

## Filière de Génie Electrique

### 1- Publications :

#### a- Publications Internationales

Auteurs	Titre	Journal
MOHAMMEDI Ahmed REKIOUA Djamilia REKIOUA Toufik BACHA Seddik	<u>Valve Regulated Lead Acid battery behavior in a renewable energy system under an ideal Mediterranean climate</u>	<i>International Journal of Hydrogen Energy</i> , <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> 2016
AISSOU Riad REKIOUA Toufik REKIOUA Djamilia TOUNZI A. Mounaim	<u>Robust nonlinear predictive control of permanent magnet synchronous generator turbine using Dspace hardware</u>	<i>International Journal of HydrogenEnergy</i> , <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> 2016
AISSOU Riad REKIOUA Toufik REKIOUA Djamilia TOUNZI A. Mounaim	<u>Application of nonlinear predictive control for charging the battery using wind energy with permanent magnet synchronous generator</u>	International Journal of Hydrogen Energy September 2014, Pages <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> 2016
TAMALOUZT Salah BENYAHIA Nabil REKIOUA Toufik REKIOUA Djamilia ABDESSEMED Rachid	<u>Performances analysis of WT-DFIG with PV and fuel cell hybrid power sources system associated with hydrogen storage hybrid energy system</u>	International Journal of Hydrogen Energy <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> 2016
AZIB AHMED ZIANE DJAMEL REKIOUA Toufik TOUNZI ABDELMOUNAÏM	Robustness of the direct torque control of double star induction motor in fault condition.	Revue Roumaine des Sciences Techniques - Serie Électrotechnique et Énergétique 07/2016; 61(2). <a href="http://revue.elth.pub.ro">revue.elth.pub.ro</a> 2016
W.Issaadi, A.Khireddine	Management of a base station of a mobile network using a photovoltaic system.	Elsevier, edition, Renewable & Sustainable Energy, Ms.pp 1570-1590, Ref. No.: RSER-D-15-01759R1, 2016
H. Hamadi, A.Khireddine, and A.Tari	Cloud Access Secure with Identity Based Cryptography	selected papers, MSPN 15 conference, 15-17 june 2015, Mobile, Secure, and Programmable, Networking, journal, Springer ,2016
D.Derardja, A.Khireddine, W.Issaadi, A.hamadi	, "three phase four wires pmsg energy source generation with maximum point tracking"	Scopus-indexed "Journal of Engineering and Applied Sciences"

Tighzert Lyes Mendil Boubekeur	Realization of Gymnastic Movements on the Bar by Humanoid Robot Using a New Selfish Gene Algorithm	Modelling and implementation of complex systems, Vol.01, pp49-65, Ed. Springer, April 2016 <a href="https://www.amazon.com/Modelling-Implementation-Complex-Systems-International/dp/3319334093">https://www.amazon.com/Modelling-Implementation-Complex-Systems-International/dp/3319334093</a>
Guerroudj Cherif SAOU Rachid Boulayoune Ahcene Zaim Md El Hadi Moreau Luc	Performance analysis of Vernier slotted doubly salient permanent magnet generator for wind power	International Journal of Hydrogen Energy <a href="http://www.sciencedirect.com/science/article/pii/S0360319916311004">http://www.sciencedirect.com/science/article/pii/S0360319916311004</a> 2016
Aoudia Hakim BERRAH Smail	Optimizing parameters of an optical link by using genetic algorithms	J.Opt. commun, 2016. AOP <a href="https://www.degruyter.com/abstract/j/joc.ahead-of-print/joc-2016-0079/joc-2016-0079.xml">https://www.degruyter.com/abstract/j/joc.ahead-of-print/joc-2016-0079/joc-2016-0079.xml</a>
Kasmi Reda Mokrani Karim	Classification of malignant melanoma and benign skin lesions: implementation of automatic ABCD rule	January 2016, <a href="#">Vol.10, Issue 6</a> , pp. 448 –455 <a href="#">IET Image Processing</a> , Site : <a href="http://digitallibrary.theiet.org/content/journals/10.1049/iet-ipr.2015.0385">http://digitallibrary.theiet.org/content/journals/10.1049/iet-ipr.2015.0385</a>
Kasmi Reda, Mokrani Karim, Rader R K, Cole J G, Stoecker W V	Biologically inspired skin lesion segmentation using a geodesic active contour technique	Skin Research Technology <a href="http://onlinelibrary.wiley.com/doi/10.1111/srt.12252/">http://onlinelibrary.wiley.com/doi/10.1111/srt.12252/</a> abstract;jsessionid=CDA A41D6CB00D7A11D14 CE45DF476CED.f01t04, May 2016, Vol 22, Issue 2 pp 208–222
Kefel S. Guvenc P. LeAnder R W Kasmi Reda Stoecker W V	Adaptable Texture-Based Segmentation by Variance and Intensity for Automatic Detection of Semitranslucent and Pink Blush Areas in Basal Cell Carcinoma	Skin Research Technology, Volume 22, Issue 4, November 2016, Pages 412–422 <a href="https://www.ncbi.nlm.nih.gov/pubmed/26991418">https://www.ncbi.nlm.nih.gov/pubmed/26991418</a>

