems
- Plug-in Hybrid Electric Vehicles

HOBBIES AND INTERESTS

- Sports, Mostly Mountain Climbing, Swimming and Body Building
- Listening to Music
- Books

CONTACT

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