

Curriculum Vitae

Name: Abdesselam LEBAROUD

Rank: Professor

Department: EEA

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Educational Profile:

- Doctorat, Sciences in electrical engineering, University Constantine 1, Algeria
- Magister, INHC, Boumerdes, Algeria
- Engineer , INHC, Boumerdes, Algeria

Scientific Activities & Membership of Scientific Societies

- President of scientific committee of department EEA.
- President of the ENPC doctoral training committee, electrical engineering, specialty, electrical machines, since 2018.
- Team leader of the polytech Constantine electrical engineering laboratory (LGEPC), since 2019.
- Member of scientific council of the national polytechnic school of Constantine ENPC, since November 2014.
- Member of the Scientific Committee of the Electrical Engineering Department, University of Skikda, until October 2014.
- Team Leader of the Polytech Constantine Electrical Engineering Laboratory (LGEC) since 2012, Department of Electrical Engineering, Faculty of Engineering Sciences, Mentouri Constantine University.
- Member of the Constantine Electrical Engineering Laboratory (LEC) since its creation in 2000 until 2012, Electrical Engineering Department, Faculty of Engineering Sciences, Mentouri Constantine University.
- Expert member in the national workshop of data Networking and infrastructure in the context of artificial intelligence.
- Expert member in the evaluation of CRU EST doctoral training offers.
- Expert member in the evaluation of projects of the national research program (PNR).
- President or Examiner Member in several defense juries: University Habilitation, Doctorate in Science and Magister since 2008.
- Member of the Scientific Committee of the 1st Scientific Days on Science and Engineering, JSSE'18. 09-10 December 2018, ENP Constantine
- Member of the Scientific Committee of the 4th Third International Conference on Electrical Engineering And Control Applications ICEECA'17, November, 21-23, 2017, ENP de Constantine, Algeria
- Member of the Scientific Committee of the "4th International Conference on Electrical Engineering"— ICEE'2015, December 13th to 15th, 2015, Boumerdes, Algeria
- Member of the Scientific Committee of the International Conference ICTAEE'14, International Conference on Technological Advances in Electrical Engineering, October 27-29/2014, Electrical Engineering Department, Faculty of Technology, University of Skikda.

- Member of the Scientific Committee of the International Conference ICEE'2014, International Conference on Electromechanical Engineering Skikda, Algeria, 20-22 November 2014. Faculty of Technology, Electromechanical Department, University of Skikda.
- Member of the Scientific Committee of the International Conference ICEE'2012, International Conference on Electromechanical Engineering Skikda, Algeria, 20-22 November 2012. Faculty of Technology, Electromechanical Department, University of Skikda.
- Membre du Comité Scientifique de la Conférence Internationale "International Conference on Electronics & Oil : From Theory to Applications (ICEO'11)" organisée par l'Université de Ouargla, 01-03 Mars 2011.
- Project leader entitled: "Design of a traction inverter based on Mosfet SiC technology for electric vehicles", PRFU (2022/2026), National Polytechnic School of Constantine.
- Head of the project entitled: "Towards an advanced diagnosis of faults in variable reluctance machines", CNEPRU (2018/2022), Code A01L07ES250120180001, National Polytechnic School of Constantine.
- Head of the project entitled: "Automatic classification of asynchronous machine faults, CNEPRU (2014/2017), Code J0201620130022, University of Skikda
- Head of the project entitled: "Monitoring and Prognosis Applied to Electrical Machines", code J0201620100008, CNEPRU (2011/2013), University of Skikda
- Head of the project entitled "On-line control of electrotechnical devices by expert system" University of Skikda, Code: J2101/02/02/02, Algeria.
- Head of the project entitled "Promotion and rationalization of the use of renewable energies: Photovoltaic and wind." Center for Scientific and Technical Research on Arid Regions (CRSTRA). Biskra Ref. 294/FD/CRSTRA/2001, Algeria.
- Head of the project entitled "Identification and Dissolution of Precipitates from materials obstructing the internal walls of pipes". Center for Scientific and Technical Research on Arid Regions (CRSTRA). Biskra. Ref. 021/FD/CRSTRA/2001, Algeria.
- Member of the project entitled, "Rational consumption of electrical energy" Code J2407/02/60/03, University of Skikda, Algeria.
- Member of the project entitled: "Safety of operation of electric actuators. Diagnosis and control based on signal analysis", Code J0200920080091, Electrotechnical Laboratory of Constantine, Algeria", CNEPRU (2008/2010), University of Constantine.
- Member of the project entitled "Modeling and diagnosis of asynchronous motors in transient state with saturation and space harmonics" CNEPRU J2501/02/58/06, Constantine Electrical Engineering Laboratory, University of Constantine.
- Member of the PNR project entitled "Diagnosis and operational safety of electrical drives: Analysis, control, automation", at the University of Constantine

