



**Production scientifique
2012-2015
Laboratoire de physique de l'atmosphère, matériaux et modélisation**

*** Projets internationaux financés**

ID	Intitulé	Responsable	Année
259	Préparation et caractérisation de couches minces de semiconducteur à bande intermédiaire ZnTe :O en vue de réaliser une cellule solaire de troisième génération	ELMANOUNI Ahmed	2012
261	Actualización de las capacidades docentes e tecnológicas en el campo de las energías renovables y fortalecimiento de la investigación en células solares fotovoltaicas de tercera generación	ELMANOUNI Ahmed	2012

***Projets nationaux financés**

ID	Intitulé	Responsable	Année
229	e-doaur à Béni M'Ghit Commune Béni Yekhlaf, Mohammedia	KHEDDIOUI Elm'kadem	2015
230	Analyse des contaminants émergents et élaboration de procédé hybride de dépollution		2013
260	Préparation et caractérisation de couches minces de semiconducteur à bande intermédiaire ZnTe :O en vue de réaliser une cellule solaire de troisième génération	ELMANOUNI Ahmed	2012

*Publications indexées

ID	Intitulé	Année	Journal	Auteurs
10960	numerical study of the influence of ZnTe thickness on CdS/ZnTe solar cell performance	2015	EPJ-AP	. SKHOUNI, A. EL MANOUNI, B. MARI and U. HANIF
10962	A numerical simulation study of ZnTe-based solar cells	2014	IEEE, ISBN 978-1-4799-7336-1	U. HANIF, B. MARI, O. SKHOUNI and A. EL MANOUNI
10963	ZnTe thin films grown by electrodeposition technique on Fluorine Tin Oxide substrates	2014	Thin Solid Films, Volume 564, P. 195-200	O. SKHOUNI, A. EL MANOUNI, M. MOLLAR, R. SCHREBLER and B. MARI
10966	Parameter identification of solar cell model using Levenberg-Marquardt algorithm combined with Simulated Annealing	2014	Solar Energy, 110, 781-788, (ELSEVIER) ISBN: 0038-092X	. DKHICHI, B. OUKARFI, A. FAKKAR, N. BELBOUNAGUIA
10970	Elaboration d'un identificateur de creux de tension pour contrôler une	2015	Journal International de technologie, de l'innovation, de la physique, de	.BOUJOURDI, E. KHEDDIOUI, N. RABBAH, N. BELBOUNAGUIA, N.

ID	Intitulé	Année	Journal	Auteurs
	génératrice éolienne connectée à un réseau électrique perturbé		l'énergie et de l'enviro	MACHKOUR
10971	Voltage Dip Characterization in Order to Study Wind Turbine Connected to Disrupted Network	2015	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 21, pp 42357	B. BOUJOURDI, N. MACHKOUR, N. RABBAH, N. BELBOUNAGUIA, M. ZEGRARI et Elm. KHEDDIOUI
10973	Adaptive Nonlinear Control Of Wind Energy Conversion System Involving Induction Generator	2015	Asian Journal of Control, 17(4) : 1365-1376	Lajouad, R., El Magri, A., El Fadili, A., Chaoui, F.-Z. and Giri, F
10974	Reference Voltage Optimizer for Maximum Power Point Tracking in Triphase Grid-Connected Photovoltaic Systems	2014	International Journal of Electrical Power and Energy Systems, 60: 293-301	El Fadili, A., Giri, F. and El Magri, A
10975	Adaptive control strategy with flux refernece optimization for sensorless induction motors	2014	Control Engineering Practice, 26(2): 91-106	El Fadili, A., Giri, F., El Magri, A., Lajouad, R., and Chaoui, F.Z
10977	Sensorless induction machine observation with nonlinear magnetic characteristic	2013	, Int. J. Adapt. Control Signal Process, doi: 10.1002/acs.2398	El Fadili, A., Giri, F., El Magri, A. and Besançon, G
10978	Reference Voltage Optimizer for Maximum Power Tracking in Single-Phase Grid-Connected Photovoltaic Systems	2013	Journal of Control and Systems Engineering, 1(2): 57-66	El Fadili, A., Giri, F. and El Magri, A.
10980	Sensorless Adaptive Output Feedback Control of Wind Energy Systems with PMS Generators	2013	Control Engineering Practice, 21(4): 530-543	EL Magri, A., Giri, F., Besançon, G., El Fadili, A., Dugard, L. and Chaoui F.Z.