Tafinine Farid	On-line vibration monitoring of bearing faults in induction machine using Cyclic Spectral Analysis	MATEC Web EDP, Vol.83 <a href="http://www.matec-conferences.org/">http://www.matec-conferences.org/</a>
Tamalouzt Salah Idjdarene Kassa Rekioua Toufik Abdessemed Rachid	Direct torque control of wind turbine driven doubly fed induction generator	REVUE ROUMAINE DES SCIENCES TECHNIQUES Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE, Vol. 61, Issue 3, pp.244–249. (2016) <a href="http://revue.elth.pub.ro/">http://revue.elth.pub.ro/</a>
Aberbour Adel Idjdarene Kassa Boudries Zoubir	Adaptable sliding mode control for energy application	REVUE ROUMAINE DES SCIENCES TECHNIQUES Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE, Vol. 61, Issue 3, pp.258–262. (2016) <a href="http://revue.elth.pub.ro/">http://revue.elth.pub.ro/</a>
Aberbour Adel Idjdarene Kassa Tounzi Abdelmounaim	Sliding mode direct torque and rotor flux control of an isolated induction generator including magnetic saturation	REVUE ROUMAINE DES SCIENCES TECHNIQUES Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE, Vol. 61, Issue 2, pp.142–146. (2016) <a href="http://revue.elth.pub.ro/">http://revue.elth.pub.ro/</a>
Boudries Zoubir Aberbour Adel Idjdarene Kassa	Study on sliding mode virtual flux oriented control for three-phase PWM rectifiers	REVUE ROUMAINE DES SCIENCES TECHNIQUES Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE, Vol. 61, Issue 2, pp.153–158. (2016) <a href="http://revue.elth.pub.ro/">http://revue.elth.pub.ro/</a>
KHAMA R AISSANI Farida ALKAMA Rezak	Design and performance testing of an industrial scal indirect solar dryer	Journal of Engineering Science and Technology © School of Engineering, Taylor’s University, Vol. 11, N°. 9 pp 1263 – 1281, <a href="http://jestec.taylors.edu.my/Vol%2011%20issue%2009%20September%202016/11_9_4.pdf">http://jestec.taylors.edu.my/Vol%2011%20issue%2009%20September%202016/11_9_4.pdf</a>

KHAMA R AISSANI Farida ALKAMA Rezak	Convective drying of cherry tomato: study of skin effect	Journal of Engineering Science and Technology © School of Engineering, Taylor's University, Vol. 11, N°. 3 pp 443-457, <a href="http://jestec.taylors.edu.my/Vol%2011%20issue%2009%20September%202016/11_9_4.pdf">http://jestec.taylors.edu.my/Vol%2011%20issue%2009%20September%202016/11_9_4.pdf</a>
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ZEBBOUDJ Youcef HAMOU Hamou AIT SAID Hakim ZOUZOU Noureddine DASCALESCU Lucien	Dascalescu, Analysis of Electric Field and Current Density in an Electrostatic Precipitator	IEEE Transactions on Dielectrics and Electrical Insulation (2016) <a href="http://www.ieeexplore.ieee.org/">http://www.ieeexplore.ieee.org/</a>
ZEBBOUDJ Youcef NOURI Hamou ZOUZOU Noureddine DASCALESCU Lucien	Investigation of relative humidity effect on the particles velocity and collection efficiency of laboratory scale electrostatic precipitator	Process Safety and Environmental Protection, Institution of Chemical Engineers (2016) <a href="http://www.journals.elsevier.com/process-safety-and-environmental-protection">http://www.journals.elsevier.com/process-safety-and-environmental-protection</a>
ZEBBOUDJ Youcef AIT SAID Hakim LAIFAOUI Abdelkrim REBOUL Jean Michel	Measurement of Current due to Space Charge Present in PVC Sheaths after Aging under AC Sinusoidal High Voltage by the Thermal Wave Method	International Journal of Advancements in Mechanical and Aeronautical Engineering (2016) <a href="http://www.seekdl.org/journal_details.php?jourid=98">http://www.seekdl.org/journal_details.php?jourid=98</a>
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SERIR C, REKIOUA D, MEZZAI N, BACHA S	Supervisir control and optimization of multi-sources pumping system with battery storage	International Journal Of Hydrorogen Energy, 2016
AHMED , YUCEF ZEBBOUDJ ET HAKIM YALA	Simulation of Corona Discharge in DC Electrostatic Precipitator	Journal of Electrical Systems <b>11-4 (2015): 384-396</b>

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FARID TAZERART, ZAHRA MOKRANI, DJAMILA REKIOUA, TOUFIK REKIOUA	Direct torque control implementation with losses minimization of induction motor for electric vehicle applications with high operating life of the battery	International journal of hydrogen energy 40 (2015) 13827-13838.
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Himour Kamal Ghedamsi Kaci Berkouk El Madjid	Supervision and control of grid connected PV-Storage systems with the five level diode clamped inverter	Energy Conversion and Management
TAIB Nabil METIDJI Brahim REKIOUA Toufik	A Fixed Switching Frequency Direct Torque Control Strategy for Induction Motor Drives Using Indirect Matrix Converter .	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING 03/2014; 39(3):2001-2011
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MOKRANI ZAHRA REKIOUA Toufik REKIOUA Djamilia	Modeling, control and power management of hybrid photovoltaic fuel cells with battery bank supplying electric vehicle	International Journal of Hvdrogen Energy Volume 39, Issue 27, 12 September 2014, Pages15178–15187



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**a- Publications Nationales**

Auteurs	Titre	Journal

## **2- Communications**

### **a- Communications internationales**

Nom et Prénom	Intitulée de la communication	Intitulé, date et lieu de la manifestation
Ouaret Ahmed Lehouche Hocine Mendil Boubekeur	Identification and Control of a Heating System Building Based RBF Neural Networks	Proceedings of the 3 <sup>rd</sup> Interna. Conf. On Green Energy & Environ. Eng. (GEEE), April 23-25 2016 Hammamet, Tunisia,
Ouaret Ahmed Lehouche Hocine Mendil Boubekeur	Comparative study Between Two Architectures of Neural Networks Used for Identification and Control of a Building Heating System	Proceedings of the 8th Interna. Conf. on Modelling, Identification and Control (ICMIC'2016) 15-17 November 2016 Algiers, Algeria.
Gaidi A. Lehouche Hocine Belkacimi B.	Direct adaptive backstepping control of wind turbine two masses model	Accepted and to be presented in 2 <sup>nd</sup> International Conference On Electrical Sciences and Technologies Octobre 2016 Marrekech, MOROCCO.
Azni Mohamed, Boudjadja Rima	Evaluation of Scheduling Algorithms for Real Time Video Communication over LTE Cellular Networks	Sciences of Electronics, Technologies of Information and Telecommunications SETIT-2016 18-20 December 2016, Hammamet, Tunisia
Azni Mohamed	Rate Distortion Based Cross Layer Scheduling for Real Time Video Communication	International Conference on Big Data and Advanced Wireless Technologies 10-11 November 2016, Blagoevgrad, Bulgaria
Chelbi Salim	Interferometric Process For Radar Images with Half Pixel Precision	Sciences of Electronics, Technologies of Information and Telecommunications SETIT-2016 18-20 December 2016, Hammamet, Tunisia
Chelbi Salim	Features Based Image Registration using Cross Correlation and Radon Transform	Sciences of Electronics, Technologies of Information and Telecommunications SETIT-2016 18-20 December 2016, Hammamet, Tunisia
Bouzera Naima Oussalah Mourad Mezhoud Naima Khiredine Abdelkrim	Fuzzy Logic and Extended Kalman Filter For Mobile Localization in Wireless Network	International Conference of Computing for Engineering and Sciences (ICCES-2016) Barcelona, Spain 23 - 27 July 2016

