

Curriculum Vitae

Name : **SAID**

Surname : **GROUNI**

Date of Birth and Place: **21.04. 1960 – CORSO,BOUMERDES- ALGERIA.**

Nationality: **ALGERIA.**

Profession: **Dr.State Doctorat- Electrotechnique (Electrical Engineering Department).**

Address: **Dept. Maintenance Industrielle (MI), Faculty (FSI), University M'Hamed Bougara - UMBB of Boumerdes, Boumerdes- ALGERIA.**

Present Position: **Lecturer**

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Qualifications:

BAC: Sciences –Rouiba- Algiers, ALGERIA, 1980.

Ingénieur d'Etat- Electrotechnique (Electrical Engineering):Ecole Nationale Polytechnique (ENP), Algiers, ALGERIA, 1988.

Magister- Electrotechnique (Electrical Engineering)- Machines Electriques (Electrical Machines): Ecole Nationale Polytechnique (ENP), Algiers, ALGERIA, 1992.

Doctorat d'Etat (State Doctorat) Génie Electrique (Electrical Engineering)- Machines Electriques (Electrical Machines):Ecole Nationale Polytechnique (ENP), Algiers, ALGERIA, 2010.

Field of Interest: Electrical Machines, Control Drives, Power Electronics, Diagnostic Control System, Power System.

Courses Taught:Undergraduate Level: Electrical Machines, Electrical Circuit Theory.

Graduate Level: Electrical Machines and Drives, Unified Theory of Electrical Machines.

Publications.

- S. Grouni, H. Hallak, A. Aibeche, H. Akroum and K. Bouallegue, "Dynamic stability approach of an industrial turbo-generator connected to infinite bus in power system," in ISHC'07, 7th International Symposium on

Hydrocarbons and chemistry, Boumerdes, Algiers, Algeria, 5-7 May 2014.
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- Ramdani, S. Grouni, M. Zelmat, “Study of generalized predictive control, parameters setting, comparative analysis with PID controller” in ISHC’07, 7th International Symposium on Hydrocarbons and chemistry, Boumerdes, Algiers, Algeria, 5-7 May 2014. www.ishc7.dz
- S. Grouni, A. Ramdani and K. Bouallegue, “Dynamic angle stability of an industrial turbo-generator connected in power system,” in INCPAA’2014, 10th International Conference on Mathematical Problems in Engineering Aerospace and Sciences, Narvik, Norway, 15th-17th July 2014.
www.incpaa.com
- A. Ramdani, S. Grouni, K. Bouallegue, “New predictive functional control algorithm based on theory and application“, in INCPAA’2014, 10th International Conference on Mathematical Problems in Engineering Aerospace and Sciences, Narvik, Norway, 15th-17th July 2014,
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- A. Ramdani, S. Grouni, K. Bouallegue, “On step Response Model based predictive control“, in ICIPEE’2014, 4th International Conference Information on Power Electronics Engineering, Tebessa, Algeria, 23th-24th November 2014- Algeria.
- A. Ramdani, S. Grouni, K. Bouallegue “Experimental Results of Sensorless Rotor Field Oriented Control Using MRAS,” International Conference on Control, Engineering & Information Technology (CEIT’14), Proceedings Engineering & Technology - Copyright IPCO-2014. ISSN 2356-5608.
- A. Aibeche, M. Kidouche, H. Akroum and S. Grouni “Experimental Sensorless Speed and Stator Flux Estimation of Permanent Magnet Synchronous Motor drives using dSPACE ds 1104,” “ENTECH’14” Energy Technologies Conference, 22-24 December 2014, Istanbul-Turkey.
- A. Aibeche, M. Kidouche, H. Akroum and S. Grouni “Rotor flux estimation based on simple algorithm for FOC induction machine drives using dSPACE 1104,” “ICTAEE’14”, International Conference on Technological Advances in Electrical, 27-29 October 2014, Skikda-Algeria.
- A. Aibeche, M. Kidouche, H. Akroum and S. Grouni “A Simple and Robust Method for Single Open Phase and Sensor Faults Detection and Isolated in PMSM,” in “ISHC7”, 7th international symposium on hydrocarbons and chemistry, Boumerdes, Algeria, 5-7 May 2014.
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- S. Grouni, H. Hallak, A. Aibeche, H. Akroum and K. Bouallegue, “Dynamic stability approach of an industrial turbo-generator connected to infinite bus in power system,” in ISHC’07, 7th International Symposium on Hydrocarbons and chemistry, Boumerdes, Algiers, Algeria, 5-7 May 2014. www.ishc7.dz.
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Experimental Approach in Real Time of Rotor Flux Control For Vector Controlled Induction Machines Drives”, Elektronika Ir Elektrotechnika, ISSN 1392- 1215, October 2010, No. 8(104), pp. 69-73. www.ktu.lt/journals/elektronika_Ir_Elektrotechnika/
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Novel Loss Optimization in Induction Machines with Optimum Rotor Flux Control ”, International Journal of Systems Control, print ISSN:1737-927X, on line ISSN: 1737-9288, October 2010, pp.163-169. www.hyperscience.org/international_journal_of_systems_control/
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Experimental Optimum Flux Control For Vector Controlled Induction Machines Drives”, International Journal of Factory Automation, Robotics and Soft Computing, ISSN: 1828- 6984, INTERNATIONAL SAR, University of Palermo, June 2009, pp. 94-99. www.internationalsar.org/
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Improvement Rotor time constant adaptation in IFOC for induction machine drives” International Journal of Mathematical, Physical and Engineering Sciences, ISSN: 1567- 9800, Fev.2008, pp. 164-169. www.waset.org/journal/vol.37.62.pdf/
- H. Akroum, M. Kidouche, S. Grouni, M. Zelmat, “A Perfectly Symmetrical Configuration in Dual-Bridge Inverter Topology for Maximum Mitigation of EMI, Common-Mode Voltages and Common-Mode Currents”, Electrical Engineering and Electronics, ISSN 1828- 6984, September 2010, No. 7(104), pp. 51-56. www.ktu.lt/journals/electronics_and_electrical_engineering/
- M. Kidouche, H. Habbi, M. Zelmat, S. Grouni, “First integral approach in stability problem of large scale nonlinear dynamical systems”, International Journal of Computer Science, on line ISSN:1306-9292, vol.3, No. 2, Spring 2008, pp.131-136. www.waset.org/international_journal_of_computer_science/
- S. Grouni, A. Aibeche, R. Ibtouen, M. Kidouche, O. Touhami, “Experimental flux estimation in real time for squirrel induction machine

