



## Seyed Hossein Ejtahed

Lecturer

College: Faculty of Electrical and Computer Engineering

Department: Electrical Engineering - Control

- [Thought Courses](#)

### **Graduate Courses**

Multi-variable control  
Optimal control  
Nonlinear control  
Fault Tolerant Control

### ***Under Graduate Courses***

Linear Control  
Linear Algebra  
Electrical circuits  
Digital/logic circuits  
Fundamental of Electrical Engineering

### Papers in Conferences

1. [Analytical Design and Finite Element Analysis of High Speed, Axial-Flux Permanent Magnet Synchronous Motor](#) ,The International Power Electronics, Drive Systems and Technologies Conference (PEDSTC) ,1 - 14 02 2017, مشهد .
2. [Analytical Design and Finite Element Analysis of High Speed, Axial-Flux Permanent Magnet Synchronous Motor](#) ,The International Power Electronics, Drive Systems and Technologies Conference (PEDSTC) ,1 - 14 02 2017, مشهد .
3. [Research on Control of Non-Ideal Permanent Magnet Brushless Motor in view of Torque Ripple Minimization](#) ,8th Annual International Power Electronics, Drive Systems and Technologies Conference (PEDSTC) ,1 - 14 02 2017, مشهد .
4. [Sensorless Control of Non-Sinusoidal Permanent Magnet Brushless Motor using Selective Torque Harmonic Elimination Method and Sliding Mode Observer](#) ,8th Annual International Power Electronics, Drive Systems and Technologies Conference (PEDSTC) ,1 - 14 02 2017, مشهد .
5. [Edjtahed ,Nonlinear State Space Modeling of Variable speed Wind Power Generation System](#) ,IEEE Power Engineering Society (PES) General Meeting ,Montreal, Quebec, Canada ,18-20June 2006.

## Papers in Journals

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1. سيدحسين اجتهد،مدلسازی غيرخطی و کنترل جامع مقاوم توربين بادی سرعت- متغير با ژنراتور القایی قفس سنجابی SID,ISC,و کنترل زاويه پيچش پره‌ها،نشریه مهندسی و مدیریت انرژی،مجلد ۷،شماره صفحات ۲۰/۰۶/۱۳۹۶،۲۶ بدون جاروبک،نشریه انرژی ایران،مجلد DC سيدحسين اجتهد،ابو الفضل حلوائی نیاسر،کنترل محرکه های موتورهای ISC،۱۹،شماره صفحات ۲۰/۰۷/۱۳۹۵،۱۴۵.
3. مجتبی یآوری ،سيدحسين اجتهد،سيد عباس طاهر ،A Non-linear Controller Design for UPQC in Distribution Systems,Alexandria Engineering Journal,Vol. 57,pp. 3387,2018 12 11,SCOPUS.
4. سيدحسين اجتهد ,State Space Modeling and Robust Wind Power Generation System,Journal of Alternate Energy Sources & Technologies,Vol. 8,pp. 24,2017 08 11.
5. سيدحسين اجتهد،اميرحسين پيرزاده،ابو الفضل حلوائی نیاسر ,Dynamic Modeling and Simulation of Short-Duration Over-excitation Phenomenon in Hysteresis Motor,International Journal of Power Electronics and Drive System (IJPEDS),Vol. 8,pp. 31,2017 06 11,SCOPUS.
6. محسن تیموری،سيدحسين اجتهد،ابو الفضل حلوائی نیاسر ,Design and Simulation of Z-Source Inverter Fed Brushless DC Motor Drive Supplied With Fuel Cell for Automotive Applications,Journal of Power Electronics & Power Systems,Vol. 6,pp. 60,2016 12 11.
7. سعید خوبی آرانی،سيدحسين اجتهد،ابو الفضل حلوائی نیاسر ,Energy Management of a Solar Powered Electric Vehicle with Multiple-Energy Storage via Optimized Fuzzy Controller,Journal of Control & Instrumentation (JoCI),Vol. 7,pp. 1,2016 11 11.