صفحه اصلي

شما اينجا هستيد:

درباره دانشکده



- QBasic - ORCAD

آزمایشگاهها پژوهش تماس با ما ر اهنمای تلفن آموزش افراد درباره دانشکده ĸ أزمايشگاه الكترونيك نوري حسین مددی مرتبه علمی :دانشیار تخصص : Professor in Power Electronics & Motor Drives زمینه های تحقیقاتی : در حال حاضر یک پروژه بزرگ بین المللی با مدیریت اینجانب در زمینه انرژیهای نو و شبکه هوشمند در حال اجرا است دانشجو های علاقمند با بنده تماس بگیرن able Speed Motor Drives-1 2- Induction Motor Drives, PMSM drives, IPMSM Drives, Stepper Motor Drives, Application of Adaptive Control(EKF, MRAS, ...), Fuzzy Logic & Neural Network in Motor Drives, Estate Estimation 2-Power Electronics: DC-DC Choppers, Inverters, AC to DC Converters, Application of Power Electronics in Energy ersion Systems (Wind Energy, Solar Energy, Small Hydropower Units, Grid connected Inverters). 3- Electrical Machines: Modeling and Simulation of AC & DC motors, .Synchronous & Induction Generators مراكز تحقيقاتى :Renewable Energy Research Center, SUT, from 2008 پست الکترونیکی: madadi@sut.ac.ir, hmadadi64@yahoo.ca شـماره تلفن: 04113459361 شـماره فکس: رزومه: n: Physics & Mathematics; Ferdowsi High-School, Tabriz-IRAN G.P.A.: 19.34 (out of 20), Rank: 1/3000 Electrical Engineering; University of Tabriz, Tabriz-IRAN G.P.A.: 16.21 (out of 20), Rank: 1/35 Electrical Engineering; University of Tabriz, Tabriz-IRAN G.P.A.: 17.07 (out of 20), Rank: 2/10 Electrical Eng., Motor Drives & Power Electronics, CANADA University of New Brunswick (UNB), CANADA, G.P.A, A+ c]: UNB, & Universit de Moncton, CANADA (Sept. 2003 - Sept. 2005) nal Membership: r in Power Electronics Interests: le Speed Motor Drives: nduction Motor Drives, PMSM drives, IPMSM Drives, Stepper Motor Drives, Application of Adaptive Control (EKF, MRAS, ...), Fuzzy Logic & Neural Network in Motor rives, Estate Estimation Electronics: IC-DC Choppers, Inverters, AC to DC Converters, Application of Power Electronics 1 Energy Conversion Systems (Wind Energy, Solar Energy, Small Hydropower Units, Grid connected Inverters). lodeling and Simulation of AC & DC motors, Synchronous & Induction Generators. ı Skils: with: - Microprocessors, Microcontrollers, Intel 80C196KC/ KD - DSP, eZdspTMS320LF2407 - C language - Lab Window/CVI , Version 6.1 [NI-DAQ, PCI-MIO-16E-4] -MATALAB, SIMULINK Version 6.1