ID	Intitulé	Année	Journal	Auteurs
10981	State Observation of Induction Machine in Presence Of Magnetic Saturation Theoretical design and experimental evaluation	2012	International Journal of Integrated Energy Systems, 4(1): 27-55	El Fadili, A., Giri F., Ouardi H. and El Magri A.
10982	Adaptive Nonlinear Control of Induction Motors Through AC/DC/AC Converters	2012	Journal of Control, 14: 1470-1483. doi: 10.1002/asjc.478	El Fadili, A., Giri, F., El Magri, A., Dugard, L. and Chaoui, F.Z.
10983	An adaptive control strategy for wound rotor synchronous machines	2012	Int. J. Adapt. Control Signal Process, 26: 821-847. doi: 10.1002/acs.2271	El Magri, A., Giri, F., El Fadili, A. and Chaoui, F.Z.
10984	Towards a global control strategy for Induction motor. Speed regulation, Flux optimization and power factor correction	2012	, International Journal of Electrical Power and Energy Systems, 43: 230-244	El Fadili, A, Giri, F, Magri, A, Lajouad R. and Chaoui, F.Z.
10986	Modeling and Analysis of Laminated Composite Structures	2012	International Journal of Computer Applications (0975- 8887) Volume50-No.3	Saleh Alsubari, Hassan Chaffoui
10987	Numerical Solutions of Luikov and Philipe and De Vries Equations of Heat and Mass Transfer in Porous Media	2015	International Journal of Science and Research (IJSR) Volume 4, Issue 3, March 2015	R. Saadani , S. Ou ben moh , M. Rahmoune , A. Sbaibi
10988	Numerical Resolution of the Coupled Equations of Heat and Mass Transfer in Porous Media	2012	International Journal of Research and Reviews in Mechatronic Design and Simulation(IJRRMDS) Vol. 2,	R. Saadani, A. Jamil,A. Sbaibi, Y. Mourad
10991	CHARACTERIZATION OF A DIESEL SPRAY STRUCTURE AT HIGH PRESSURE	2014	Journal of Mathematics and Technology, ISSN: 2078-0257, Vol. 5. No. 2,	L. Souinida1*, M. Mouqallid1, I. Affad2

ID	Intitulé	Année	Journal	Auteurs
10994	The Effect of the Random Inflow Conditions and Initial Conditions to Cycle-to-Cycle Variations Using Detachment Eddy Simulation	2012	SAE International doi:10.4271/2012-01-1758	Mustapha Mahdaoui, Abdelouahad Ait Msaad, Mhamed Mouqallid and
10999	Reduced Detailed Mechanism for Methane Combustion	2012	Energy and Power Engineering, 2012, 4, 28-33 doi:10.4236/epe.2012.41004 Published Online January 201	Abdelouahad Ait Msaad1, Abdeltif Belcadi1, Mustapha Mahdaoui1, Elhoussin Aaffad2, M'hamed Mouqallid1
11001	The Influence of Inflow Condition on the Generation of Tumbling Flow Using Detached Eddy Simulation	2012	Energy and Power Engineering, 2012, 4, 34-40 doi:10.4236/epe.2012.41005 Published Online January 201	Mustapha Mahdaoui1, Abdelouahad Ait Msaad1, Mhmed Mouqallid1, Elhoussin Affad2
11002	CH4/NOx Reduced Mechanisms Used for Modeling Premixed Combustion	2012	Energy and Power Engineering, 2012, 4, 264-273 doi:10.4236/epe.2012.44036 Published Online July 2012	Abdellatif Belcadi1, Mohammed Assou2, El Houssine Affad2, El Houssine Chatri1
11009	Local field within a non linear thin film illuminated by a gaussian laser beam	2013	IJRRAS 14 (2)	R. CHIFAHY & R. MOUNTASSER
13297	Characterization of a diesel spray structure at high pressure.	2014	Journal of Mathematics and Technology, ISSN: 2078-0257, Vol. 5. No. 2, 2014	L. Souinida, M. Mouqallid, I. Affad
13298	Bluff Body methane flame simulation: influence of turbulence modeling	2016	J. Mater. Environ. Sci. 7 (12) (2016) 4361-4374	R. El amraoui*1, M. Mouqallid2, H. El mghari1, E. Affad3, M. Obounou4, D. Garreton5
13299	The differentiation between the turbulence and two-phase models to	2015	American Journal of Engineering Research (AJER)	L. Souinida1, M. Mouqallid1 and L. Affad2

