

Publications Internationales

Année 2012 :

- M. BITCHIKH, R. AKSAS, H. KIMOUCHÉ, A. AZRAR, “[NEW UWB ANTENNA DESIGN FOR WIRELESS COMMUNICATIONS](#)”, Microwave and Optical Technology Letters / Vol. 54, No. 3, pp. 692-697, March 2012.
- M. CHALLAL, A. BOUTEJDAR, M. DEHMAS, A. AZRAR, A. OMAR, “[Compact Microstrip Low-Pass Filter Design with Ultra-Wide Reject Band using a Novel Quarter-Circle DGS Shape](#)”, ACES Journal- The Applied Computational Electromagnetic Society, vol. 27, n° 10, pp. 808-815, Oct. 2012.
- Abdelmadjid RECIQUI, “Sidelobe Level Reduction in Linear Array Pattern Synthesis Using Particle Swarm Optimization”. (2): 497-512 (2012).
- M. CHAFAI, H. BENTARZI, “[Reliability Assessment and Improvement of Large Power Transformer Protection System Using Predictive Analysis](#)”, International Review on Modelling and Simulation, Vol.5 N°1, February 2012.
- A. ZITOUNI, H. BENTARZI, “[A new approach for surface state modeling using charge pumping technique in submicron](#)”, Int. J. Surface Science and Engineering, Vol. 6, Nos. 1/2, pp 35- 44, 2012.
- Abdemoumene, H. BENTARZI, “[Reliability Enhancement of Power Transformer Protection System](#)”, J. Basic. Appl. Sci. Res., 2(10)10534-10539, 2012.
- Abdemoumene, H. BENTARZI, “[Study Of The Influence Of Power Fluctuation On Power Transformers](#)”, International Journal Of Industrial Engineering & Technology (Ijiet, Vol.2, Issue 2 Pp. 31-37, Sep 2012.

Année 2011 :

- A. OUADI, H. BENTARZI, J. C. MAUN, “[Phasor Measurement Unit Reliability Enhancement Using Real- Time Digital Filter](#)”, International Journal of Circuits, Systems and Signal processing, Issue 1, Volume 5, pp.1-8, (2011).
- R. BOUDERBALA, H. BENTARZI, A. OUADI, “[Digital Differential Relay Reliability Enhancement of Power Transformer](#)”, International Journal of Circuits, Systems and Signal processing, Issue 1, Volume 5, pp.263-270, (2011).
- S. BOUTORA, H. BENTARZI, A. OUADI, “[Analysis of the Disturbances in Distribution Networks using Matlab and ATP](#)”, International Journal of Energy, Issue 1, Volume 5, pp.9-16, (2011).
- Aissa KHELDOUN, Larbi REFOUFI, Djalal Eddine KHODJA, “[Analysis of a self excited Induction Generator steady state performance using a new efficient algorithm](#)”, Electr. Power Syst. Res. (2011).
- M. CHALLAL, F. LABU, M. DEHMAS, A. AZRAR, “[Comparative Study of Three Shapes of DGS Pattern and Design of Compact Microstrip Low-Pass and Band-Pass Filters](#)”, Wseas Trans. on Circuits and Systems, vol. 10, Issue 12, pp. 413- 422, December 2011.
- M. CHALLAL, A. AZRAR, “[A Good Conversion Loss and a Very High LO-to-RF Isolation of 24 GHz Single Balanced Mixer for RF front-end Receiver](#)”, Maejo International Journal of Science and Technology, vol. 5, Issue 3, pp. 350- 357, October 2011.
- M. CHALLAL, A. AZRAR, M. DEHMAS, “[Rectangular Patch Antenna Performances Improvement Employing Slotted Rectangular shaped for WLAN Applications](#)”, IJCSI- International Journal of Computer Science Issues, vol. 8, Issue 3, pp. 254- 258 , May 2011.
- BOUTEJDAR, M. CHALLAL, A. AZRAR, “[A Novel Band-Stop Filter Using Octagonal- Shaped Patterned Ground Structures along with Inter-digital and Compensated Capacitors](#)”, ACES Journal-The Applied Computational Electromagnetic Society, vol. 26, n° 4, pp. 312-318, April 2011.
- Ouarda HACHOUR, “[Neural Path planning For Mobile Robots](#)”, International Journal Of Systems Applications, Engineering & Development , Issue 3, Volume 5, Pp 367-376,2011.
- Ouarda HACHOUR, “[Route Map Generation](#)”, International Journal Of Systems Applications, Engineering & Development, Issue 3, Volume 5, pp. 412-419, 2011.
- Ouarda HACHOUR, “[Cognitive tasks behavior of Intelligent Autonomous Mobile Robots](#)”, International journal of mathematical models and methods in applied sciences, Issue 3, Volume 5, pp. 610- 619, 2011.
- Ouarda HACHOUR, “[Intelligent Autonomous Path Planning Systems](#)”, International journal of systems applications, engineering & development, Issue 3, Volume 5, pp. 377-386, 2011.
- Ouarda HACHOUR, “[World understanding and planning missions](#)”, International Journal Of Systems Applications, Engineering & Development, Issue 3, Volume 5, pp. 404-411,2011.

