

## **PUBLICATIONS :**

R Saifi, N Nait-Said, A Makouf , L Chrifi-Alaoui, S Drid: Speed Sensorless Vector Control of Induction Motor using Online Neural Voltage-Current Phase difference Estimation, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE

I Bakhti, S Chaouch, A Makouf :Robust integral backstepping control with extended Kalman filter of permanent magnet synchronous motor : Int. J. Industrial and Systems Engineering, Vol. 31, No. 1, 2019

I Bakhti, S Chaouch, A Makouf : Speed control of permanent magnet synchronous motor using different strategy of sliding mode approach : Journal of Engineering Science and Technology Vol. 12, No. 10 (2017) 2778 - 2791

Ibtissem. Bakhti, Souad. Chaouch, Abdessalam. Maakouf, Tarek. Douadi;” Robust Sensorless Non Linear Controls for Induction Motor with Sliding Mode Observer”, Journal of Control Engineering and Technology, Vol. 4, Issue 2, April 2014, Pages 108-116

A. Fezzani, s. Drid, Abdessalam A.Makouf; «The Permanent Magnet Synchronous Motor Robust Nonlinear Feedback Control based on Lyapunov Method -Experimental Evaluation-»; Journal of Electrical Engineering , JEE. Vol.14, N°3, 2014, pp28-33, Romania.

A. Fezzani, S. Drid, A. Makouf, L. Chrifi-alaoui and M. Ouriagli, "Speed Sensoless Robust Control of Permanent Magnet Synchronous Motor Based on Second-Order Sliding-Mode Observer" , Serbian Journal of Electrical Engineering, Vol.11, No.3, 2014, pp. 419-433.

Dalila Khamari, Abdesslem Makouf, Said Drid, "High Performance of Self Scheduled inear Parameter Varying Control with Flux Observer of Induction Motor JEET Journal of Electrical Engineering & Technology , Volume 8 Number 5, page 1202-1211, September 2013

Dalila Khamari, Abdesslam Makouf, Said Drid and Larbi Chrifi-Alaoui, "Robust Linear Parameter Varying Induction Motor Control with Polytopic Models ", Serbian Journal of Electrical Engineering, Vol.10, No.2, pp.335-348, 2013.

I.BakhtiI, S. Chaouch and A. Makouf:” High performance backstepping control of induction motor with adaptive sliding mode observer” ,*Archives of Control Sciences* , Volume 21(LVII), 2011, No. 3, pages 331–344

Bakhti, S. Chaouch, and A. Makouf, “Sensorless Speed integral Sliding Mode control with adaptive sliding mode observer design of induction motor,” *Journal of electrical engineering*, vol. 12, no. 2, 2011.

I. Bakhti, S. Chaouch, and A. Makouf, “Comparative Study of Backstepping control in tow Different Referential for induction Motor with Sliding Mode Observer,” *The Mediterranean journal of measurement and control*, vol. 9.no.1, 2011.

Saïd Drid, A.Makouf and Mohamed-Saïd Naït-Saïd, “Variable speed Doubly Fed Induction Generators Power Control with Wind Turbine Maximum Power Point Tracking”, Journal of Hydrocarbons Mines and Environmental Research, ISSN: 2107-6510, Volume 2, Issue 1a, June 2011, 3-5, Available online 06 July 2011, p.18-23

Hadda Bendrradji, Larbi Chrifi Alaoui, Sofiane Mahieddine Mahmoud, S. Chaouch, A. Makouf, "Robust Control of Induction Motor using Hinf theory based on loopshaping", *Journal of Electrical Engineering and Technology (KIEE)*, Vol 6, N°2, pp. 226-231, Korea 2011.

Hadda Bendrradji, A. Makouf, "Sliding Mode Linearization and Hinf controller Applied to an Induction Motor", *AMSE Journal advances in Modelling and Simulation Techniques, Automatic Control (Theory and Application)*, Vol. 65, N°2, 2010

Hadda Bendrradji, A. Makouf, "Sliding Mode Linearization control of Induction Motor using a sliding mode flux observer", *Journal ACTA Electrotechnica*, Vol. 51, N°2, pp 85-91 Romania 2010

Hadda Bendrradji, A. Makouf, Larbi Chrifi Alaoui, Sofiane Mahieddine Mahmoud, S. Chaouch "Robust Control of Induction Motor using Hinf method", *Journal ACTA Electrotechnica*, Vol. 51, N°1, pp 3-8, Romania 2010

S. Drid, A. Makouf, M.S. Naït-Saïd and M. Tadjine, "The Doubly Fed Induction Generator Robust Vector Control based on Lyapunov Method," *Transactions on Systems, Signals and Devices*, Vol. 4, No. 2, pp. 237-250 (*Issues on Power Electrical Systems*) published by Shaker-Verlag (Germany), 2009.

S. Drid, M.-S. Nait-Said, A. Makouf, M. Tadjine, "Modelling of a stand-alone doubly-fed induction generator using two separate reference frames," *ELECTROMOTION journal*, Vol. 16, N° 4 pp. 167-178, 2009,

S. Chaouch, M.S. Nait-Said, A. Makouf and L. Cherifi, "Backstepping Control Based on Lyapunov Theory for Sensorless Induction Motor with Sliding Mode Observer," *Journal of Arab Research Institute in Sciences & Engineering ARISER, Online Publication Group ISSN 1994-3253*, Vol. 4, N°1, pp. 19-27, 2008

S. Chaouch, M.S. Nait-Said, A. Makouf, M. Hilairret, L. Cherifi, "Several Speed Sensorless Methods of Induction Motor Control," *Journal of ACTA ELECTROTEHNICA*, Vol. 49, N° 1, pp. 31-41, 2008

Drid S., Makouf A, Naït-Saïd M.S and Tadjine M., "Highly Efficient Control of the Doubly Fed Induction Motor," *Journal of Electrical Engineering & Technology Vol.2, No.43, pp. 478~484, December, 2007*

S. Chaouch, M.S. Nait-Said, A. Makouf, "Backstepping Control Design of Sensorless Speed Induction Motor Based on MRAS Technique," *International Review of Electrical Engineering (IREE)*, Vol. 2, N°5, pp. 738-744, Sept-Oct, 2007

Drid S., Naït-Saïd M.S., Makouf A and Tadjine M., "Doubly fed induction generator modeling and scalar controlled for supplying an isolated site," *Journal of Electrical Systems JES, Vol.2, Issue 2, pp. 103-115, June 2006, esrgroups, UK.*

D.Diallo, M.E.H Benbouzid, A.Makouf, "A Fault-Tolerant Control Architecture for Induction Motor Drives in Automotive Applications", IEEE Transactions on Vehicular Technology, Vol.53; N°6 November 2004

A.Makouf, M.E.H Benbouzid, D.Diallo N.E.Bouguechal, "A practical scheme for induction motor speed sensorless field Oriented control", IEEE Transactions on Energy Conversion, Vol.19 N°1 March 2004.

M.E.H Benbouzid, D.Diallo, A.Makouf, "A Fault tolerant control management system for electric vehicle or Hybrid electric vehicle induction motor drives " Electromotion, Vol.10, n°1, pp 45-50, March 2003.

A.Makouf, M.E.H Benbouzid, D.Diallo N.E.Bouguechal, "A Robust  $H_\infty$  Control approach for induction motors," Electromotion, Vol.9, n°2,pp63-70, April-June 2002.

A.Makouf, M.E.H Benbouzid, D.Diallo N.E.Bouguechal, " $H_\infty$  and Input Output approach for induction motor robust control," Electrical Engineering Research Report, n°11, pp.1-6, July 2001.