List of Journal Publications

1. Khaled ATAMNIA , Adesselam LEBAROUD , Joel Landívar LÓPEZ, 2021, Open Loop Torque Control Based On Look-Up Tables To Analyse The Power Losses Of The Interior Permanent Magnet Synchronous Motor For Electric Vehicle Application, U.P.B. Sci. Bull., Series C, Vol. 83, Iss. 3.
2. Khaled ATAMNIA , Abdesselam LEBAROUD, Saikat Adikari, 2021, Forward-Looking Model Dedicated To The Study Of Electric Vehicle Range Considering Drive Cycles ", Scientific Bulletin of the Electrical Engineering Faculty , 21 No.1 (44).

3. Khaled ATAMNIA, Abdesselam LEBAROU, Messaoud Makhlouf , 2020, Traction Motor Selection Based On The Performance Analysis Of Pure Electric Vehicle Under Different Driving Scenarios, *Carpathian Journal of Electrical Engineering* V. 14, No 1.
4. T. Boukra1, A. Lebaroud, 2019, New trend in enhancing bearing remaining useful life prediction", *Journal of New Technology and Materials*, Volume 8, Numéro 3, Pages 20-24.
5. Ali Ouanas, Ammar Medoued, Mourad Mordjaoui, Abdesselam Lebaroud, Djamel Sayad, 2018, Fault diagnosis in yaw drive induction motor for wind turbine, *Wind Engineering*.
6. Abla Bouguerne, abdessalam lebaroud, 2016, Clustering Optimized Analytic Vibration Signal of Rolling Bearing Faults Using K- Means Algorithm», *International Journal of ChemTech Research CODEN (USA): IJCRGG*, ISSN: 0974-4290, Vol.9, No.04 pp 400- 406.
7. Bouchareb Ilhem, Bentounsi Amar and Lebaroud Abdesselam, 2014, Fault detection and diagnosis in a set "inverter-switched reluctance motor" based on pattern recognition using Kalman filter prediction, *International Journal of Applied Electromagnetics and Mechanics*, IOS Press, pp 495-502.
8. Medoued Ammar, Lebaroud Abdesselem, 2014, Classification of Induction Machine Faults using Time Frequency Representation and Particle Swarm Optimization “, *Journal of Electrical Engineering & Technology*, Vol. 9, No. 1: 170-177.
9. Boukra Tahar, Lebaroud Abdesselam, Clerc Guy, 2013, Statistical and Neural-Network Approaches for the Classification of Induction Machine Faults Using the Ambiguity Plane Representation", *IEEE Transactions on industrial electronics*, vol. 60, no. 9, pp. 4034- 4042.
10. Abla Bouguerne, Abdesselam Lebaroud, 2014, Classification of vectors forms dedicated to bearings fault detection of electrical machines based on PSO algorithm, *MECHANIKA. Journal*, Vol 20(6): 559–565.
11. Lebaroud Abdesselam, Medoued Ammar, 2013, Online computational tools dedicated to the detection of induction machine faults, ELSEVIER, *International Journal of Electrical Power & Energy Systems*, Volume 44, Issue 1, Pages 752-757 .
12. Medoued Ammar, Lebaroud Abdesselam, Sayad Djamel, 2013, Application of Hilbert transform to fault detection in electric machines", *Advances in Difference Equations*, Springer journal,
13. Bouchareb Ilhem, Bentounsi Amar and Lebaroud Abdesselam, 2013, Torque Analysis of Faulty SRM using FEA-TFR Approach", *International Journal of Computer Applications*, Published by Foundation of Computer Science, New York, 61(4), pp: 28-35.
14. Abla Bouguerne, Abdessalam lebaroud, Aziz Boukadoum, 2013, Optimization of Vibration Data Vectors by Particle Swarm optimization algorithm , *International Journal of Control, Energy and Electrical Engineering (CEEE)*. Ipco, vol 02, ISSN 2356-5608.
15. Bouchareb Ilhem, Bentounsi Amar, Lebaroud Abdesselam, 2012, A comparative study of synchronous reluctance and switched reluctance motors for high-performance fault-tolerant applications, *International Journal of Applied Electromagnetics and Mechanics*, Volume 39, pp. 793-799 .
16. Lebaroud Abdesselam, Clerc Guy, 2011, Study of Rotor Asymmetry Effects of an Induction Machine by Finite Element Method , *JEET, Journal of Electrical Engineering & Technology*, Vol. 6, No. 3, pp. 342~349.
17. Medoued Ammar, **Lebaroud Abdesselem**, Boukadoum Ahcen and Clerc Guy,2010, On-line Faults Signature Monitoring Tool for, Induction Motor Diagnosis, *Journal of Electrical Engineering & Technology* Vol. 5, No. 1, pp. 140~145.