Tafinine Farid	On-line vibration monitoring of bearing faults in induction machine using Cyclic Spectral Analysis	The third International Conference on Structural Nonlinear Dynamics and Diagnosis (CSNDD'2016) May 23-25, 2016, Marrakech, Morocco
Guenounou Ouahib Yahiaoui Fatah Boutaib Dahhou Chabour Ferhat	'Multi-objective optimization of fuzzy controller used as maximum power point tracker (MPPT)	3rd International Conference on Green Energy & Environmental Engineering, Hammamet-Tunisie 2016
Yahiaoui Fatah Guenounou Ouahib Lamine Brikh	Maximum Power Point Tracking Algorithm for Photovoltaic System Using a PSO Optimized Fuzzy Logic Controller	3rd International Conference on Green Energy & Environmental Engineering, Hammamet-Tunisie 2016
Brikh Lamine Guenounou Ouahib Yahiaoui Fatah	Optimization of TSK fuzzy model using a new improved PSO	3rd International Conference on Green Energy & Environmental Engineering, Hammamet-Tunisie 2016
Alkama Rezak Bouzeroura Abdelghani	Management of Electrical Energy of a multi-source System Using FPGA Card	International Conference on Renewable Energy and Bioenergy ICREB Constanta – Roumanie, 2016
ZEBBOUDJ Youcef NOURI Hamou ACHOURI Imad AISSOU Massinissa ZOUZOU Nouredine	Investigation of pressure effect of corona proprieties in wire-to-plate electrostatic precipitator	10ème conférence de la Société Française d'Electrostatique Poitiers (France) 2016
ZEBBOUDJ Youcef HAMOU Nouri AIT SAID Hakim ACHOURI Imad KACI Meziane	Modeling a Corona Discharge in Wire- Duct Electrostatic Precipitators.	10ème conférence de la Société Française d'Electrostatique Poitiers (France) 2016
ZEBBOUDJ Youcef AHMED Samir OUNNOUGHI Takfarinas MEGHERFI Sofiane	Influence de la température sur les courants d'absorption et de résorption dans un câble 18/30 kV isolé au PRC soumis au vieillissement électrique sous tension continue	10ème conférence de la Société Française d'Electrostatique Poitiers (France) 2016
ZEBBOUDJ Youcef HAMOU Nouri AIT SAID Hakim ACHOURI Imad KACI Meziane	Effect of Electrodes configuration on the corona discharge in a Electrostatic Precipitator	10ème conférence de la Société Française d'Electrostatique Poitiers (France) 2016
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ZEBBOUDJ Youcef OUNNOUGHI Takfarinas AHMED Samir MEGHERFI Sofiane	Distribution du potentiel de surface sur des films en PVC chargés par décharge couronne	10ème conférence de la Société Française d'Electrostatique Poitiers (France) 2016
MOKRANI Zahra, MEBARKI Nacereddine, REKIOUA Djamilia, REKIOUA Toufik	Performances analysis of a PEM fuel cells, electric vehicle using DTC fuzzy sliding mode control	International symposium on sustainable hydrogen (ISSH2), Alger, Algerie, Octobre 2016
Zaouche F, Rekioua D	Control and energy management of photovoltaic pumping system with battery storage	4rd international renewable and sustainable energy conference (IRSEC'16), Marrakech, Marocco
TAFININE Farid	Spectral principal components analysis for non stationary signals application to diagnosis bearings faults	International Conference on applied analysis and Mathematical Modeling ICAAMA,08-12/06/2015
Metidji Rebiha, Metidji Brahim	Matrix converter SVM control implementation on DSP/CPLD.	The 4th International Conference on Electrical Engineering. Decembre 2015, University of Boumerdes.
HACENE Nacer, MENDIL Boubekour	Dynamic Target Tracking in Crowded Dynamic Environment: A Robot Fuzzy-Based Hybrid Autonomous Navigation and Obstacle Avoidance,	Conf. Internat. Sur les telecom et les TIC, 16-17 Mai 2015, INTTIC Oran, Algérie
HACENE Nacer, MENDIL Boubekour	Track the Moving Target in Cluttered Dynamic Environment: A Robot Neural-Based Hybrid Autonomous Navigation and Obstacle Avoidance.	The 1st International Conference on Applied Automation and Industrial Diagnostics (ICAAID 2015), 29-30 March 2015, Djelfa, Algeria
HACENE Nacer, MENDIL Boubekour	Toward Safety Navigation in Cluttered Dynamic Environment: A Robot Neural-Based Hybrid Autonomous Navigation and Obstacle Avoidance with Moving Target Tracking.	3rd International Conference on Control, Engineering & Information Technology CEIT'2015. 25-27 May, 2015, Tlemcen, Algeria.
TAFININE Farid	Spectral principal components analysis for non stationary signals application to diagnosis bearings faults	International Conference on applied analysis and Mathematical Modeling ICAAMA,08-12/06/2015
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HACENE Nacer, MENDIL Boubekour	Toward Safety Navigation in Cluttered Dynamic Environment: A Robot Neural-Based Hybrid Autonomous Navigation and Obstacle Avoidance with Moving Target Tracking.	3rd International Conference on Control, Engineering & Information Technology CEIT'2015. 25-27 May, 2015, Tlemcen, Algeria.
ROUHA Nacéra BEROUAL Abderrahmane	The Heat Treatment Effect on the EPDM'S Electrical Performances	The 19th International Symposium on High Voltage Engineering, Pilsen (République Tchèque), 2015
BOUDISSA Rabah BOUGHANI Talit HAIM Klaus Dieter	Effect of Termination Inclination Angle on Insulation Strength	INMR Congress, Munich 2015, Germany, Oct. 18-21, Munich (Germany)
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BOUDISSA Rabah BOUGHANI Talit	Effet de l'inclinaison d'une isolation en silicone recouverte d'un dépôt de gouttes d'eau sur sa tension continue de contournement	Deuxième Conférence Internationale sur l'Electrotechnique, l'Electronique, l'Automatique et la Maintenance (CIEEAM 2015), Oran (Algérie)
H.Aouzellag, K. Iffouzar, K.Ghedamsi, D.Aouzellag	Adaptive fuzzy PI controller three levels dc/ac converter for hybrid vehicle	The 2 <sup>nd</sup> international conference on power electronics and their applications (ICPEA'2015), Djelfa, Algérie
Guerroudj Cherif SAOU Rachid ZAIM M. El. Hadi Boulayoune Ahcene Moreau Luc	Study of Vernier effect on the EMF of a slotted DSPM generator for wind power applications	Conférence Internationale des Energies Renouvelables (CIER'15) 21/23 décembre 2015, Sousse Tunisie