Année 2010 :

- A. RECIOUI, H. BENTARZI, “[Pattern nulling in linear array antennas with mutual coupling effects using Taguchi method](#)”, AMSE Journal, Trans.Modelling, Measurement and Control, Vol. 83, Issue 3, p. 78, (2010).
- A. RECIOUI, H. BENTARZI, “[Nulling Steering of Dolph-Chebychev Arrayed using Taguchi method](#)”, wseas transactions on communications, Issue 11, Volume 9, November (2010).
- M. Akroum, K. Hariche, “[Right matrix fraction description models identification using constrained PEM](#)”, J. Sci. & Eng. Vol. 37, N° 1B, pp. 69-88, June (2010).
- F. AMRANI, A. AZRAR, M. TRABELSI, R. AKSAS, “[Bandwidth Improvement of A Single Stage Distributed Amplifier](#)”, Microwave Journal, Vol. 53, N°5, pp. 112-122, (2010).
- A. RECIOUI, H. BENTARZI, “[Genetic Algorithm Based Mimo Capacity Enhancement In Spatially Correlated Channels Including Mutual Coupling](#)”, Springer, (2010).
- Ouarda HACHOUR, “[Novel Mobile Robot Path Planning Algorithm](#)”, International Journal Of Systems Applications, Engineering & Development, Issue 4, Volume 4, 2010, pp. 114-123.
- Ouarda HACHOUR, “[The Proposed Grid Based Navigation Approach](#)”, International Journal Of Systems Applications, Engineering & Development , Issue 4, Volume 4, pp. 124-133,2010.
- M. AKROUM, K. HARICHE, “[Identification Of Right Matrix Fraction Description Model Using Constrained Pem](#)”, Kuwait Journal Of Science And Engineering, N°1b, Vol. 37, June 2010,
- Ouarda HACHOUR, “[A Genetic Learning Motion Planning Of An Autonomous Mobile Robots](#)”, International Journal Of Systems Applications, Engineering & Development , Issue 4, Issue 4, Volume 4, pp. 134-144, 2010.

Année 2009 :

- O. HACHOUR, “[The proposed Fuzzy Logic navigation approach of autonomous Mobile robots in unknown environments](#)”, International Journal of Mathematical Models and Methods in Applied Sciences, Vol. 3, pp.204-218, (2009).
- A. AZRAR, “[Characterization of polarization in the spun fibers](#)”, Microwave and Optical Technology Letters, Vol. 51, N°2, pp.341-347, (2009).
- A. AZRAR, “[Application of the FCEL Method to Micro-strip Disk Antenna With a parasitic director](#)”, Microwave and Optical Technology Letters, Vol. 51, N°8, pp.1911-1918, (2009).
- M. AKROUM, K. HARICHE, “[Extending the SRIV algorithm to LMFD models](#)”, Journal of Electrical Engineering and Technology, Korean Institute of Electrical Engineering, Vol. 4, N°1, (2009).
- O. HACHOUR, “[The proposed hybrid intelligent system for path planning of Intelligent Autonomous Systems](#)”, International Journal of Mathematics and Computers In Simulation, Vol. 3, pp.133-145, (2009).
- O. HACHOUR, “[Towards an approach of fuzzy control motion for mobile robots in unknown environments](#)”, Wseas Transactions on Systems, Vol. 8, Pp.876-890, (2009).
- H. BENTARZI, R. CHENTIR, N. BELAIDI, S. DIF, N. MASTORAKIS, “[A New Approach Applied to a Thermal Power Plant Using Fuzzy Logic](#)”, Wseas Transactions On Advances In Engineering Education, Vol. 6, N°9, pp.275-284, (2009).
- M. CHAFAI, L. REFOUFI, H. BENTARZI, “[Reliability Assessment and Improvement of Medium Power Induction Motor Winding Insulation Protection System Using Predictive Analysis](#)”, in Advance in Numerical Methods, Book-Chapter Verlag-Springer, pp.367-378, (2009).