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	characterize a Diesel spray at high injection pressure			
13300	Sensorless DTC Drive of Induction Motor Using 3-Level Inverter	2016	International Review of Automatic Control (I.RE.A.CO.), Vol. 9, N. 4	A. Achalhi, M. Bezza, N. Belbounaguia
13301	Backstepping Control for Semi-Active Suspension of Half-Vehicle with Dahl Magnetorheological Damper Model	2015	International Journal on Engineering Applications (I.R.E.A.) Vol. 3, N. 4	K. El Majdoub, H. Ouadi
13302	Adaptive Backstepping Control of Three-Phase Four-Wire Shunt Active Power Filters for Energy Quality improvement	2015	J Control Autom Electr Syst	A. Ait Chihab1 · H. Ouadi1 · F. Giri2 · K. El Majdoub2
13303	Boosting the performance of solar cells with intermediate band absorbers. The case of ZnTe:O	2016	Eur. Phys. J. Appl. Phys. Submitted (2016).	O. SKHOUNI, A. EL MANOUNI, B. MARI
13304	numerical study of the influence of ZnTe thickness on CdS/ZnTe solar cell performance	2016	Eur. Phys. J. Appl. Phys. (2016) 74: 24602	O. SKHOUNI, A.EL MANOUNI, B. MARI, U. HANIF
13305	Energy's Method for Experimental Life Prediction of a 1 + 6 Strand	2016	The International Journal Of Engineering And Science (IJES) ; Volume 5 Issue 7 Pages 27-33	Amal Tijani ; Meryam MEKNASSI ; Hassan CHAFFOUI, Mohamed EIGHorba
13309	A Simple High Gain Observer for the Wind Energy System Based on the Doubly Fed Induction Generator	2015	Advances on Systems, Signals, Control, Communications and Computers	Rachid Lajouad, Fatima Zahra Chaoui, Abderrahime El Fadili
13310	Low voltage breker arc behavior as function of breaking currents	2015	IJAER, Vol 10, N° 19 pp 40739-40745	□ N.Machkour, Elm. Kheddioui, N. Rabbah, N. Belbounaguia, M. Zegrari,

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13311	DC / DC converters for the conditioning of Photovoltaic energy- Modeling and command strategy	2015	American Journal of Engineering Research AJER- Volume 4. Issue 2	Z.Sabiri, N. Machkour, Elm. Kheddioui, B. Boujoudi, M.B. Camara, B.Dakyo
13314	Backstepping Control of the Web Winding System	2015	International Journal of Engineering & Technology (IJET-IJENS). Vol. 15, N°06, pp. 31-35	. Rabbah, N. Machkour, M. Zegrari, Elm.Kheddioui, H. Ait El Mahjoub
14400	Perform sensing and transmission in parallel in cognitive radio systems: Spectrum and energy efficiency	2016	Digital Signal Processing	Mohammed Ridouani, Aawatif Hayar and Abdelkrim Haqiq
14402	A novel power control based on a relaxed constraint in cognitive system	2016	Transactions on Emerging Telecommunications Technologies	Mohammed Ridouani, Aawatif Hayar and Abdelkrim Haqiq
14403	Continuous-Transmit in Cognitive Radio Systems: Outage Performance of Selection Decode-and-Forward Relay Networks over Nakagami-m Fading Channels	2015	EURASIP Journal on Wireless Communications and Networking	Mohammed Ridouani, Aawatif Hayar and Abdelkrim Haqiq
14416	• Article: Technique of communications using a UE Transporter and Wi-Fi link	2015	©2014 IEEE	Mohamed Riduan Abid, Ismail Fassi Fihri +5 more authors.. Aawatif Hayar and Mohamed Essaaidi
19253	New Renewable Energy Allocation Algorithms based on Bin Packing in a Smart Home	2016	Proceeding of the 5th International Conference on Smart Cities and Green ICT Systems (SMARTGREENS 20	N. Benjamin Sendama, Mehdi Laraki; Awatif Hayar and Yassine Rifi
19254	Network Architecture of Smart Metering basing on Zigbee Sensors	2016	International Journal of Scientific & Engineering Research, Vol 7, Issue	A. EL KHANTACH, M. HAMLICH, N. BELBOUNAGUIYA