18. **Lebaroud Abdesselam** and Clerc Guy, 2009, Accurate diagnosis of induction machine faults using optimal time–frequency representations, ELSEVIER, Engineering Applications of Artificial Intelligence N° 22 pp:825–832.
19. **Lebaroud Abdesselam** and Clerc Guy, 2008, Classification of Induction Machine Faults by Optimal Time–Frequency Representations, IEEE Transactions, Industrial Electronics, vol. 55, no. 12, pp: 4290 – 4298.
20. **Lebaroud Abdesselam** and Clerc Guy, 2008 ,Monitoring and diagnostic of induction motors stator faults. Revue A.M.S.E , Advancement of modelling and simulation techniques in entreprises, , Vol. 9, N° pp 20-28,.
21. **Lebaroud Abdesselam**, Abdelmalek Khezzar , Ammar Bentounsi , Guy Clerc, 2007, Comparison of the Induction Motors Stator Fault Monitoring Methods Based on Current Negative Symmetrical Component”, European power electronics and drives (EPE) Journal, Vol. 17,no 1,
22. **Lebaroud Abdesselam**, Bentounsi Amar, 2005, Detection improvement of the broken rotor bars of IM after supply disconnection, Journal of electrical engineering, ISSN1335-3632, vol. 56, No. 11-12, , 322-326.
23. **Lebaroud Abdesselam**, Bentounsi Amar, 2005, For an accurate diagnosis of induction motor faults under distorted supply voltage, International journal of intelligent automation and soft computing, ISSN 1079-8587, vol.11, No.4, 277-288.

List of Conference Papers

1. Ilhem Bouchareb, Abdesselam Lebaroud, 2021, Sensor Based Electromagnetic Waves For Unblocks Clogged Arteries” 20th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering ISEF2021.
2. Imene Djelamda, Ilhem Bouchareb, Abdesselam Lebaroud, 2021, Hmm-Based Automatic Evaluation Of Electromagnetic Compatibility In Electric Vehicles”, 20th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering ISEF2021.
3. Ilhem Bouchareb, Abdesselam Lebaroud, 2021, fuzzy-based pattern recognition for automatic diagnosis of magnetic hysteresis effect: application on 6/4 srm fault tolerant power converter” 20th International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering ISEF2021.
4. Lebaroud Abdesselam, 2016, optimization of feature vectors by pso dedicated to classification of induction machine faults”, conference on advances in mechanical engineering Istanbul, icame2016, 11-13 may, yildiz technical university, istanbul, turkey
5. I. Bouchareb, Lebaroud Abdesselam, 2015, Optimizing time-frequency kernels for classification of stator faults in synchronous reluctance motor International Conference On Energy Systems, (ICES2015), Istanbul, Turkey.
6. I. Bouchareb, Lebaroud Abdesselam, 2015, Design Of Kernels For Classification Of Stator Faults In Synchronous Reluctance Motor, International Electrical & Electronic Engineering and Technologies Conference, Istanbul, Turkey.