Année 2008 :

- A. RECIOUI, A. AZRAR, H. BENTARZI, M. DEHMAS, “[Synthesis of linear Arrays with Sidelobe Level Reduction Constraint Using Genetic Algorithms](#)”, International Journal of Microwave and Optical Technology, Vol. 13, N°5, (2008).
- M. AKROUM, K. HARRICHE, “[An Optimal Identification approach for LMFD Models](#)”, Studies in Informatics and Control, Vol. 17, N°4, (2008).
- H. BENTARZI, A. ZITOUNI, Y. KRIBES, “[Oxide Charge Densities Determination Using Charge Pumping Technique with BTS in MOS Structures](#)”, WSEAS Transactions on Electronics, Issue 4, Vol. 5, (2008).
- M. CHAFAI, L. REFOUFI, H. BENTARZI, “[Reliability Assessment and Improvement of Large Power Induction motor Winding Insulation Protection System Using Predictive Analysis](#)”, WSEAS Transactions on Circuits and Systems, Issue 4, Vol. 17, (2008).
- H. DAHIMENE, M. NOUREDDINE, A. AZRAR, “[A Simple Algorithm for the Restoration of Chipped Speech Signal](#)”, Informatics 32, (2008).
- M. CHAFAI, L. REFOUFI, H. BENTARZI, “[Failure Mode Effects and Criticality Analysis of A Cement Plant Rotary Kiln Drive system](#)”, Asset Management and Maintenance Journal (AMMJ), Vol 21, N°1, (2008).
- O. HACHOUR, K. HARRICHE, “[A Digital Implementation for Robot Path planning using genetic algorithms](#)”, wseas transactions on circuits and systems, 11, (2008).

Année 2007 :

- M. CHAFAI, L. REFOUFI, “Reliability Estimation and Enhancement of OLC Relay Output Unis using FMECA”, Journal of Electrical Engineering, Vol 7, (2007).
- R. ZAIMEDDINE, E. M. BERKOUK, “A novel DTC Scheme of Double- star induction motors using three – level voltage source inverter”, Journal of Engineering and Applied Sciences 2 (1), pp.136-142, (2007).
- M. CHAFAI, L. REFOUFI, H. BENTARZI, “Large Squirrel Cage Induction Motor Reliability Modelling”, Journal of Engineering and Applied Sciences, 2(5), pp. 909-914, (2007).
- A. RECIQUI, A. AZRAR, “Use of Genetic Algorithms in linear and planar Antenna array Synthesis Based on Schelkunoff Method”, Microwave and Optical technology letters, Vol 49, N°7, pp. 1619-1623, (2007).
- R. ZAIMEDDINE, BERKOUK E-M., L. REFOUFI, M. BOUSALAH, “A Scheme of EDTC control using three –level voltage source inverter for an induction Motor”, Journal of Engineering and applied Sciences, pp.2250-2255, (2007).
- R. ZAIMEDDINE, L. REFOUFI, E. M. BERKOUK, “An improved direct torque control strategy for induction motor drive”, International Journal of Electrical and Power Engineering, (1), pp. 21-27, (2007).

Année 2006 :

- L. REFOUFI, H. BENTARZI, F. Z. DEKHANDJI, “[New approach of induction motor performance study under different voltage unbalance conditions](#)”, WSEAS Transactions On Power Systems Issue 8, Vol. 1, (2006).
- R. ZAIMEDDINE, E. M. BERKOUK, “[Switching strategies in direct torque control of double- Star induction motors](#)”, WSEAS Transaction on Circuits and Systems ISSUE 2 ,Vol. 5 , (2006). Année 2005.
- L. REFOUFI, A. H. ARRAS, H. BENTARZI, “[Harmonic losses in Inverter fed Induction Motor including Skin Effect](#)”, Amse Periodicals Best of Book, pp. 119-128, (2005).

Année 2004 :

- H. BENTARZI, R. BOUDERBALA, A. ZERGUERRAS, “[Ionic current in MOS structures](#)”, Ann. Telecomm, 59, N° 3-4, pp. 471-78, (2004).

Année 2003 :

- H. BENTARZI, R. BOUDERBALA, A. ZERGUERRAS, “[Simulation of ion density distribution in the gate oxide of MOS structures](#)”, AMSE Trans. On Modelling, Measurement and Control Journal, Vol 76, N°8, (2003).

Publications Nationales :

Année 2012

- A. ABDELMOUMENE, H. BENTARZI, “[Etude du Comportement de Transformateur de Puissance lors de la Variation de la Charge](#)”, Journal of Scientific Research, 2012.

Année 2007 :

- A. ACHOUR, L. REFOUFI, Y. KRBES, “[GTO tail current prediction using an improved spice circuit model](#)”, Algerian Journal of Technology AJOT Série B, Vol. 17, N° 1, (2007).
- H. BENTARZI, A. ZERGUERRAS, Y. KRBES, “[Determination of mobile IONS in MOS structures using the charge- pumping method](#)”, Algerian Journal of Technology AJOT Série B, Vol 17, N° 1, (2007).