ID	Intitulé	Année	Journal	Auteurs
	Network		11	
30078	Numerical investigation of thermohydraulic performance of air to water double pipe heat exchanger with helical fins	2017	Applied Thermal Engineering	Anas El Maakoul, Mustapha El Metoui , Abdellatif Ben Abdellah, Said Saadeddine, , Mohamed Meziane
30079	Numerical design and investigation of heat transfer enhancement and performance for an annulus with continuous helical baffles in a double pipe heat exchanger	2017	Energy Conversion and Management	Anas El Maakoul, Azzeddine Laknizi, Said Saadeddine, Abdellatif Ben Abdellah, Mohamed Meziane, Mustapha El Metoui
30080	Numerical comparison of shell-side performance for shell and tube heat exchangers with trefoil-hole, helical and segmental baffles	2016	Applied Thermal Engineering	A. El Maakoul, A. Laknizi, S. Saadeddine, A. Benabdellah, M. Meziane and M. El Metoui,
30081	Investigation du système de dessalement par humidification-déshumidification	2016	Revue de l'Entrepreneuriat et de l'Innovation	El Maâkoul Anas, Abdellatif Ben Abdellah, Saadeddine Said, Meziane Mohamed, Azzeddine Laknizi
30086	Influence of P+-ZnTe back surface contact on photovoltaic performance of ZnTe based solar cells	2018	Optical and Quantum Electronics	H. BAYAB, A. EL MANOUNI, , B. MARI, Y. H; KHATTAK; S. ULLAH; F.BAIG
30087	Boosting the performance of solar cells with intermediate band absorbers. The case of ZnTe:O	2017	Journal of Energy and Power Engineering	O. SKHOUNI, A. EL MANOUNI, H. BAYAB, B. MARI
30120	Non-linear command of wind turbine based on Doubly-fed Induction generator	2018	European Journal of Electrical Engineering	Z. SABIRI, N. MACHKOUR, M. BEZZA, Elm. KHEDDIOUI, D. OUOBA

*Publications avec comité de lecture

ID	Intitulé	Année	Journal	Auteurs
11479	Commande Non Linéaire à Retour de Sortie de la Génératrice Synchrone à Aimants Permanents, Conférence Internationale Francophone d'Automatique	2012	CIFA'12), pp : 961—966, Grenoble, France	A. El Magri, F. Giri, A. Elfadili, Luc Dugard.

*Communications internationales

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
8920	COUPLING OF THE MAGNETIC DIAGNOSTIC METHOD BASED ON TITE DECONVOLUTION PRINCIPLE WITH AN I{\\IERSE METHOD, * TO STTIDY A LOW VOLTAGE BREAKER ARC	Elm. KHEDDIOUI., N.MACHKOUR*, N. BELBOTINAGUIA*	Congrès Méditerranéen des Télécornm unications, CMT 14	Mohammedia	maroc	2014-05-22
8922	EFFECT OF NTJMBER OF HIDDEN NETJRONS ON THE PERFORMANCE OF THE PHOTOVOLTAIC CELL MODEL	fayrouz DKHICHI, Benyounes OUKARFI, Abderrahim FAKKA& Nour-Eddine BELBOUNAGUIA	Congrès Méditerranéen des Télécommunications, CMT' 1 4	Mohammedia	maroc	2014-05-22
9445	Adaptive command for double boost chopper with backstepping	Z. sabiri , N. Machkour, . CAMARA	Renewable and sustainable energy conference IRSEC 14	Mohammedia	maroc	2014-10-17