7. A. Medoued, A. Lebaroud, A. Belmeguenai, L. Bouras, D. Sayad, 2015, Diagnosis of Induction Machine Faults by Artificial Neural Networks Using Time-Frequency” 6th International Renewable Energy Congress (IREC).
8. I. Bouchareb, A. Bentounsi, and Lebaroud Abdesselam, 2015, Advance diagnosis strategy for incipient stator faults in synchronous reluctance”, Sdemped, 10th IEEE International symposium on diagnostics for electric machine, power electronics and drives, Portugal.
9. Ammar Medoued , Mourad Mordjaoui , A. Lebaroud, 2015, induction machine bearing fault diagnosis based on the axial vibration analytic signal “3^{ème} European Conference on Renewable Energy Systems, ECRES, TURKEY.
10. Medoued, A. ; Lebaroud, A. ; Belmeguenai, A. ; Boudebbouz, O. ; Sayad, D., 2014, Monitoring of the asynchronous machine faults using the signal approach, 15th Sciences and Techniques of Automatic Control and Computer Engineering (STA). Tunisia.
11. I. Bouchareb, A. Bentounsi, and Lebaroud Abdesselam, 2014, Optimum Feature Extraction and Selection for Automatic Fault Diagnosis of Reluctance Motors, IECON, Sheraton Dallas Hotel in Dallas, USA.
12. Boukra Tahar, Lebaroud Abdesselam, 2014, Identifying New Prognostic Features For Remaining Useful Life Prediction, 16th international power electronics and motion control conference and exposition (PEMC 2014), Turkey.
13. I. Bouchareb, A. Bentounsi, and Lebaroud Abdesselam, 2014, Automatic Fault Diagnosis Of Fault Tolerant Power Converter For Switched Reluctance Motor Based On Time-Frequency Technique, 16th international power electronics and motion control conference and exposition (PEMC 2014), Antalya, Turkey.
14. I. Bouchareb, A. Bentounsi, and Lebaroud Abdesselam, 2014, Classification Method for Faults Diagnosis in Reluctance Motors Using Hidden Marko Models, 23rd IEEE International Symposium on Industrial Electronics, (IEEE-ISIE), TURKEY.
15. A. Medoued, Lebaroud Abdesselam, M. Mordjaoui, D. Sayad, 2014, Induction motor fault diagnosis based on the radial vibration analytic signal, International Conference on control, engineering and information technology (CEIT’14) Tunisia.
16. A. Medoued, A. Lebaroud, O. Boudebbouz and D. Sayad, 2014, A Spectral Domain Computational Technique Dedicated to Fault Detection in Induction Machine ; International Congress in Honour of Professor Ravi P. Agarwal, Uludag University, Bursa–Turkey.
17. Lebaroud Abdesselam, 2014, Détection automatique de défaut de rupture partielle de barres rotoriques de la machine asynchrone, 2^{ème} conférence internationale de énergies renouvelables”, Tunisia.
18. Lebaroud Abdesselam, Medoued Ammar, 2014, New method dedicated to faults classification of induction machines”, International Conference on Electromechanical Engineering (ICEE’2014), Skikda, Algeria.
19. Bouguerne Abla, Lebaroud Abdesselam, 2014, K- Means Clustering Algorithm For Classification of Ball Bearing Faults ”, International Conference on Electromechanical Engineering (ICEE’2014), Skikda, Algeria.
20. Lebaroud Abdesselam, Medoued Ammar, 2014, Amélioration de la détection des défauts de la machine asynchrone, International Conference on technological advances on electrical engineering, ICTAEE 14, , université de Skikda.