- Microsoft Word - Word Perfect
0- PSIM
1- Grid connected Inverters for wind turbine application
e: experience of the second of
- Evanience
Experience:
Courses and Workshops Attended:
c Accomplishments:
and Distinctions:
t rank award in Tabriz, Iran high schools
t rank award in Tabriz University, B.SC. t Doctoral fellowship, UNB, Canada
ording of 2 Inventors in Iran
ign and construction of Grid connected Single phase Inverter by DSP-TMS 320-2407A
trol of IM speed by 4 -switch three phase inverter
es:
ons:
. Faiz, M. Sharifian, and H. Madadi Kojabadi, "Simulation of Induction Motor Including Mechanical losses and Saturation." Advanced Technology of Electrical
ingineering and Energy (Journal), China, No.1, pp. 55-60, 1994.
I. Madadi Kojabadi, and G. Ahrabian," Simulation and analysis of the interior permanent magnet synchronous motor as a brushless AC-Drive", Simulation Practice
<i>and Theory</i> , 7(2000), pp. 691-707, <i>ELSVIER</i> .
I. Madadi Kojabadi, L. Chang, and T. Boutot," Development of a Novel Wind Turbine Simulator for Wind Energy Conversion Systems Using an Inverter Controlled
nduction Motor," <i>IEEE Transaction on Energy Conversion</i> , vol. 19, no. 3, Sept. 2004, pp. 547-552.
I. Madadi Kojabadi, L. Chang ,"Comparative Study of Pole Placement methods in adaptive flux observers, "Control Engineering Practice, ELSVIER. Volume 13,
ssue 6, June 2005, Pages 749-757. I. Madadi Kojabadi, L. Chang "A Novel Wind Steady-State Turbine Simulator Using an Inverter Controlled Induction Motor," Wind Engineering". 2004, pp. 433-
43(11).
I. Madadi Kojabadi, L. Chang, and R. Doraiswami" A MRAS-Based Pseudoreduced Order Flux Observer for Sensorless Induction Motor Drives, IEEE
<i>Transactions on Power Electronics,</i> Volume 20, Issue 4, July 2005 Page(s):930 – 938.
I. Madadi Kojabadi ," Simulation and experimental studies of model reference adaptive system for sensorless induction motor drive Simulation
Andeling Practice and Theory, Volume 13, Issue 6, September 2005, Pages 451-464.
Iohammad Monfareda , H. Madadi Kojabadi , H. Rastegar" Static and dynamic wind turbine simulator using a converter controlled DC motor," <i>Renewable Energy, nternational Journal Elsevie</i> r, Vol. 5, May, 2008, pp. 906-913.
I. Madadi Kojabadi, L. Chang, I. Ghadoura, M. Ghribi, A Novel DSP-based Current-Controlled PWM Strategy for Single Phase Grid Connected Inverters," IEEE
<i>Transaction On Power Electronics.</i> , Vol. 21, no. 4, 2006. pp. 985-993.
10hammad Monfareda , H. Rastegar, H. Madadi Kojabadi, "A new strategy for wind speed forecasting using artificial intelligent methods" Renewable Energy,
nternational Journal Elsevier, Vol. 34, (2009), pp. 845-848.
I. Madadi Kojabadi," Active power and MRAS based rotor resistance identification of an IM drive, Simulation modelling practice and theory, SIMPAT ELSEVEIR, 17
2009)-376-389. 1. Kazemi A. sadeghi H. Madadi Kojahadi "A Simple Approach to Direct Power Control of DEIG Based on DSVM with Constant Switching Frequency." has been
1. Kazemi, A. sadeghi, H. Madadi Kojabadi, "A Simple Approach to Direct Power Control of DFIG Based on DSVM with Constant Switching Frequency," has been ccepted at <i>Renewable Energy, International Journal Elsevier</i> .
tions:

- li, **H. Madadi Kojabadi**, Damroudi," Optimization of DC motor speed control using adaptive controller and comparing it with constant PID controller, 7, Iranian Conf. on Electrical Eng, Tehran, Iran.
- i. Ahrabian, and **H. Madadi Kojabadi**, "Improving of the Performance of Brushless Dc Motor by Injecting of Demagnetizing Current." *IGIP*, Klagenfort/Austria, ionference Proceedings, PP.623-629, 1992.