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	approach					
9455	DC/DC converters for photovoltaic applications modeling and simulations	Sabiri, Machkour	IRSEC14	ouarzazate	Maroc	2014-10-17
9896	Couplag of the maghetic diagnostic method based on the deconvolution principle with an inverse method, to stydy a low voltage breaker ARC	N. machkour	Congrès M éd iterranéen des Télécornm unications, CMT 14	Mohammedia	maroc	2014-05-22
9898	Experimental validation of new magnetic method applied to diagnose a low voltage breaker aRC	machkour, A. bourjilate	Matec web conference	Marrakech	maroc	2012-04-30
11486	Commande Non Linéaire à Retour de Sortie de la Génératrice Synchrone à Aimants Permanents,	A. El Magri, F. Giri, A. Elfadili, Luc Dugard.	Conférence Internationale Francophone d'Automatique (CIFA'12), pp : 961—966,	Grenoble,	France	2012-07-04
11522	Observateur interconnecté adaptatif sans capteur mécanique pour la machine asynchrone avec prise en compte de la saturation magnétique	A. Elfadili, F. Giri, A. El Magri.	Conférence Internationale Francophone d'Automatique (CIFA'12)	Grenoble	France	2012-07-04

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
11529	An Interconnected Adaptive Observer for PMS Motors	El Magri A., F. Giri , A. El Fadili.	IFAC Symposium on Power Plants and Power Systems control (PPPSC'12)	Toulouse	France	2012-09-02
11533	Output Feedback Control for Induction Machine in Presence of Nonlinear Magnetic Characteristic	El Fadili A., F. Giri, A. El Magri, R. Lajouad.	Symposium on Power Plants and Power Systems control (PPPSC'12),	Toulouse	France	2012-09-02
11541	Wind Sensorless Control of Wind Energy Conversion System With PMS Generator	A. El Magri, F. Giri, A Elfadili, L. Dugard.	American Control Conference, Fairmont Queen Elizabeth	Montreal	Canada	2012-06-27
11544	State Feedback Control Of Wind Energy Conversion System Involving Squirrel Cage Induction Generator	Lajouad R., A. El Magri., A. El Fadili, F.Z Chaoui, F. Giri, Besançon, G,	11th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing, University of Caen Basse-Normandie	Caen	France	2013-07-03
11548	Adaptive Nonlinear Control of Wind Energy Conversion System with PMS Generator	A. El Magri., F. Giri, A. El Fadili, L. Dugard,	11th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing	Caen	France	2013-07-03
11552	Nonlinear controller for Doubly Fed Induction Motor with bi-directional AC/DC/AC converter	El Fadili A., F. Giri, A. El Magri, L. Dugard,	11th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing, University of Caen Basse-	Caen	France	2013-07-03

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
			Normandie			
11557	Backstepping Control for Maximum Power Tracking in Single- Phase Grid-Connected Photovoltaic Systems	El Fadili A., F. Giri, A. El Magri,	11th IFAC International Workshop on Adaptation and Learning in Control and Signal Processing, University of Caen Basse-Normandie	Caen	France	2013-07-03
11563	Sampled-Data Nonlinear Observer Design PMSM	A.A.R.Al Tahir, A.ElMagri, T.Ahmed-Ali, El Fadili A., F. Giri	IFAC-PapersOnLine 48-11 (2015) 327-332	Saint Petersburg	Russie	2014-06-24
11581	QoS of Cognitive and Primary Networks and Spectrum Sensing Tradeoff Using Always Transmit	Mohammed Ridouani, Aawatif Hayar and Abdelkrim Haqiq	IEEE International workshop CCS	Rhine River	Allemagne	2014-09-02
11586	Technique of Communications Using a UE and Wi-Fi Link	Ahmed Laguidi and Aawatif Hayar	IEEE NGNS 2014	Casablanca	Maroc	2014-05-28
11589	Combining Renewable Energy and Vehicle to Grid sources for QoS in EAAS Concept for Smart Grids Systems	B. Sendama, A. Moutabir and A. Hayar,	IEEE CISTEM Conference	Tunis	Tunis	2014-11-03
11592	General Scheme for Always Transmit Solution in Cognitive Radio Systems	M. Ridouani, A. Hayar	IEEE COMMUNICATION SOCIETY, 20th International Conference on Telecommunications	Casablanca	Maroc	2014-05-06