21. Medoued Ammar, Lebaroud Abdesselam, 2014, Surveillance des défaut du moteur asynchrone par la fréquence instantannée, International Conference on technological advances on electrical engineering, ICTAEE 14, université de Skikda.
22. Abla Bouguerne , lebaroud abdessalam, 2014, Classification of vibration signal faults occurs in ball bearing using K-menas clustering algorithm » 2nd *International Conference on Electrical energy and system, Annaba, Algeria.*
23. Bouguerne Abla, Lebaroud Abdesselam, BOUKADOUM Aziz,2013, Optimisation of vibration data using particle swarm optimisation applied to induction machine faults, Conférence Internationale des Energies Renouvelables(CIER'13) , *Tunisie.*
24. Medoued Ammar, Lebaroud Abdesselam, Sayad Djamel, Mourad Mordjaoui, 2013, "Application of the Spectrum Phase Technique for Simulation and Monitoring of Induction Machine Faults, 2ème EMM-FM: Euro-Mediterranean Meeting on Functionalized Materials, Tunisia.
25. Bouguerne Abla, Lebaroud Abdesselam, BOUKADOUM Aziz, 2013, New Method of Data Treatment Related to Induction Machine Bearing Fault Using Axial Vibration Analytic Signal, EVER' 13, International conference and exhibition on ecologic vehicles and renewable energies Tunisia.
26. A.Medoued, Lebaroud Abdesselam, A.Laifa, D.Sayad, 2013, Feature Form Extraction and Optimization of Induction Machine Faults Using PSO Technique", 3rd International Conference on Electric Power and Energy Conversion Systems Yildiz Technical University, Istanbul, TURKEY.
27. I. Bouchareb, A. Bentounsi, and Lebaroud Abdesselam, 2013, Fault Detection and Diagnosis in a Set "Inverter-Switched Reluctance Motor" Based on Pattern Recognition Using Kalman Filter Prediction", 15th International Symposium on Applied Electromagnetics and Mechanics, ISEM 2013, Quebec, Canada.
28. Bouguerne Abla, Lebaroud Abdesselam , BOUKADOUM AZIZ, 2013, classification method of vibration data for bearing faults, Conférence Internationale sur la maintenance et la sécurité industrielle, CIMSIS'2013, Skikda, Algeria.
29. Medoued Ammar. Lebaroud Abdesselam, Sayad Djamel, 2013, Diagnostic des défauts rotoriques du moteur à induction par la technique de la phase du spectre, Conférence Internationale sur la maintenance et la sécurité industrielle, CIMSIS'2013, Skikda, Algeria.
30. Lebaroud Abdesselam, Bounama Mohamed, Medoued Ammar, Laifa Aziz, 2012, Optimisation par essaim particulaire des vecteurs formes dédiées au diagnostic des défauts, International Conference on Electromechanical Engineering (ICEE'2012), Skikda, Algeria.
31. Medoued Ammar. Lebaroud Abdesselam, Sayad Djamel, Metatla A, 2012, Detection of Induction Machine Rotor Faults Using the Spectrum Phase Technique, International Conference on Electromechanical Engineering (ICEE'2012), Skikda, Algeria.
32. Bouguerne Abla, Lebaroud Abdesselam,2012, Automatic Diagnosis of Induction Machine Faults, International Conference on Electromechanical Engineering (ICEE'2012), Skikda, Algeria.