Boulayoune Ahcene SAOU Rachid ZAIM M. El. Hadi Boulayoune Ahcene Moreau Luc Guerroudj Cherif	Optimisation par Algorithme génétique et Essaim de particule d'une machine à inversion de Flux dédiée à l'éolien	Conférence Internationale des Energies Renouvelables (CIER'15) 21/23 décembre 2015, Sousse Tunisie
Yahiaoui Belkacem, Megherbi Mohammed, Tabti Belaid, Dascalescu Lucian, Rahmani Alaoua	Neutralization efficiency of the electrostatic charges on the surface of the fibrous media by the dual electrode system and the triode system	The 19 <sup>th</sup> International Symposium on High Voltage, Pilsen, Republic Tcheque, 2015
Bendahmane Boukhalfa Onischenko Oleg	Commande de l'actionneur électrique du compresseur à piston d'une installation frigorifique	24-25 Novembre 2015, Oran
N. Mezhoud, N. Bouzera, A. Khireddine	UMTS Network Planning using Metaheuristic Optimization Techniques	International Conference (ICIPCS 2015), Istanbul, Turkey, June 3-4, 2015.
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BERRAH Smail HADJAB Moufdi	Density functional approach to study structural and electronic properties of III-SB semiconductors by modified Becke-Johnson potential	NCENT'2015, M'sila , Algerie, May 19-20/2015
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NADJI Hanane BERRAH Smail	Simulation of In <sub>0.2</sub> Ga <sub>0.8</sub> N solar cell and evaluation of its performances	NCENT'2015, M'sila , Algerie, May 19-20/2015
NADJI Hanane BERRAH Smail	Theoretical study of the InGaN solar cell	ANSOLE 2015, Bordj bou arreridj, Algerie, May 4-5/2015.
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TAZERART Farid TAIB Nabil REKIOUA Toufik REKIOUA Djamilia TOUNZI Abdelmounaim	Direct Torque Control Optimization with Loss Minimization of Induction Motor	Première Conférence Internationale en Sciences et Technologies Electriques au Maghreb CISTEM 2014 03 au 06 nov 2014 Tunis, Tunisie
Chekkal Samira Aouzellag Née Lahaçani Narimen Aouzellag Djamel Ghedamsi Kaci	Participation au réglage de la tension d’une éolienne connectée au réseau de distribution	International Conference of Modeling and Simulation (ICMS’2014) 21-23 sept 2014 Blida
MEBARKI Youcef RACHEK Said	Improvement of mechanical properties of composites materials (carbon fibers/epoxy resin) by the addition of metallic particles at interfaces 0°/90°	3 <sup>rd</sup> International conference on Composite Materials and Structures, 02-03 December 2014 Université d’Oran Algérie
TABTI Belaid YAHIAOUI Belkacem BENDAHMANE Boukhalfa DASCALESCU Lucian	Neutralisation des charges électriques négatives d’un diélectrique fibreux par décharge couronne alternative générée dans la configuration Triode	9ème conférence de la Société Française d’Electrostatique 27-29 Août 2014 Toulouse, France
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DIB Riad MOKRANI Karim	EPGVF active contour for image segmentation	International Congress on telecommunication and applications, ICTA’14, Bejaia, Algérie, 23-24 avril 2014 Univ Béjaia