- i. Ahrabian, and **H. Madadi Kojabadi**, "Estimation of Pole Position of an Inverter Fed Permanent Magnet Synchronous Machine by an Extended Kalman Filter" *roceedings of the 1996 IEEE International Symposium on Circuits and Systems, ISCAS.* Part 4 (of 4), May 12-15 1996, Atlanta, GA, USA, p 588-591.
- i. Ahrabian, and **H. Madadi Kojabadi,"** Estimation of Speed of an Inverter Fed IPMSM by an Extended Kalman Filter," *ELMA'93*, Varna / Bulgaria, Conference roceedings, pp.498-503, 1993.
- I. Madadi Kojabadi, and G. Ahrabian," Interior Permanent Magnet Synchronous Motor Drive without Electro-mechanical Sensors." *ELMA,96, Eight International onference on Electrical Machines and Derives*, Varna/Bulgaria, pp. 102-110, 1996.
- . Chang, and **H. Madadi Kojabadi,"** Review of interconnection standards for distributed power generation," *Proceedings of IEEE 2002 Large Eng. System Conf., on Power Eng. (LESCOPE02)*, Halifax, Canada, Jun, 2002, pp.36-40.
- I. Madadi Kojabadi, and L. Chang, "Recent progress in sensorless vector-controlled Induction Motor drives," *Proceedings of IEEE 2002 Large Eng. System Conf., on Yower Eng. (LESCOPE02)*, Halifax, Canada, Jun, 2002, pp.80-85.
- **I. Madadi Kojabadi, and** L. Chang," Model reference adaptive system pseudoreduced order flux observer for very low speed and zero speed estimation in ensorless induction motor drives." *PESC Record IEEE Annual Power Electronics Specialists Conference*, v 1, 2002, pp. 301-308, *PESC02*, Queensland, Australia.
- . Chang, R. Doraiswami, T. Botout, and **H. Madadi Kojabadi,"** Development of a Wind Turbine Simulator for Wind Energy Conversion Systems," *IEEE 2000 Tanadian Conference on Electrical and Computer Engineering*, Halifax, Canada, May 2000, pp. 550-554.
- I. Madadi Kojabadi, L. Chang, R.. Doriaswami," Novel Adaptive Observer for Very Fast Estimation of Stator Resistance in Sensorless Induction Motor Drives" *IEEE Innual Power Electronics Specialists Conference*, 2003, pp. 1455-1459, *PESCO3, Mexico*.
- **I. Madadi Kojabadi,** L. Chang, R.. Doriaswami," Effects of Adaptive PI Controller Gains on Speed Estimation Convergence and Noises at Sensorless Induction Motor rives, pp. 263-269, 2003, Montreal CCECE2003.
- I. Madadi Kojabadi, L. Chang, R.. Doriaswami," Stability Conditions of Adaptive Pseudureduced-Order Flux Observer for Vector-Controlled of Sensorless IM Drives resented in:"IEEE Canadian Conference on Electrical & Computer Eng., CCECE2004, Niagra Falls, Canada.
- I. Madadi Kojabadi, L. Chang, "Induction motor as wind turbine simulator, presented at MITACS 2004, Halifax, Canada.
- **I. Madadi Kojabadi**, L. Chang, A. Chao, M. Ghribi, "Optimal PI controller gains using a multi-loop multi objective genetic algorithm in IM drives," CCEC2005, in CD ai Zhang, **H. Madadi Kojabadi**, L. Chang, , "Modelling of a converter-connected six phase PMSM Generator" Malysia, Nov. 2005, PEDS 2005.
- I. Madadi Kojabadi, I. Gadoura, M. Ghribi, IMPLEMENTATION OF DIFFERENT CURRENT-CONTROLLED PWM STRATEGIES FOR VSI, Has been accepted in IFAC, 005. Pragh, Czech Republic.
- I. Madadi Kojabadi, I. Gadoura, M. Ghribi, "A simple digital current control for Grid-connected inverters, "Germany, 2005, EPE2005, Germany.
- I. Madadi Kojabadi, K. Zhang, M. Ghribi," Wind turbine driven grid-connected inverter based on predective current control technique," 20th international power ystem conference, PSC2005, Tehran-Iran, Nov. 2005.
- . Joshi, A. Gordon, I. Holloway, L. Chang, **H. Madadi**," Development of stand alone micro-hydro system using pump as turbine tech. for low head sites in remote reas" 20th international power system conference, PSC2005, Tehran, Iran, Nov. 2005.
- I. Madadi Kojabadi, L. Chang," Sensorless PMSM drives with MRAS based adaptive speed estimator," 37th IEEE power electronics specialist conference, PESC06, eju, South Korea, June 2006.
- 1. Monfared, H. Rastegar, H. Madadi Kojabadi, "Overview of Modulation Techniques for the Four-Switch Converter Topology, 2nd IEEE International Conference on ower and Energy (PECon 08), Has been accepted.
- 1. Kazemi, A. sadeghi, **H. Madadi Kojabadi**, "Active power direct control of wind turbines by using of discrete space vector modulation," *PSC2008, 23th International Yower System Conference*, Iran, Tehran, 2008.
- M. Bagheri, H. Madadi Kojabadi," Novel single stage grid connected PV system with fuzzy reactive power control," *PSC2008, 23th International Power System Inference*, Iran, Tehran, 2008.

صفحه اصلی | وب سایت دانشگاه صنعتی سهند | تماس با ما

دانشگاه صنعتی سهند ، دانشکده مهندسی برق - صندوق پستی: 51335-1996 | روابط عمومی: info.ee@sut.ac.ir | 0411 3444322