33. Medoued Amar, Lebaroud Abdesselam, 2012, Application of Hilbert transforms to fault detection in electric machines", International conference on applied analysis and algebra, Istanbul, Turkey.
34. Bouchareb Ilhem, Bentounsi Amar, Lebaroud Abdesselam, Batoun Bachir, 2012, Three dimension Time-Frequency approach for diagnosing eccentricity faults in Switched Reluctance motor", 06th International Conference: Science of electronics, technologies of information and telecommunications "SETIT 2012", Tunisia.
35. Bouguerne Abla, Lebaroud Abdesselam, Boukadoum Aziz, " A New diagnosis Method of Induction Machine Faults Using Fuzzy K-Nearest Neighbor", 13th International conference on sciences and techniques of automatic control and computer, (STA'2012), Monastir, Tunisia, 2012.
36. Bouguerne Abla, Lebaroud Abdesselam, Boukadoum Aziz, 2012, Backpropagation algorithm for diagnosis of Induction Machine Faults, fourth international renewable energy congress, IREC, Souss, Tunisia.
37. Bouguerne Abla, Lebaroud Abdesselam, Boukadoum Aziz, 2012, Time-Frequency Representation and Neural Networks for Classification of Induction Machine Faults, EVER' 12, International conference and exhibition on ecologic vehicles and renewable energies, Monaco.
38. Soualhi Abdenour, Clerc Guy, Hubert Razik, Lebaroud Abdesselam, 2012, Fault Detection and Diagnosis of Induction Motors Based on Hidden Markov Model, International conference in electrical machines (ICEM'12), Marseille, France.
39. Bouguerne Abla, Lebaroud Abdesselam, and Ammar Medoued, 2011, Classification of Induction Machine Faults by K-nearest Neighbor", 7th International Conference on Electrical and Electronics Engineering, (ELECO), TURKEY.
40. Boukra Tahar and Lebaroud Adesselam ,2011, Neural-Network Approaches for Classification of Induction Machine Faults Using Optimal Time-Frequency Representations, 7th International Conference on Electrical and Electronics Engineering, (ELECO), 1-4 December, Bursa, TURKEY.
41. Medoued Amar, Lebaroud Abdesselam, Boukadoum Ahcen, Boukra Tahar, Clerc Guy, 2011, *Back Propagation Neural Network for Classification of Induction Machine Faults*, 8th SDEMPED, IEEE Symposium on Diagnostics for Electrical Machines, Power Electronics & Drives September 5-8, Bologna, Italy.
42. Lebaroud Abdesselam Clerc Guy and Medoued Ammar, 2011, Analysis of Inter-Turn Short Circuit in Slots by Finite Element Model, EEEIC , International Conference on Environment and Electrical Engineering, 8-11 mai, Rome,
43. Boukra Tahar, Lebaroud Abdesselam, and Clerc Guy, 2011, Neural-Network Approaches for Classification of Induction Machine Faults Using Optimal Time-Frequency" EEEIC 2011, International Conference on Environment and Electrical Engineering Rome.
44. Bouchareb Ilhem, Bentounsi Amar, Lebaroud Abdesselam, Bouchahdane Mouhamed, Rebbahi Fares, Batoun Bachir, 2011, Modeling and Detection of Eccentricity Fault in Switched Reluctance Motor, 10th International Conference on Environment and Electrical Engineering (EEEIC) 8-11 mai, Rome.
45. Bouchareb Ilhem, Bentounsi Amar, Lebaroud Abdesselam, Nouicer Abdelmadjid 2011, A Comparative Study of Synchronous Reluctance and Switched Reluctance Motors for High-