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
			ICT2013			
11626	New ICT-Based Architecture for Energy Management and Energy as a Service Concept in Smart Grids	B. Sendama, A. Hayar and S. Bouferda	International Conference on Engineering Education and research ICEER 2013	Marrakech	Maroc	2013-07-01
30094	Evaluation of the LVRT Requirement for Wind Farms specified in the Moroccan Grid Co	Drhorhi I. A. El Fadili, D. Kasmi . and M. Stitou	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30095	Evaluation of the Moroccan Electrical Grid Dynamic Stability after Large Scale Renewable Energies Integration	Drhorhi I. El Fadili, A, D. Kasmi . and M. Stitou	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30096	Reference Speed Optimizer Controller for Maximum Power Tracking in Wind Energy Conversion System Involving DFIG	Boutahar S., A. El Fadili, I. Drhorhi, M. Stitou, A. El Magri and R. Lajouad	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30097	Output Feedback Control of Sensorless Photovoltaic Systems, with Maximum Power	Stitou. M, El Fadili, A, F.Z Chaoui, F. Giri	Conference Internationale Renewable Energies, Power Systems and Green Inclusive	Casablanca	Maroc	2018-04-23

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	Point Tracking		Economy (REPS & GIE-2018)			
30100	Management Strategy of a hybrid renewable energy system	- Z. Sabiri, N. Machkour, K. El Majdoub, M. Bezza, Elm. Kheddioui	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30101	Optimal Control of Semi-Active Quarter Vehicle Suspension with Magnetorheological Damper and Dahl Model,	- K. EL Majdoub, H. Ouadi, N. Belbounaguia, Elm. Kheddioui, R. Souhail, O. Ammari,	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30115	Firefly Algorithm for Solving Load Flow Problem	A. Tazi, Z. Sabiri, N. Belbounaguia, Elm. Kheddioui, M. Bezza,	Conference Internationale Renewable Energies, Power Systems and Green Inclusive Economy (REPS & GIE-2018)	Casablanca	Maroc	2018-04-23
30147	Localized Boundary Layer Receptivity To a Free Stream Acoustic Disturbance	Y. BANDADI , A. SBAIBI	17eme Congrès Français de Mécanique	Lille, France	France	2017-08-28
30500	Comparative study between Direct Torque Control and Field Oriented Control of	A. ACHALHI, M. BEZZA, et N. BELBOUNAGUIA	Development and Manufacturing of Electronic Systems (DEMESYS)	Rabat	Maroc	2015-05-01

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Induction Machine					
30501	« Improvement of Direct Torque Control by using a Space Vector Modulation Control of three Level Inverter »	A . ACHALHI, M.BEZZA, N. BELBOUNAGUIA and B. BOUJOURDI	XII ème JMSM,	Fès	Maroc	2015-11-19
30505	Firfly Algorithm for Solving Load Flow Problem “	M.BEZZA, A. ACHALHI, N. BELBOUNAGUIA	AETEEMS 2017	Casablanca	Maroc	2017-07-10

