Modele CV Enseignant

Name: Fares REBAHI

Rank: Maitre de Conference A

Department: Automatic electrotechnical electronics

Email Address: Fares.Rebahi@enp-constantine.dz, faresbahi@Yahoo.fr, rebahifaresenpc@gmail.com

Educational Profile:

➢ Doctorate in science in electrical engineering university brothers mentouri Constantine Algeria
➢ Master's degree in modeling and control of electrical machines university brothers mentouri Constantine Algeria
➢ Engineer in electrical engineering option electrical machines university brothers mentouri Constantine Algeria

Honors and Distinctions

Scientific Activities & Membership of Scientific Societies

List of Current Research Projects

➢ Research and conduct research in electrical engineering, Design by optimization of innovative electrical machines (variable reluctance machines, synchronous variable reluctance machine).
➢ Identification, modeling and control of electrical machines
➢ Electrical and electronics engineer: design, planning, study, evaluation and testing of electrical and electronic equipment and systems.

List of Journal Publications (starting with most recent one according to the **format below**)

1. **F. Rebahi**, A. Bentounsi, H, Bouchekara and R. Rebbah, 'Optimization design of doubly salient 8/6 based on three computational intelligence methods', Turkish Journal Of Electrical Engineering & Computer Sciences, TUBITAK (ISSN :1300-0632), 2015.
2. **F. Rebahi**, A. Bentounsi, H, Bouchekara and R. Rebbah, 'Multi-objective Optimization Design of 8/6 Switched Reluctance Motor using GA and PSO Algorithms', Journal of Electrical Engineering, JEE (ISSN : 1582-4594), vol. 15, edition 4, 2015.
3. Bentounsi, R. Rebbah, F. **Rebahi**, …, 'Effects of the geometric parameters on performance of SRM by numerical-analytical approch', studies in computational intelligence, Springer Verlag, Berlin, ISSN 1860-949X, ISBN 978-3-16224-4, Vol, 327, pp. 342-349,2010.
4. **F. Rebahi**, A. Bentounsi, S. Yettiche, H. Khelifa, "Realization, Experimentation and Simulation of Prototypes of SynRM", JNTM, Vol. 08, N° 03 (2019), pp. 29-33.

5. H. Khelifa, A.Bentounsi, **F. Rebahi**, M. Machmoum, 'FE Simulation and Experiment of a Self-Excited SynRel Generator Based on COMSOL Software', Journal of Electrical Engineering & Technology, EETE-D-20-00365R2, part of Springer Nature 2020

List of Conference Papers (starting with most recent one, using the **format below**)

*   **F. Rebahi**, A. Bentounsi, A. Lebsir and T. Benamimour, 'Soft magnetic materials for SRM', finite element analysis and perspective, Conf, int, en Sciences etTechnologie au maghreb, CISTEM2014, Tunis, 3-6 Nov. 2014.

1. **F. Rebahi**, A. Bentounsi, …, 'Optimum Geometry to improve Torque of Doubly Salient Variable Reluctance Machine', PEMC, Antalya, Turque, 2014 Septembre 2014.

2. Bentounsi, R. Rebbah, **F. Rebahi**, ' optmized geometrical parameters of à SRM by numerical-analytical approach', Compumag 2009, floriaopolis, Santa Catarina, Brazil, November 22-26, 2009.

3. Bouchareb, A. Bentounsi, A. Lebaroud and **F. Rebahi**, "Automatic Fault diagnosis of Fault Tolerant Power Converter for Switched Reluctance Motor based on Time-Frequency Technique", 16th Int. Power Electronics and Motion Control Conf. And Exposition, PEMC2014, Sept. 21-24, 2014, Antalya, Turkey.

4. Bentounsi, R. Rebbah, **F. Rebahi**, 'Effect of the geometric parameters on performace of a SRM by numerical-analytical approach', ISEF 2009, XIV Int. Symposium on Electromagnetic Fields, Arras, France, Septembre 10-12, 2009.

5. Bentounsi, R. Rebbah, **F. Rebahi**, …, "Optimized geometrical parameters of a SRM by numerical-analytical approach,", Compumag'2009, Florianopolis, Santa Catarina, Brazil, November 22-26, 2009.

6. Bentounsi, …, et **F. Rebahi**, "Simulation d'une MRVDS sous environnement Matlab/Simulink, " ICEEA'08, Univ. D. Liabes, Sidi-Bel-Abbes, 20-21 Mai 2008.

7. **F. Rebahi**, A. Bentounsi, H. Khelifa, O. Boulkhrachef and D. Meherhera, Comparative Study of a Self-excited Induction and Synchronous Reluctance Generators Capabilities, Int. Conf. on Advanced Electrical Engineering, ICAEE 2019, Nov. 19-21, 2019, Algiers.

8. H. Khelifa, A. Bentounsi and **F. Rebahi**, FE Modeling and Simulation of a Synchronous Reluctance Motor Based on COMSOL Multiphysics, 19 th ISEF, 29-31 August 2019, Nancy.

9. **Rebahi Fares,**BentounsiAmmar, 'Optimal Design of a SynRM Based Coupled FEMM-MATLAB Softwares', 2nd International Conference on Advanced Electrical Engineering (ICAEE), 2022.

List of Current Doctoral Research Students Supervision