- Performance Fault-Tolerant Applications”, 15th International Symposium on Applied Electromagnetics and Mechanics ISEM 2011, Napoli, Italy.
46. Ilhem Bouchareb, Bachir Batoun, Amar Bentounsi and Abdesselam Lebaroud, 2011, *Study on Fault Tolerant Power Converter for Switched Reluctance Drive Using Coupled Circuit-FEM*», Sixth International Conference and Exhibition on Ecological Vehicles and Renewable Energies EVER'10, Monte-Carlo (Monaco).
 47. Medoued Ammar, Lebaroud Abdesselam, Djamel .Sayad, Boukadoum Ahcen and Boukra Tahar, 2011, Application de la transformée de Hilbert pour la détection des defaults dans les machines électriques "Journées nationales sur les mathématiques appliquées (JNMA'11), 29-30 novembre 2011, Skikda, Algérie.
 48. Lebaroud Abdesselam, Clerc Guy, 2010, Analysis of stator short-circuit faults for induction machine using finite element modeling, 7th IEEE international multiconference on systems, signals and devices (SSD10), Amman, Jordan.
 49. Boukra Taher, Lebaroud Abdesselam, 2010, Classification of induction machine faults”, 7th IEEE international multiconference on systems, signals and devices (SSD10), Amman, Jordan.
 50. Medoued Ammar, Lebaroud Abdesselam, Boukadoum Ahcen, 2010, Monitoring techniques of Induction Motors Faults , 3th International conference on nonlinear sciences and complexity (NSC10), Ankara, Turkey.
 51. Bouchareb Ilhem, Bentounsi Amar, Lebaroud Abdesselam and Batoun Bachir, 2010, On line diagnosis of faults on switched reluctance motor using coupled circuit-FEM”, International symposium on environment friendly energies in electrical applications", EFEEA'2010, Gherdaia, Algeria.
 52. Lebaroud Abdesselam, Clerc Guy, 2009, Study of rotor asymmetry by finite element model of the induction machine, 6th International Conference on Electrical and Electronics Engineering, (ELECO), proceeding, pp. 401-404, TURKEY.
 53. Medoued Ammar, Lebaroud Abdesselam, Boukadoum Ahcen, 2009, On-line monitoring and diagnosis of *broken rotor bar* in induction motor, 6th International Conference on Electrical and Electronics Engineering, (ELECO), Turkey.
 54. Medoued Ammar, Lebaroud Abdesselam, Boukadoum Ahcen, 2009, Surveillance et Diagnostic du Défaut de déséquilibre des Moteurs Induction » la première Conférence Maghrébine sur Maintenance et la Sécurité, outils de l'excellence industrielle (C2MSI'09) Souk Ahres, Algeria.
 55. Medoued Ammar, Lebaroud Abdesselam, Boukadoum Ahcen, 2009, Surveillance et Diagnostic en ligne de Défaut de déséquilibre statorique des Moteurs Induction » International Conference on systèmes and information processing (ICSIP'09) May 2-4, 2009, Guelma, Algérie.
 56. Lebaroud Abdesselam, Clerc Guy 2008, Diagnosis of Induction Motor Faults Using Instantaneous Frequency Signature Analysis, International conference in electrical machines (ICEM'08), Vilamoura (Algarve), Portugal.
 57. Lebaroud Abdesselam, Clerc Guy, 2008, Monitoring and diagnostic of induction motors stator faults” AMSE Modeling, Simulation & Control, Port Said / Egypt.
 58. Lebaroud Abdesselam, Clerc Guy, 2007, Diagnosis of induction machine by time frequency representation and hidden Markov modelling, Proc. IEEE SDEMPED 2007 – Symposium on

Diagnostics for Electric Machines, Power Electronics and Drives, 7-9 September, Cracow, Poland.

59. Lebaroud Abdesselam, Clerc Guy, 2007, On-line diagnosis of induction motor faults, SETIT'4, 4th International Conference: Sciences of Electronic, Technologies of Information and Telecommunications March 25-29, TUNISIA.
60. Lebaroud Abdesselam, Clerc Guy, 2006, Time-Frequency Classification Applied to Induction Machine Faults Monitoring, *IEEE IECON*, Paris.
61. Lebaroud Abdesselam, Clerc Guy, 2006, "Automatic Diagnosis of induction motor faults" 7ème journées scientifiques et techniques, Hôtel Sheraton, Oran, Algérie.
62. Lebaroud Abdesselam, Bentounsi Amar, Clerc Guy, 2005, Detailed Study of the Rotor Asymmetry Effects of Induction Machine Under Different Supply Conditions, 11th European conference of power electronics and applications (EPE'05) in Dresden, Allemagne.
63. Lebaroud Abdesselam, Bentounsi Amar, Kkhezzar Abdelmalek, Boucherma Mohamed, 2004, Effects of Broken Bar Induction Motor with Stator Asymmetry and Distorted Supply, International conference in electrical machines (ICEM'04), Cracow, Poland.
64. Khezzar A., Oumaamar M.E.K., Lebaroud Abdesselam, 2004, Novel Study of Induction Motors with Broken Bar Faults, International conference in electrical machines (ICEM'04), Cracow, Poland.
65. Khezzar A., Boucherma M., Oumaamar M.E.K., Lebaroud Abdesselam, 2004, Rotor cage Faults Analysis in Three Phase Induction Motors by Parametric and Modified Park Model ", International conference in electrical machines (ICEM'04), Cracow, Poland.
66. Lebaroud Abdesselam, Bentounsi Amar, 2004, monitoring of induction motor faults under distorted supply conditions", SETIT, International conference: sciences of electronic technologies of information and telecommunications, Tunisia.
67. Lebaroud Abdesselam, Bentounsi Amar, 2004, Monitoring of stator and rotor faults of induction motor under different supply conditions, CIGE, première Conférence internationale sur le genie électrique", Béchar, Algeria.
68. Lebaroud Abdesselam, Bentounsi Amar, 2003, NDT of faulty induction motor" 11th International symposium on applied electromagnetics, ISEM'03, 12-14 Mai, Paris, France.
69. Lebaroud Abdesselam, Bentounsi Amar, 2003, On line diagnosis of induction motor faults under different supply voltage" Sixth International Symposium on Electric and Magnetic Fields, EMF Aachen, Allemagne.
70. Lebaroud Abdesselam, Bentounsi Amar, 2002, Diagnostic en ligne des moteurs électriques associés à des convertisseurs MLI, SIPE'06, 6ème Séminaire International sur la Physique Energétique, Béchar, Algeria.
71. Lebaroud Abdesselam, Bentounsi Amar, 2002, Diagnostic en ligne des moteurs à induction associés à des sources non idéales, CGE'02, Ecole militaires polytechnique, Algeria.
72. Lebaroud Abdesselam, Bentounsi Amar, 2002, Les effets de la distorsion de la tension sur le processus de diagnostic des défauts dans les moteurs électriques" CEE'02, conference on electrical engineering, Batna, Algeria.
73. Lebaroud Abdesselam, Bentounsi Amar, 2002, Diagnostic en ligne des moteurs à induction associés à des sources non idéales" CNIE 02, conférence nationale sur l'ingénierie de l'électronique, Oran, Algeria.