MEKHMOUKH Abdenour MOKRANI Karim NASRI Nadjib	Segmentation d'images IRM par PFCM avec initialisation PSO	International Congress on telecommunication and applications, ICTA'14, Bejaia, Algérie, 23-24 avril 2014 Univ Béjaia
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BENZENATI rahima KHIREDDINE Abdelkrim	Fusion d'images satellitaires par la méthode des Curvelettes	International Congress on telecommunication and applications, ICTA'14, Bejaia, Algérie, 23-24 avril 2014 Univ Béjaia
SERIR Chafia REKIOUA Djamila	Commande vectorielle de moteur à induction du système de pompage photovoltaïque optimisé par le contrôleur flou	Conférence ICEE2014, Annaba 21-23 Oct 2014 Annaba
BENSMAIL Samia REKIOUA Djamila	Optimisation d'un système de pompage photovoltaïque en utilisant la commande vectorielle basée sur la logique flou adaptative	Conférence ICEE2014, Annaba 21-23 Oct 2014 Annaba
AISSOU Said REKIOUA Djamila REKIOUA Toufik	Application de différentes techniques MPPT à un système photovoltaïque	Conférence ICE2014, Skikda 10-11 Nov 2014 Skikda
MEZZAI Nabil REKIOUA Djamila REKIOUA Toufik	power optimization and control of wind energy conversion system based on PMSG	Conférence ICE2014, Skikda 10-11 Nov 2014 Skikda
MOHAMMEDI Ahmed REKIOUA Djamila REKIOUA Toufik	Impact of shadow on the performance of a PV pumping system	Conférence ICE2014, Skikda 10-11 Nov 2014 Skikda
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AZNI Mohamed BOUDJADJA Rima ZENNIR Mohamed Nadjib	A Cross Layer Scheme for H.264/AVC Video Transmission over Wireless channel	International Conference on Networks & Wireless Technology and Applications 22-24 mars2014 Hammamet, Tunisie
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Fatma Bouchelga Rabah Boudissa	Etude du développement des décharges électriques parallèles sur une surface isolante large et polluée sous tension continue	9 <sup>ème</sup> congrès de la Société Française d'Electrostatique 27-29 Août 2014, Toulouse (France)
Talit Boughani Rabah Boudissa K.D. Haim	Etude comparative de la performance d'un système pointe-pointe protégé par une ou plusieurs barrières sous atmosphère quelconque et tension alternative	9 <sup>ème</sup> congrès de la Société Française d'Electrostatique 27-29 Août 2014, Toulouse (France)
Samia Atmani Rabah Boudissa K.D. Haim	Effet de l'angle d'inclinaison sur le contournement d'une surface isolante hydrophobe recouverte de gouttes d'eau sous tensions DC et AC	9 <sup>ème</sup> congrès de la Société Française d'Electrostatique 27-29 Août 2014, Toulouse (France)

Samira Merabet Rabah Boudissa K.D. Haim	Etude comparative de la performance des barrières isolantes en silicone et en verre sous atmosphère quelconque et tension continue	9 <sup>ème</sup> congrès de la Société Française d'Electrostatique 27-29 Août 2014, Toulouse (France)
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Nacéra Rouha Kaissa Djenkel Khallil Kettir	Characterization of the electrically degraded silicone, International Conference on Electro-Energy	ICEE'2014 09-11 Novembre 2014 Skikda (Algérie).
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Bouzidi Athmane Maouche Bachir Feliachi Mouloud	Pulsed eddy current non-destructive evaluation of groove dimensions by inversion with Simplex method associated with coupled electric circuits method	Conference on Electromagnetic computation (CEFC) 25-28 May 2014 Annecy, France
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R. Boudissa, A. Bayadi, R. Bärsch	Contribution à l'Etude de l'Effet de la Catégorie et du Mode de Distribution de Pollution sur la Performance des Isolateurs sous Tension Alternative.	8 <sup>ème</sup> Conférence de la Société Française d'Electrostatique, Cherbourg-Octeville 2012, France.
S. Iouknane, R. Boudissa, S. Merabet	Etat de surface et d'isolement d'un écran hydrophile sur la performance d'un système à champ non uniforme sous tension continue positive.	2 <sup>ème</sup> Conférence Internationale sur la maintenance, la gestion, la logistique et l'Electrotechnique, Oran 2012, Algérie.
S. Slimani, R. Boudissa, S. Merabet	Effet du nombre d'écrans et l'état de leur surface sur la tenue électrique d'un système à champ non uniforme sous tension continue positive.	2 <sup>ème</sup> Conférence Internationale sur la maintenance, la gestion, la logistique et l'Electrotechnique, Oran 2012, Algérie.
F. Bouchelga, R. Boudissa	Contournement d'une surface isolante polluée sous tension continue positive.	2 <sup>ème</sup> Conférence Internationale sur la maintenance, la gestion, la logistique et l'Electrotechnique, Oran 2012, Algérie.
H. Amimeur, R. Abdessemed, D.Aouzellag & K.Ghedamsi,	A Sliding Mode Control for Dual-Stator Induction Motor Drives Fed by Matrix Converters .	International conference EVER, MONACO , 2011.
S.Chekkal, D.Aouzellag, K.Ghedamsi, H.Amimeur,	« New control strategy of wind generator based on the dual-star induction generator»	in 10th International conference on environment and electrical engineering, IEEEIC' 2011, pp.268-271, May 2011, Rome, Italy, 978-1-4244-8781-3/11, 2011 IEEE
B Tabti, A Antoniu, M Plopeanu, B. Yahiaoui, B. Bendahmane and L Dascalescu,	«Implementation and interpretation of surface potential decay measurements on corona-charged non-woven fabrics »	13th International Conference on Electrostatics 10-14 April 2011, Bangor, Wales, UK.
R. Boudissa, N. Harid, R. Baersch	Optimisation of the dielectric strength of a non-uniform air gap under AC voltage by insertion of multiple barriers	17 <sup>th</sup> International Symposium on High Voltage Engineering Hannover August 2011, Germany

R. Boudissa, N. Harid, R. Baersch	Influence of the surface condition and isolation of an insulating screen on the performance of non-uniform field electrode system under AC voltage	17 <sup>th</sup> International Symposium on High Voltage Engineering Hannover August 2011, Germany
F. Aouabed, A. Bayadhi, S. Satta, R. Boudissa	Développer un circuit de l'isolateur synthétique sous pollution en utilisant l'EMTP.	Second International conference on Systems and Information Processing (ICSIP'11), Guelma 2011, Algérie
H. Lehouche, S. Ladjouzi B. Mendil and H.	"Identification and Control using Neural Networks for Heating Regulation in Building Zone"	Guéguenaccepted and presented in the Second International Conference on Systems and Information Processing, May 2011, ICSIP'11.
SELLAOUI A., CHERRARED M., ZEKIOUK T.	Evaluation de la durabilité environnementale du système d'assainissement de la ville de Jijel – Est Algérien »	le 4 <sup>ème</sup> Colloque International sur les Ressources en Eau et le Développement Durable « CIREDD'4 » ; les 22 et 23 Février 2011 à Alger.
HAMCHAOUI S., BENZERRA A., ZEKIOUK T.	« Un outil informatique pour l'évaluation de la durabilité d'un système d'assainissement algérien »	Séminaire International sur les Ressources en eau au Sahara ; les 29 et 30 Janvier 2011 à Ouargla.
O.GUENOUNOU, A. BELMEHDI, B. DAHOU, N. BELKHERCHI	Design of fuzzy controller using genetic algorithms with new mutation operator	International Multi Conference on Systems, Signals& Devices (SSD'11), Sousse (Tunisie), 22-25 Mars 2011
O.GUENOUNOU, A. BELMEHDI, B. DAHOU, N. BELKHERCHI	Intelligent design of fuzzy logic controller using NSGA6II'	International conference on intelligent systems Design and applications (ISDS 2011), Cordoba (Espagne), 22-24 Novembre 2011
BOUDJELABA. K, CHOKOUNE.D, RO S. F	Adaptive genetic Algorithm for the Synthesis of 2-D FIR Filters,	IEEE Workshop on Statistical Signal Processing ( SSP2011), 28-30 June, 2011
BOUDJELABA. K, ROS. F, CHOKOUNE.D	Adaptive genetic Algorithm for the Synthesis of 2-D FIR Filters	IEEE Pacific Rim conference on communications, computers and signal processing (pacRim2011) August 23-29, 2011, Canada
A. Mekhmoukh, K Mokrani, N Nasri,	Algorithme FCM modifié pour la Segmentation d'images bruitées"	CMT'2010, 18-10 Mars 2010, Casablanca, Maroc.
R Dib, A Mekhmoukh, K Mokrani,	Contours actifs implicites pour la segmentation d'images médicales	ICIEM, Batna, 9-10 Mai 2010