*Communications nationales

ID	Intitulé	Auteurs	Conférence	Ville	Date
11019	Elaboration de la Relativité Générale	D. EL KASMI	Centenaire de la Relativité Générale	Mohammedia	2015-12-03
11025	numerical study of the influence of ZnTe thickness on CdS/ZnTe solar cell performance	O. SKHOUNI, A.EL MANOUNI, B. MARI, U. HANIF	International Conference on Material and Energy	ENS Martil Tetouen	2015-05-19
11027	Préparation de couches minces de ZnTe par la technique de l'électrodéposition cathodique pour application dans les cellules solaires	. SKHOUNI, A. EL MANOUNI, M. MOLLAR, R. SCHREBLER, B. MARI	8ème Rencontre Nationale d'Electrochimie (RNE08),	ENIM Rabat	2015-03-26

ID	Intitulé	Auteurs	Conférence	Ville	Date
11031	Coupling of the magnetic diagnostic method based on the deconvolution principle with an inverse method, to study a low voltage breaker arc	Elm. KHEDDIOUI, N. MACHKOUR, N. BELBOUNAGUIA	Congrès Méditerranéen des Télécommunications, CMT'14	Mohammedia	2014-05-22
11034	effect of number of hidden neurons on the performance of the photovoltaic cell model	F. DKHICHI, B. OUKARFI, A. FAKKAR et N. BELBOUNAGUIA	Congrès Méditerranéen des Télécommunications, CMT'14	Mohammedia	2014-05-22
11035	Modélisation VHDL AMS et application à la commande direct du couple (DTC) de la machine asynchrone	M. BEZZA, A. ACHALHI, et N. BELBOUNAGUIA	Workshop International sur les Systèmes Avancés en Génie Electrique et Energie Renouvelable (SAGEER'2015)	Oujda	2015-03-21
11038	Comparative study between Direct Torque Control and Field Oriented Control of Induction Machine	A. ACHALHI, M. BEZZA, et N. BELBOUNAGUIA	Development and Manufacturing of Electronic Systems (DEMESYS)	Rabat	2015-04-01
11305	Performance during load variations of photovoltaic system with an auto-scaling step-size based MPPT device	. OUOBA, A. FAKKAR, B. OUKARFI, N. BELBOUNAGUIA et K. ELKAMOUNY	Development and Manufacturing of Electronic Systems (DEMESYS)	Rabat	2015-04-01
11314	Improvement of Direct Torque Control by using a Space Vector Modulation Control of three Level Inverter	A . ACHALHI, M. BEZZA, N. BELBOUNAGUIA and B. BOUJOURDI	XII ème JMSM	Fès	2015-11-12
11328	Application of Direct Torque Control of Induction Motor in a	. ACHALHI, D. OUOBA, M. BEZZA, N. BELBOUNAGUIA et	3rd International Renewable and Sustainable Energy	Marrakech & Ouarzazate	2015-12-10

ID	Intitulé	Auteurs	Conférence	Ville	Date
	Photovoltaic Water Pumping System	F.DKHICHI	Conference ISERC'15		
11338	Etude expérimentale de l'endommagement d'un câble métallique par fatigue	A. TIJANI, M. ELGHORBA, H. CHAFFOUI	12ème congrès de mécanique	Casablanca	2015-04-21
11351	Endommagement Critique d'un Cable Metallique Soumis a des Sollicitations Cycliques	Amal TIJANI, Nadia Mouhib, Mohamed El Ghorba and Hassan Chaffoui	5ème Congrès Algérien de Mécanique	EL-OUED, ALGERIE	2015-10-25
11363	Evaluation of earth-air heat exchanger for cooling and heating a poultry house: case study Morocco	Azzeddine Laknizi, Anas El Maakoul, Abdellatif Ben Abdellah, Mohsine Bouya, Said Dhimdi and Saadeddine Said.	3rd International Renewable and Sustainable Energy Conference.	Marrakech & Ouarzazate	2015-12-13
11368	Utilisation d'un échangeur air-sol comme solution de conditionnement d'air dans un bâtiment avicole	Laknizi, Anas El Maakoul, Abdellatif Ben Abdellah, Saadeddine Said, Meziane Mohamed	3ème colloque CépIC : Le brevet, outil stratégique de l'innovation et de la valorisation de la recherche scientifique	Ben Msik Casablanca	2015-12-17
11371	Investigation du système de dessalement par humidification-déshumidification	Maâkoul Anas, Azzeddine Laknizi, Abdellatif Ben Abdellah, Saadeddine Said, Meziane Mohamed	Le brevet, outil stratégique de l'innovation et de la valorisation de la recherche scientifique	Ben Msik Casablanca	2015-12-17
11379	QoS of Cognitive and Primary Networks and Spectrum Sensing Tradeoff Using Always Transmit	Mohammed Ridouani, Aawatif Hayar and Abdelkrim Haqiq	IEEE International workshop CCS	Germany	2014-01-07
11385	Technique of Communications	Ahmed Laguidi and Aawatif	IEEE NGNS 2014	Casablanca	2014-05-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
	Using a UE and Wi-Fi Link	Hayar			
11393	Combining Renewable Energy and Vehicle to Grid sources for QoS in EAAS Concept for Smart Grids Systems	B. Sendama, A. Moutabir and A. Hayar,	IEEE CISTEM Conference	Tunis	2014-11-03
11398	General Scheme for Always Transmit Solution in Cognitive Radio Systems	M. Ridouani, A. Hayar	IEEE COMMUNICATION SOCIETY, 20th International Conference on Telecommunications ICT2013	Casablanca	2013-05-06

