

Masoud Pirhaghshenasvali

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EDUCATIONAL BACKGROUND

- 2010-July 2012, M.Sc. in Mechatronics Engineering from Tehran University, GPA: 16.85/20, thesis title "Design and analyze of power smoothing system for energy production in hybrid wind – solar power plants", Tehran, Iran.
- 2001-2005, 4 year B.Sc. in Electric Power Engineering, from Kazeroun Azad University, GPA: 13.08/20, Kazeroun, Fars, Iran.
- 2000-2001 Pre university certificates, Mathematics, Marefat Pre-University Center, Shiraz, Iran.
- 1997-2000 High school Diploma, Shahid Lotfollah Torabi High School, GPA 14.23/20, Shiraz, Iran.

WORKING EXPERIENCE

- Working 8 months as expert in Ghods Niroo Company from summer 2004 to spring 2005.
- Being the managing director of Aria Power Expansion Company from December 2004 to present time.
- Teaching: at Kazeroun Azad University from February 2011 to February 2012 and Shiraz Science and Applied University from September 2011 to February 2012

LANGUAGES

- Persian: Native
- English: Fluent, Academic IELTS Score: 6

COMPUTER SKILLS

- Operating Systems; Windows and MS-DOS.

- Computer Design programs: AutoCAD, Photoshop
- Electronics and Power Engineering programs: MODEC (Mechanization of Distribution Electrical Calculations), MATLAB, PSCAD
- Energy software: HOMER, RETscreen
- Applications: MSOffice (Excel, Word, PowerPoint, And Access), Flash

ARTICLES

- Masoud Pirhaghshenasvali, Asieh Motazedian: “Using Renewable Energies In Buildings”, Presented in First National Conference of Wind and Solar Energy, 23rd of February 2012, Tehran, Iran
- Masoud Pirhaghshenasvali, Asieh Motazedian: “Using Renewable Energies in Buildings”, CIVILICA Encyclopedia of Civil Engineering, 2012, http://www.civilica.com/Paper-WINDCONF01-WINDCONF01_024.html
- Masoud Pirhaghshenasvali: “Modeling and simulation of a standalone hybrid wind-solar system with battery bank and variable load, in order to obtain smooth output power”, Paper accepted in “the 15th Iranian Student Conference on Electrical Engineering”, August 2012, Kashan, Iran
- Two articles in progress in connection with power smoothing in wind turbines and hybrid power systems in standalone locations for ISI journals

DESIGN AND CONSTRUCTION

- Design and construction of a H – Bridge motors drive
- Design and construction of a Intelligent car for the detection and direction finding
- Design and construction of a robot arm with 4 degrees of freedom and the ability to learn the safe way
- Design and construction a device to display the function of Piezo sensor (flexi force)

AWARDS

- 1st place in Track and Field province competitions in 1997.
- Top student of Iran Language Institute in 1998.
- Certification of Karate Federation for achieving Yellow belt in 2005.

- Certification of Karate Federation for achieving Blue belt in 2006.
- 1st in Cycling University competitions in 2011

RESEARCH INTERESTS

- Different kinds of energy sources used in Industrial electronic engines.
- Ways of thrift in the usage of energy with the optimum output.
- Using natural energies such as Solar and Wind Energies in producing electricity.
- Global warming and its effects on society especially in developing countries.
- Reduction loss in electric machines and power systems.

SPORTS AND EXTRACURRICULAR ACTIVITES

- Being students' representative during the B.Sc.
- Being a member of track and field team for 3 years.
- Being skillful in Martial Arts such as Karate.
- Being a member of school's volleyball team.
- Nature photographer.
- Reading psychological books.
- Playing the keyboard.

REFERENCES

- Dr. Behzad Asaei, Assistant professor, School of Electrical & Computer Eng, University of Tehran, Phone: +98-21-82084936, Fax: +98-21-88633029, Mobile: +98-912-7391123, Email: basaei@ut.ac.ir
- Dr. Ali Rafiee, Assistant professor biomedical engineering, Electric Power Engineering Department, Kazeroun Azad University, P.O. Box 73135-168, Kazeroun, Iran, Phone: +98 9171133925, Email: alirafiee_2000@yahoo.com
- Dr.A.W Kazerouni, Associate professor, Electric Power Engineering Department, Kazeroun Azad University, P.O. Box 73135-168, Kazeroun, Iran.
- Mrs. Narges Bayatfarsi, Member of the Managers team of Aria Power Expansion Company, Cell: +98 9368544386, Email: saba_85ir@yahoo.com