R. Metidji and B. Mendil	« Synthèse de PSS en utilisant la logique floue, »	2 <sup>èmes</sup> Journées Internationales d'Electrotechnique, de maintenance et de Compatibilité Electromagnétique JIEMCEM 2010-ENSET ORAN-ALGERIE 25, 26 Mai 2010
A.MEDJDOUB, A. BOUBAKEUR, T. LEBEY,	broad band dielectric Investigation of cross-linked Polyethylene use as electrical Insulation on Underground power Cables.	CEIDP 2010, West Lafayette, Indiana, USA, October 17-21, 2010
Mohand ARKOUB, Mohamed ISSAAD, R. Alkama, B.	Solar Power Satellite	Workshop international INWOP 28 février – 2 mars 2010 C.U. El Oued
Mohand Arkoub .	Production de l'électricité à partir de l'énergie solaire : technologies actuelles et futuristes	6 <sup>o</sup> conférence internationale CEE 11/13 octobre 2010- Université de Batna
R. Alkama, M. Arkoub,	Solar House And Weather Factors In Bejaia City, Algeria	Inter. Conf. On Renewable Energy (ICRE), Damas, Syrie, 5 au 8 Avril 2010. Merci
F. Aouabed, A. Bayadhi, S. Satta, R. Boudissa	Conductivity Effect on the flashover voltage of polluted polymeric insulator under AC voltage.	45th International Universities Power Engineering Conference 31st Aug-3rd Sept 2010, Cardiff Wales (UK).
Ammar HAMEL , Hassane MOHELLEBI , Mouloud FELIACHI	Imperialist Competitive Algorithm Applied to Eddy Currents Nondestructive Evaluation	the 15 <sup>th</sup> international workshop on electromagnetic nondestructive evaluation, 13 – 16 june 2010, szczecin, Poland
D. REKIOUA, T. REKIOUA, K. IDJDARENE, AND A. TOUNZI	Control of a wind energy conversion system associated to a flywheel energy storage system	ICRE10, April 2010-DAMAS Syria
B. METDJI, N. TAIB and T. REKIOUA	DSPIC Implementation of Matrix converter SVM Control algorithm using Virtual System Modeling	ICEE 10 Batna, October 2010
D. ZIANE, T. REKIOUA and A. CHARIKH	Etude et conception de la commande direct du couple pour une machine asynchrone double étoile	ICEEA10-Bejaia, November 2010
A. AZZIB, T. REKIOUA	Modeling and simulation of direct torque control of double star induction machine in degraded mode	ICEEA10-Bejaia, November2010

K. OUARI T REKIOUA M OUHROUCHE	A non lineaire predictive controller for wind energy conversion system	» IREC 2010 November , Sousse Tunis
M. AISSOU,H. NOURI, A. LAIFAOUI and Y. ZEBBOUDJ	Modélisation de la décharge couronne bipolaire	7 <sup>ème</sup> Conférence of the French Society of Electrostatics SFE 2010, Montpellier (France) 30/08/2010 – 01/09/2010
F. BENNAI and Y. ZEBBOUDJ	Influence d'une grille métallique sur la distribution de la densité de courant au plan lors de la décharge couronne positive en géométrie fil-plan	7 <sup>ème</sup> Conférence of the French Society of Electrostatics SFE 2010, Montpellier (France) 30/08/2010 – 01/09/2010.
H. NOURI, N. ZOUZOU, E. MOREAU, L. DASCALESCU and Y. ZEBBOUDJ	Effect of relative humidity on the electrical behaviour of an electrostatic precipitator	7 <sup>ème</sup> Conférence of the French Society of Electrostatics SFE 2010, Montpellier (France) 30/08/2010 – 01/09/2010
B. YAHYAOUI, M. MEGHERBI, Y. ZEBBOUDJ and B. TABTI	Positive corona discharge characterization in the paraxial wire-cylinder geometry that is based on FEM	7 <sup>ème</sup> Conférence of the French Society of Electrostatics SFE 2010, Montpellier (France) 30/08/2010 – 01/09/2010.
Berrah Smail	Modélisation des caractéristiques statiques d'un transistor à grille isolée de haute permittivité diélectrique (high-k)	du 04 au 07 Novembre 2010 à Mahdia
Sellami Mohammed	Characterization and modeling of dual stage quadruple pass configurations	du 04 au 07 Novembre 2010 à Mahdia
M.Sellami, S.Berrah	CHARACTERIZATION AND MODELING OF HIGH GAIN QUADRUPLE PASS AMPLIFICATION.	Seventh International Conference on Material Sciences (CSM7), Beirut–Lebanon, 20-22 May 2010 LEBANESE UNIVERSITY Faculty of Sciences - Laboratory of Materials, Catalysis, Environment and Analytical Methods Faculty of Agricultural Engineering and Veterinary Medicine Dekwaneh, Beirut, Lebanon / Phone: +961 1 495 786, Mobile: +961 3 96 88 50 E.mail : tayssir.hamieh@ul.edu.lb
A.Khireddine	technology using as economical tools for shipping	international workshop on shipping 2-3 february 2010, ISM Marin school, Tipaza, Algeria