drives”, International Symposium of Hydrocarbon and Chemistry , Algiers, June 2010, Algeria.www.ishc5.dz/

- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Experimental Approach of flux estimation in real time for induction motors drives”, ICMS’09 International Conference on Mathematical Sciences, 04-10 August 2009, Istanbul, Turkey.<http://mathsciencesconf.maltepe.edu.tr/>
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Adaptation of Rotor time constant in IFOC for Induction Machine Drive”, Dynamical Systems International Symposium on Computational Intelligence and Intelligent Informatics, July 2007, Izmir, Turkey. <http://Atlas-conferences.com/c/a/u/24.htm>
- B.S. Khaldi, A. Kouzou, S. Grouni, D. Boukhetala, “Loss minimization of asynchronous machine with field oriented control”, Norpie 2006, Stockholm, 2006, Sweden. M. Kidouche, M. Zelmat, S. Grouni, “A Lyapunov formulation for nonlinear interconnected systems: Variable gradient approach”, SDPS Society for Design Process Science Antalya, 2007, Turkey.www.sdpsnet.org/sdps/otherdocuments/2007proc.pdf
- M. Kidouche, M. Zelmat, S. Grouni, “Construction of Vector Lyapunov Function by Overlapping decomposition”, ISCIIP’07 3rd International Symposium on Computational Intelligence and Intelligent Informatics, March 2007, Agadir, Morocco.<http://Atlas.conferences.com/c/a/u/o/21.htm>
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Application indirect field oriented with optimum Flux for Induction Motor drives”, CISSE’08 3rd International Symposium on Computational Intelligence and Intelligent Informatics, Dec. 2008, University of Bridgeport, New London, USA (Téléconférence, CISCO NETWORK ENGINEER, Boumerdes).
www.cisse2008.org/cisse2008.aspx
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Optimization flux on Control for induction machines drives”, ICEE’09 3rd International Conference on Electrical Engineering, 19 -21 May 2009, Algiers, Algeria.

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Chapter Books

- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “On line Estimator time constant rotor with optimum flux for Induction Motor drives”, Chapter 11, New Trends in Advanced Technologies, Intechweb.org, Jan. 2010, ISBN: 978 -953-7619-62-6, Vukovar, Croatia, www.intechweb.org
www.intechweb.org/http://sciyo.com/articles/show/titlepp.201-212.
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Experimental Optimum Flux Control For VectorControlled Induction Machines Drives”, Emerging Technologies, Robotics and Control Systems, Thirdedition, ISBN: 978-88-901928-8-3, INTERNATIONALSAR, June 2009, University of Palermo, Italy, pp. 97-101. www.internationalsar.org/
- S. Grouni, R. Ibtouen, M. Kidouche, O. Touhami, “Application indirect fieldorientedwith optimum Flux for Induction Motor drives”, Advanced Techniques in Computing Sciences and Software Engineering, ISBN: 978-90-481-3659-9, Published by Springer, 2010, USA, pp.7-11.