

Personal Information:

Name: Sadegh Shamlou
Date of birth: 07/31/1974
Marital Status: Married
Childs: Two Sons

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Education:

2006 – PHD Candidate
Electrical Power Engineering,
Amirkabir University of Technology
(Tehran Polytechnic), Tehran, Iran

1998-2000 MS., Electrical Power Engineering,
Ferdowsi Mashhad Univ.
Mashhad, Iran,
GPA: 18.39 / 20

1993-1998, BS, Electrical Power Engineering,
Amirkabir University of Technology
(Tehran Polytechnic), Tehran, Iran,
GPA: 15.72 / 20

Rewards and Honors:

The First Rank Student in MSC. in Ferdowsi University

Patent 1 :

Electromechanical & Electronic Switch Governor of Single Phase Induction Motors, Registered in Iran, No:28893, 2003

Patent 2 :

A New Method to Changing Single Speed Single Phase Induction Motors to Two Speed, Registered in Iran, No:28892, 2003

Patent 3:

New Stator for Shaded pole motors, DC motors, Universal motors and single phase permanent magnet synchronous motors, Registered in Iran, 2008

Member of Iranian Standard Institute in Electric Machines Committee since 2000.

Member of National Electrical Standard Committee ,2004

Publications :

PHD Thesis : Analysis, Design And Prototype Of A New Structure Of Flux Switching Motor. In progress

MS. Thesis: A Novell Method in Dynamic Analysis of Eccentricity in Three Phase Induction Machines, 2000

MS. Seminar: Review of Electric Machines Faults.

BS Thesis : Modeling and Simulation of Three Phase Induction Motor With Arbitrary Air gap, 1998

Paper 1: A Novel Optimization Method to Economic Load dispatch. PSC-2000

Paper 2: Squirrel Cage Three Phase Induction Motor Inductances with Modified Winding Function Method. PSC-2003

Paper3: Improved Winding Function Theory for The Calculation of Induction Machines Inductances, ICEMS 2004, Korea

Paper4: Electric machines Core Effects Modeling In Winding Function Theory, ICEE 2006 , Iran

Paper5: Using Improved Winding Function Theory and 2D Finite Element Method to Model Air-Gap Eccentricity in Induction Motors, ICEMS, 2006, Greece

Paper6: Unbalanced magnetic Pull Analysis in Three Phases Induction Machine Due to Eccentricity with Winding Function Method. PSC2006

Projects:

NRI (Niroo Research Institute) , 2002

Software: Simulation of Three Phase Induction Motor Under Any Rotor Faults (Static, Dynamic, Mixed Eccentricity & Broken Bar) by WFM Method.

Energy Department of Power Ministry, 2003

Software : Simulation of All Kind of Single Phase Induction Motors with WFM Method with Respect to Design Optimization.

Experiences:

**Senior Electrical Engineer of R & D Dept. - Electric Motor Designer
Electrogen Co., Manufacturer of Electric motors, Iran. 2000 to 4 / 2003**

**Senior Electrical Engineer of National Iranian Gas Company,
Ilam Gas Treating Project, 5/2003 to 2008**

**Senior Electrical Engineer of National Iranian Gas Company,
Bidboland II Gas Treating Project, After 2008**

**Head of R & D Dept.
Electrogen Co., Manufacturer of Electric motors, Iran , After 2008**

Training & Software Knowledge:

ETAP : Software of Power System Analysis

Delta V : DCS Configuration

DCS : Industrial Networks

PLC S5 Siemens

Autocad

Matlab

Calculux : Lighting Software

Dialux : Lighting Software

Microsoft Office: (Windows XP, Word, Excel, Access, Power Point, Outlook, IE, ...)

Area of Interests:

Electrical Machines

Design

Analysis

Simulation

Optimization

Condition Monitoring

Faults

Drives

Energy

Saving

Management

Auditing

Load management

Power System

Installation design

Analysis