A.FAID, V.CASELLES , Y.SMARA , K.OURTIRANE and ABDELKRIM KHIRDIN	Monitoring South Algerian aerosol over land and sea using METOSAT images	First International Congress on GIS Université Hassan II, Casablanca, Maroc and Land Managment du 20 au 21 mai 2010 Casablanca, Maroc
Saou, R., Alitouche, K., and Zaïm, M. E.	Modelling and Steady State Performance Evaluation of a Low Speed Flux Reversal Machine Based on FEA	International Conference on ELECTRICAL ENGINEERING ELECTRONICS and AUTOMATICS" (ICEEA'10), Béjaia, Algérie, 2–3 Novembre 2010.
Azzi Abdelmalek, Youcef Ait-amirat, M.S.Boucherit	RST control applied to asynchronous actuator	International Conference on ELECTRICAL ENGINEERING ELECTRONICS and AUTOMATICS (ICEEA'10), Béjaia, Algérie, 2–3 Novembre 2010
O. Guenounou, A. Belmehdi et B. Dahhou ,	Modélisation neuronale avec une structure minimale,	sixième conférence internationale francophone d'automatique (CIFA), Nancy, France, 2-4 juin 2010, article dans le CD de la conférence.
Z. Benkhellat & M. Guerti, Third	Optimization by genetic algorithms dissimilarity between the voice signals in speech recognition systems,	International Conference: E-Medical Systems, MOROCCO, May 12-14, 2010.
Z. Benkhellat & M. Guerti,	Optimization in Speech Recognition System	EURO XXIV conference
M.BOUTEBEL	Optimal multi-objective location of dynamic voltage regulator in a radial distribution network using hybrid differential evolution paradigm	6 <sup>th</sup> international conference on electrical engineering 11-13 October 2010

**b- Communications nationales :**

Nom et Prénom	Intitulée de la communication	Intitulé, date et lieu de la manifestation
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ZEBBOUDJ Youcef NOURI Hamou ACHOURI Imad AIT SAID Hakim AISSOU Massinissa	Modeling and simulation of corona discharge characteristics on the electrostatic precipitators.	CNHT 10, Alger (2016)
A. Mekhmoukh, K. Mokrani	Kernel Fuzzy C-Means using Particle Swarm Initialization (PSO) for MR brain image segmentation	The First National Conference on Electronics and New Technologies (NCENT'2015) May 19-20, M'Sila, Algeria.
K. Mokrani, R.Kasmi, M.Arour	Technique d'élimination de poils pour les images dermoscopiques	The First National Conference on Electronics and New Technologies (NCENT'2015) May 19-20, M'Sila, Algeria.
D. KSOURI, H. KHIREDINE, A. AKSAS et F. BIR	Elaboration et caractérisation d'un bioverre prothétique 63S par la méthode sol-gel	5 <sup>ème</sup> journées de chimie l'EMP les 26 et 27 Mars 2013
F. Bouchelga, R. Boudissa	Effet de la polarité sur l'évolution des décharges parallèles sur une large surface polluée sous tension continue,	9 <sup>ème</sup> conférence nationale sur la haute tension, Laghouat du 09 au 11 Avril 2013, Algérie
F. Bouchelga, R. Boudissa	Performance électrique d'une surface isolante large polluée sous tension continue,	1 <sup>er</sup> Workshop sur la Pollution les isolateurs des réseaux électriques (1 <sup>er</sup> POLIREL'13), Oran le 29 Avril 2013, Algérie
R. Boudissa	Utilité des cartes de pollution et de foudre de l'Algérie pour une protection fiable de son réseau électrique,	1 <sup>er</sup> Workshop sur la Pollution les isolateurs des réseaux électriques (1 <sup>er</sup> POLIREL'13), Oran le 29 Avril 2013, Algérie
R. Boudissa, A. Bayadi, R. Bärsch	Performance des écrans hydrophobes et hydrophiles sous tension alternative	9 <sup>ème</sup> conférence nationale sur la haute tension, Laghouat du 09 au 11 Avril 2013, Algérie
F. Aouabed, A. Bayadi, R. Boudissa	Performance of a hydrophobic silicone insulating surface covered by water droplets under AC voltage,	1 <sup>er</sup> Workshop sur la Pollution les isolateurs des réseaux électriques (1 <sup>er</sup> POLIREL'13), Oran le 29 Avril 2013, Algérie
N. Rouha, T. Sekour	Caractérisation physico-chimique du polyéthylène dégradé électriquement,	9 <sup>ème</sup> conférence nationale sur la haute tension, Laghouat du 09 au 11 Avril 2013, Algérie
R Dib, K.Mokrani, A. Mekhmoukh,	“ Contours actifs géodésiques, application en imagerie médicale”,	JS/RCLS'12, Oran,

