



## CURRICULUM VITAE

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### **Education/Qualifications**

2010-2014 Ph.D. in Electrical Engineering, Department of Electrical Engineering, [AmirKabir University of Technology](#) (Tehran Polytechnic), Tehran, Iran. Majoring in Power System Engineering  
2003-2006 Master of Science in Electrical Engineering, Department of Electrical and Computer Engineering, [Isfahan University of Technology](#), Isfahan, Iran. Majoring in Power System Engineering  
1999-2003 Bachelor of Science in Electrical Engineering, School of Electrical and Computer Engineering, [Shiraz University](#), Shiraz, Iran. Majoring in Power System Engineering

### **Employment to Date/Work Experience**

2008-2010 Power System Engineer, [Fars Regional Electric Company](#)  
2015-present Faculty member of [Hormozgan University](#) & [Larestan University](#)

### **Other Experience/Activities**

2010-2014 Research Assistant in [Electrical Machines and Transformer Research Laboratory \(EMTRL\)](#), Department of Electrical Engineering, Amirkabir University of Technology. Founder and Director: Prof. Mirsalim.

### **Other Skills**

#### COMPUTER SKILLS

Engineering Softwares: MATLAB and Simulink (Control Systems, Power System Block Set, Fuzzy Logic, Neural Network), Ansoft Maxwell, OrCAD/PSpice, EMTP, DIgSILENT, Arc GIS.  
Programming Languages: MATLAB programming language, C/C++. General Softwares: Word, Excel, FrontPage, PowerPoint, Visio, Photoshop.  
Operating Systems: MSDos, Windows.

### **RESEARCH INTERESTS**

Electrical Machines & Drives, Design and simulation  
Power Electronics  
Power systems  
Applied Nonlinear Control & Neural Networks

### **PATENTS**

“Self-excited hybrid electromagnetic brake”, Iran National Patent, reg. no. 83000, 2014. Verified by the [Iran Research Organization for Science and Technology \(IROST\)](#). [patent description](#), [validation](#)

“Double-sided slotless axial-flux permanent magnet machines with improved trapezoidal stator core”, Iran National Patent, reg. no. 83736, 2014.

### **Publications**

#### - Journal Papers

2017 P. Hekmati, R. Yazdanpanah, M. Mirsalim, E. Ghaemi, “Radial-Flux Permanent-Magnet Limited-Angle Torque Motors”, IEEE Transactions on Industrial Electronics (ISI), vol. 64, no. 3, 2017.



- 2015 R. Yazdanpanah, M. Mirsalim, “Analytical Study of Axial-Flux Hybrid Excitation Eddy Current Brakes”, *International Journal of Applied Electromagnetics and Mechanics (ISI)*, vol. 47, no. 4, 2015.
- 2015 R. Yazdanpanah, M. Mirsalim, “Design of Robust Speed and Slip Controllers for a Hybrid Electromagnetic Brake System”, *IET Electric Power Applications (ISI)*, vol. 9, no. 4, 2015.
- 2015 P. Hekmati, R. Yazdanpanah, M. Mirsalim, “Design and Analysis of Double-Sided Slotless Axial-Flux Permanent Magnet Machines with Conventional and New Stator Core”, *IET Electric Power Applications (ISI)*, vol. 9, no. 3, 2015.
- 2015 R. Yazdanpanah, and M. Mirsalim, “Hybrid Electromagnetic Brakes: Design and Performance Evaluation”, *IEEE Transactions on Energy Conversion (ISI)*, vol. 30, no. 1, 2015.
- 2014 R. Yazdanpanah, and M. Mirsalim, “Axial-Flux Wound-Excitation Eddy-Current Brakes: Analytical Study and Parametric Modeling”, *IEEE Transactions on Magnetics (ISI)*, vol. 50, no. 6, 2014.
- 2008 R. Yazdanpanah, J. Soltani, G. R. Arab Markadeh, “Nonlinear torque and stator flux controller for induction motor drive based on adaptive input–output feedback linearization and sliding mode control”, *Energy Conversion and Management (ISI)*, vol. 49, no. 4, 2008.
- 2008 G. R. Arab Markadeh, R. Yazdanpanah, J. Soltani, “Input-Output Feedback Linearization Control of Induction Motor with Adaptive Backstepping Observer”, *European Power Electronics and Drives (ISI)*, vol. 18, no. 2, 2008.
- 2007 R. Yazdanpanah, J. Soltani, “Robust Backstepping Control Of Induction Motor Drives Using Artificial neural Networks and Sliding–Mode Flux Observers”, *International Journal of Engineering, Transactions A: Basics*, vol. 20, no. 3, 2007.
- Conference Papers**
- 2018 R. Yazdanpanah, B. Sadeghzadeh, P. Hekmati, “Design and Analysis of Axial Flux Permanent Magnet Generator for Portable Power Generation”, *Power Electronics, Drives Systems & Technologies Conference (PEDSTC)*, 2018.
- 2015 M. A. Noroozi, J. S. Moghani, R. Yazdanpanah, “Passive-rotor Disk-shaped Transverse-flux Permanent-magnet Generator for Small Wind Turbine Application”, *IEEE 6th Power Electronics, Drive Systems & Technologies Conference (PEDSTC2015)*, Feb, 2015, Tehran, Iran.
- 2014 P. Hekmati, R. Yazdanpanah, J. Mili Monfared, M. Mirsalim, “Adjustable Capacitor for the Single-Phase IM Performance Improvement”, *IEEE 5th Power Electronics, Drive Systems & Technologies Conference (PEDSTC2014)*, Feb, 2014, Tehran, Iran.
- 2006 J. Soltani , R. Yazdanpanah, “Robust Backstepping Control of Induction Motor Using Artificial Neural Networks”, *International power Electronics and motion Control Conference (IPEMC)*, 2006, China.
- 2006 J. Soltani , R. Yazdanpanah , “Robust Direct Torque Control of Adjustable Speed Induction Motor Drive Based on Input-Output Feedback linearization Using Neural Networks”, *International Conference on Electrical Machines and Systems (ICEMS)*, 2006, Japan.
- 2006 R. Yazdanpanah , A. Farrokh Payam, “Direct Torque Control of An Induction Motor Drive Based on Input-Output Feedback Linearization Using Adaptive Backstepping Flux Observer”, *Artificial Intelligence in Energy Systems and Power (AIESP)*, 2006, Portugal.



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A.Farrokh Payam , B. Mirzaeian Dehkordi , R. Yazdanpanah, “Nonlinear Sliding-Mode Speed Control of the DC Servo Motor”, Artificial Intelligence in Energy Systems and Power(AIESP), 2006, Portugal.

#### References

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