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# Alireza Pouramin Aein

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## Personal Information

- Date of Birth: Feb, 19<sup>th</sup>, 1982**
- Gender: Male**

## Objective

- Acquiring Ph.D. degree in power engineering in the field of electrical machinery and drives
- Achieving a research position in a good academic department

## Education

- Isfahan University of Technology (IUT), Isfahan, Iran**
  - **M.Sc.** in Power Engineering, Electrical Machines and Derives
- Isfahan University of Technology (IUT), Isfahan, Iran**
  - **B.Sc** in Electrical Engineering, Power. (GPA: 14.8/20, Tech. GPA: 14.44/20),
  - **B.Sc. Project Title:** EAF Voltage flicker Mitigation in " Esfahan's Mobarake Steel Company "  
(under supervision of Prof. Madani).
- SAMPAD High school, Kermanshah, Iran**
  - **High School Diploma:** Mathematics & Physics (GPA: 17.8/20), Affiliated to the National Organization for Development of Exceptional Talents (NODET), June 2002.

## Publication & Lectures

- Conference Papers**  
Development of Central Control System for Pressurized Irrigation System;  
Iranian Committee on Irrigation and Drainage (IRNCID), Karaj, Iran  
Osroosh Y., A. Yari., S.S. Eslamian, A. Pouramin, H. Jamshidi pour
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## Referee

- Reviewer of Iranian student Conference on Electrical Engineering, Summer 2007.**

## Research Experience

- Power Electronic**
  - Power Factor Correction.
  - Simulation of AC-DC and DC-DC Converter.
  - Analysis and Simulation of INVERTER.
- Electrical Drives**
  - VFD

- Analysis and Simulation of DC Motor Drives
- Analysis and Simulation of IM (Induction Motor) Drives.
- Analysis and Simulation of PMS Motor Drives.

**Finite Element Method**

- Improve torque and performance of IPMS with FEM.

**Electrical Vehicle**

- Research on Lightweight Electrical Vehicle and HEV.

**Power System**

- Mitigation Voltage Flicker of EAF.
- Analysis and simulation of synchronous generator Dynamic behavior.

## Teaching Experience

- Teaching assistant in Introduction to Electric course**, Isfahan University of Technology, Iran, 2007
- Lab. Electrical machine**, Isfahan University of Technology, Iran, 2007

## Work Experience

- Working as Power engineer under supervision of Prof. Madani**, "Supplying of Automotive parts for Iran Khodro" ( SAPCO ). Isfahan, Iran, Winter 2007
- Management of design and implementation of Coil Trans in Peugeot (requested by Karbin electric Co.).
- Working as Power engineer**, "Anshan Ab Pars "
- Speed Control on induction machine (VFD-based intelligent pumping system)

## Computer Skills

- Operating Systems:** Windows.
- Programming Language:** C/C++, BASIC
- Application Softwares :** Microsoft Office, MATLAB, Simulink, Orcad, PSpice, PSIM , DigSilent ,
- Other Softwares :** Photoshop , Ulead Studio , Adobe Premier.

## Hobbies

- Music**
- Movie:** Especially Walt-Disney cartoons (Cars, Incredible, Finding Nemo, etc)
- Sports:** Cycling, Swimming, Football

## Language

- English:** (Reading and Writing): Good  
Speaking: fair
- Persian:** Fluently.

## References

- Prof. Mohammad Madani**

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Isfahan University of Technology  
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