S. Mouhoubi, A. Boubakeur, R. Boudissa	Influence d'un écran isolant sur la rigidité diélectrique et le champ électrique d'un intervalle d'air pointe-plan sous tension alternative	8 <sup>ème</sup> conférence nationale sur la haute tension (CNHT'2011), Tiaret 2011, Algérie
R. Boudissa, N. Harid, R. Baersch	Etude de l'évolution de la performance d'un système à écrans sous tension alternative dans une atmosphère propre et/ou polluée.	8 <sup>ème</sup> conférence nationale sur la haute tension (CNHT'2011), Tiaret 2011, Algérie
S. Sahli, R. Boudissa, M. Mekhaldi, H. Djoudi	Leakage and Flashover currents forecast of non uniform polluted insulators under DC voltage.	8 <sup>ème</sup> conférence nationale sur la haute tension (CNHT'2011), Tiaret 2011, Algérie
R. Dib, A. Mekhmoukh, K Mokrani	"Modèle de Chan et Vese avec terme de lissage : application en imagerie médicale".	, ICEO'11, 01-02 Mars 2011, Ouargla
A. Mekhmoukh, N Nasri	"Algorithme FCM modifié pour la segmentation d'images bruitées"	ICEO'11, 01-02 Mars 2011, Ouargla
W. Tahi, K. Mokrani	"Séparation d'un mélange linéaire instantané".	ICEO'11, 01-02 Mars 2011, Ouargla
R Kasmi, K. Mokrani	"Évaluation de l'asymétrie de couleur des lésions mélanocyte"	ICEO'11, 01-02 Mars 2011, Ouargla
K.Khettab.*, F.Bourahala, Y.Bensafia and K.Benmahammed.	« Stability and Adaptive Control for a class of Perturbed Nonlinear Systems: Backstepping approach using Observer »,	. SOFA, Université de 20 Août de Skikda, 18-19 Mai 2010
S. Zerguini, B. Maouche, A. Amira, M. Latreche.	« Modélisation du CND-CF. Application à un dispositif de capteur à fonction séparées »	Conférence CEE 2010, Batna, le 12 et le 13 Octobre 2010
R Kasmi, K Mokrani,	Automatic approach to classify melanocytic nevi and melanoma	ICEEA'10, 01-03 Nov 2010, Bejaia.
A. Alliche, A. Mekhmoukh, R Kasmi, K Mokrani,	EEG signal classification using time/scale approach	ICEEA'10, 01-03 Nov 2010, Bejaia
N Nasri, K Mokrani,	Segmentation d'images IRM par les FCM et considération des caractéristiques statistiques du voisinage	ICEEA'10, 01-03 Nov 2010, Bejaia
F.Tazerart , T. Rekioua and M. Adli	Fuzzy Logic Control for a Speed Control of Induction Motor Fed by a Nine Switch Matrix Converter	ICEEA'10 University of Bejaia

R. Metidji and B. Mendil	“Fuzzy power system stabilizer control of DFIG for wind energy conversion systems,”	ICEEA’10 Université de Bejaia, november 2-3 2010, Algeria
F. Achouri, A. Y. Achour et B. Mendil	“Passivity based control of wind turbine,”	ICEEA’10 Université de Bejaia, november 2-3 2010, Algeria.
L. Slimanou, H. Aït Said, R. Boudissa,	Etude de l’effet de l’épaisseur d’un écran propre et/ou pollué sur la tenue électrique d’un système à champ non uniforme sous tension alternative.	2 <sup>ème</sup> Journées internationales d’Electrotechnique de maintenance et de compatibilité électromagnétique JIEMCEM 2010, Oran, Algérie.
H. Madi, R. Boudissa, T. Belhoul	Effet du mode de distribution de pollution sur la performance d’une barrière isolante contaminée sous tension alternative.	2 <sup>ème</sup> Journée internationale d’Electrotechnique de maintenance et de compatibilité électromagnétique JIEMCEM 2010, Oran, Algérie.
T. Belhoul, R. Boudissa, H. Madi	Influence du nombre d’écrans pollués sur l’amorçage d’un espace d’air à champ non uniforme sous tension alternative.	2 <sup>ème</sup> Journée internationale d’Electrotechnique de maintenance et de compatibilité électromagnétique JIEMCEM 2010, Oran, Algérie.
F. Aouabed, A. Bayadhi, S. Satta, R. Boudissa	Etude de la distribution de la tension et du champ électrique à la surface d’un isolateur par la méthode des éléments finis.	2 <sup>ème</sup> Journée internationale d’Electrotechnique de maintenance et de compatibilité électromagnétique JIEMCEM 2010, Oran, Algérie.
S. Satta, A. Bayadhi, F. Aouabed, R. Boudissa	Distribution de la tension et du champ électrique le long de l’isolateur en porcelaine sous condition de pollution.	2 <sup>ème</sup> Journée internationale d’Electrotechnique de maintenance et de compatibilité électromagnétique JIEMCEM 2010, Oran, Algérie.
. Boudries, D. Rekioua	“Study on decoupling direct power control of a PWM rectifier without line voltage sensors”	ICEEA’10 Université de Bejaia, november 2-3 2010, Algeria.
A. Azzi	“Commande RST sans capteur appliqué à un actionneur asynchrone,”	ICEEA’10 Université de Bejaia, November 2-3 2010, Algeria.

D. REKIOUA, T. REKIOUA, K. IDJDARENE, AND A. TOUNZI	Control of a wind energy conversion system associated to a flywheel energy storage system	ICRE10, April 2010-DAMAS Syria
B. METDJI, N. TAIB and T. REKIOUA	DSPIC Implementation of Matrix converter SVM Control algorithm using Virtual System Modeling	ICEE 10 Batna, October 2010
D. ZIANE, T. REKIOUA and A. CHARIKH	Etude et conception de la commande direct du couple pour une machine asynchrone double étoile	ICEEA10-Bejaia, November 2010
A. AZZIB, T. REKIOUA	Modeling and simulation of direct torque control of double star induction machine in degraded mode	ICEEA10-Bejaia, November2010
S. ALLOUNE, T. REKIOUA	Direct Torque Control (DTC) in Poly-Phase Machines: Switching Strategies Applied for a Five-Phases Asynchronous Moto	ICEEA10-Bejaia, November 2010
F.TAZERART, T. REKIOUA, M. ADLI, A.BETKA	Fuzzy Logic Control for a Speed Control of Induction Motor Fed by a Nine Switch Matrix Converter	ICEEA10-Bejaia, November 2010
SALAH TAMALOUZT, TOUFIK REKIOUA, RACHID ABDESSAMED	A Novel Power Sliding Mode Control of DFIG Used in Wind Power Generation Fed by Matrix Converter	ICEEA10-Bejaia, November 2010
A. CHARIKH, T REKIOUA K BENMAHAMED D ROYE	Proposal of a new method of the PWM training system for experiment of VSI applications	ICEEA10-Bejaia, November 2010