74. Lebaroud Abdesselam, Bentounsi Amar, 2000, Applications des systèmes experts en maintenance et en temps réel dans le secteur des hydrocarbures", El-Aurassi, Alger , 4ème journées scientifiques et techniques, Algeria.
75. Lebaroud Abdesselam, Bentounsi Amar, 2000, signal processing and failure diagnosis of electric power station in real time" SIPE'5, 5ème Séminaire International sur la Physique Energétique, Béchar.
76. Lebaroud Abdesselam, Chetate Boukhmiss, 1997, Real-Time Intelligent Failure Diagnosis of Electromechanical Systems", Proceeding des 3ème Journées Maghrébines sur la Mécanique (JMM'97), Guelma, Algeria.
77. Lebaroud Abdesselam, Boukhmiss Chetate, 1997, Elaboration d'un Module d'Interprétation de l'Information et son Application pour l'Identification des Défaits d'un Moteur Asynchrone", International Annual Conference of the University of Batna, (IEEA'97), Algeria.
78. Lebaroud Abdesselam , Chetate Boukhmiss, 1997, Etude par Simulation Numérique du Comportement d'un Moteur Asynchrone Alimenté par Onduleur de Tension Piloté par Différentes Stratégies de Commande, Actes des 2ème Journées Scientifiques et Techniques (JST'97), INHC, Boumerdès, Algeria.
79. Chetate Boukhmis., Lebaroud Abdesselam,, Aitouche M.A., Boumedine M.S, 1996, Elaboration of an automatised system for the diagnosis of the breakdown of the electrical machines, converters and control, Proceedings of the 5th International Conference on Modelling and Simulation of Electric Machines, Converters Systems (ELECTRIMACS '96), France.
80. Chetate Boukhmis., Lebaroud Abdesselam, 1995, Elaboration d'un Système d'Acquisition de Traitement et d'Interprétation de l'Information pour le Diagnostic des Pannes", Proceedings of Mediterranean Conference on Electronics and Automatic (MCEA'95), Septembre 13 / 15, 1995 Grenoble, France.
81. Chetate Boukhmis., Lebaroud Abdesselam, 1995, Development of an automated system of forecasting and diagnosis of the anomalies, Proceedings of the second Maghreb Convention in Electrical Engineering (CMGE'95), Volume II, pp. GLI 17-GLI 20, Tunisia.
82. Lebaroud Abdesselam, Boukhmiss Chetate, 1995, Etude de l'apport d'un Système Automatisé de diagnostic des Pannes par Simulation Numérique des Régimes à Défaits d'un Moteur Asynchrone ", Proceedings of Conference on Modelling and Simulation of Electrical Systems (CMSES'95), Guelma, Algeria.

List of Current Doctoral Research Students Supervision

1. Bouraoui Naoufel
2. Ould lahoucine Yahya