*Ouvrages

ID	Intitulé	Auteurs	Editeur	Date
11427	Modélisation et optimisation des structures composites - Outils de calculs et démarches de conception	H. Chaffoui	Editions Universitaires Européennes, 2012, ISBN 978-3-8417-9660-8	2012
11440	Control Models for Induction Motors, in AC Electric Motors Control: Advanced Design Techniques and Applications	EL Fadili, A., Giri, F. and EL Magri, A	(ed F. Giri), John Wiley & Sons Ltd, Oxford, UK.	2013
11443	Control Models for Synchronous Machines , in AC Electric Motors Control: Advanced Design Techniques and Applications	EL Magri, A., EL Fadili, A. and Giri, F.	(ed F. Giri), John Wiley & Sons Ltd, Oxford, UK.	2013
11454	Nonlinear Control for Speed Regulation of Induction Motor with Optimal	EL Fadili, A., EL Magri, A., Ouadi, H. and Giri, F.	(ed F. Giri), John Wiley & Sons Ltd, Oxford, UK	2013

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	Energetic Efficiency, in AC Electric Motors Control: Advanced Design Techniques and Applications			
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*Thèses en cours

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
2329	ALIMOU Dounya	Etude du comportement mécanique des câbles métalliques	CHAFFOUI Hassan	2015
2331	ACHHAL Saloua	Analyse des défaillances dans les comportements mécaniques des câbles métalliques	CHAFFOUI Hassan	2015
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		Acoustiques		
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2342	HIBAOUI Meyssae	Scénario de transition énergétique 100% renouvelable	EL KASMI DRISS	2015
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2362	BOUJOURDI Basma	Etude de problèmes liés au creux de tension dans un réseau électrique. Application : cas d'une éolienne	KHEDDIOUI Elm'kadem	2013
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2947	Othmane SKHOUNI	Préparation et caractérisation de couches minces de ZnTe. Simulations de performances photovoltaïques de cellules solaires à base de ZnTe et ZnTe:O	ELMANOUNI Ahmed	2012	2015-12-28
5781	Zakaria Sabiri	Etude de l'efficacité de l'intégration de multi-sources d'énergies renouvelables dans un réseau électrique intelligent et isolé	KHEDDIOUI Elm'kadem	2013	2018-04-25
5782	Basma Boujoudi	Commande d'une Eolienne à Base d'une Génératrice Asynchrone à Double Alimentation reliée à un Réseau Perturbé par des Creux de Tensions Electriques	kheddioui el mkaddem	2013	2018-07-07
5783	Amina Achalhi	Contribution à l'amélioration de la commande directe du couple (DTC) de la machine asynchrone	BELBOUNAGUIA NourEddine	2013	2018-06-20