



**Production scientifique
2012-2015**

Laboratoire informatique, modélisation des systèmes et aide à la décision

***Publications indexées**

ID	Intitulé	Année	Journal	Auteurs
7386	Formal Framework of Hybrid Test Cases Generation Applied to Embedded Systems	2013	International Journal of Computer Science Issues	NAHHAL T
7599	Modeling and simulation of multiprocessor systems MPSoCby SystemC/TLM2	2014	International Journal of Computer Science Issues	Abdelhakim A. , ASSAYAD, I, SADIK, M.
7602	Tradeoff exploration between reliability, power consumption, and execution time for embedded systems	2013	Journal of Software Tools for Technology Transfer.	Assayad I., Girault I., Kalla H.,

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7625	Solar Heater Technologies Selection Using Multi-criteria Analysis	2015	Journal of Energy and Power Engineering	M. Bouya, B. Abou El Majd, M. Agdid, and A. B. Abdellah
7627	Error estimation of electromagnetic properties in periodic composite materials	2015	Int. J. Eng. Math. Model	Ouchetto, Ouail, Badr Abou El Majd, and Brahim Essakhi
7630	Parameterization adaption for 3D shape optimization in aerodynamics	2014	international Journal of Science and Engineering	B. Abou El Majd
7631	Two Level Correction Algorithm for Parametric Shape Inverse Optimization	2015	International Journal of Engineering and Mathematical Modelling	Jichao Zhao, Badr Abou El Majd, Jean Antoine Desideri
7634	. Regularization method for calibrated POD Reduced-Order Models	2014	MATEC Journal,	B. Abou El Majd and L. Cordier.
8692	4G System: Network Architecture and Performance	2015	International Journal of Innovative Research in Advanced Engineering (IJIRAE)	Magri Hicham, Noredine Abghour , Mohammed Ouzzif
8700	Assignment of container of container trucks of road transport trucks of a road transport company with consideration of the consideration of the load balancing problem	2013	International Journal of Computer Science and Applications	G. Hamdouni, A. Elomri, K. Moussaid
9011	Contextual Modeling of Collaboration System - Purchasing process application	2012	International Journal of Advanced Computer Science and Applications IJACSA	W. Dachry, B. Aghezzaf, B. Bensassi, and A. Sayouti
9016	Ressources optimization handling operations in ports	2014	wseas transactions on systems,	H. El Mandili, B. Nsiri, B. Aghezzaf

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9027	Multi-Agent System Architecture Oriented Prometheus Methodology Design for Reverse Logistics	2015	International Journal of Computer, Electrical, Automation, Control and Information Engineering	F. Lhafiane, A. Elbyed and M. Bouchoum
9033	Reverse Logistics Information Management Using Ontological Approach	2015	International Journal of Computer, Control, Quantum and Information Engineering	F. Lhafiane, A. Elbyed and M. Bouchoum
9039	Improving Reverse Logistics Process using Multiagents System and Semantic Web	2014	Journal of Traffic and Logistics Engineering	F. Lhafiane, A. Elbyed and M. Bouchoum
9054	Solving the capacitated Team orienteering problem with time windows through variable neighborhood search	2015	International Review on Computers and software	B. Aghezzaf, H. El Fahim
9507	New regularization method for calibrated POD Reduced-Order Models	2015	Mathematical Modelling and Analysis	Badr Abou El Majd, Laurent Cordier
9510	Homogenization of Periodic Structured Materials with Chiral Properties	2015	IEEE Transactions on Antennas and Propagation	Ouail Ouchetto, Badr Abou El Majd, Hassania Ouchetto, Brahim Essakhi, Said Zouhdi
10107	New Hybrid algorithm for multi-objective structural optimization	2013	Proceeding of IEEE-IESM 2013	El moumen S., Ellaia R., Aboulaich R
10114	The multi-constraint Team orienteering problem with time windows in the context of distribution problems: A variable neighborhood search algorithms	2014	Proceeding IEEE XPLORE, 155-160, 2014.	B. Aghezzaf , H. EL Fahim

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10582	A Hybrid Method Based on Particle Swarm Optimization and Nonmonotone Spectral Gradient Method for Unconstrained Optimization Problem.	2012	International Journal of Mathematical Analysis	H. LAKHBAB, S. EL BERNOUSSI
10584	Energy minimization of point charges on a sphere with a hybrid approach.	2012	Applied Mathematical Sciences	H. LAKHBAB , S. EL BERNOUSSI, A. EL HARIF
10585	Energy Minimization of Point Charges on a Sphere with a Spectral Projected Gradient Method	2012	International Journal of Scientific Engineering Research	H. LAKHBAB , S. EL BERNOUSSI, A. EL HARIF
10801	Multilevel MPSoC Performance Evaluation, new ISSPT model	2015	International Journal of Electrical and Computer Engineering (IJECE)	A. Alali, I. Assayad, M. Sadik
11416	A flexible Approach to Modelling Adaptive Course Sequencing based on Graphs implemented using Xlink	2012	IJACSA, International Journal of Advanced Computer Science and Application	R.Elouahbi,D.Bouzidi,N.Abghour,M.Nassir
16702	Iterated local search algorithm for solving the orienteering problem with soft time windows	2016	SpringerPlus	Aghezzaf Brahim, Hassan el Fahim
16734	Hybrid nonmonotone spectral gradient method for the unconstrained minimization problem	2016	Computational and Applied Mathematics	LAKHBAB Halima , EL BERNOUSSI Souad
16758	Artificial Intelligence (AI) Contribution to GIS in Optimal Positioning of Hydrophone Sensors Using Genetic Algorithm (Case Study: Water Network, Casablanca, Morocco)	2016	Mediterranean Conference on Information & Communication Technologies	Hatim Lechgar, Abdelouahed Mallouk, Mohamed El Imame Malaainine, Tarik Nahhal, Hassane Rhinane

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16772	Homogenization of Periodic Structured Materials with Chiral Properties	2016	IEEE Transactions on Antennas and Propagation, Issue 99, 2016, DOI : 10.1109/TAP.2016.2536177.	O. Ouchetto, B. Abou El Majd, H. Ouchetto, B. Essakhi, S. Zouhdi
16776	New Regularization Method for Calibrated POD Reduced-Order Models	2016	Mathematical Modelling and Analysis, 21(1) : 47-62, 2016.	B. Abou El Majd, and L. Cordier.
16792	Resources-Based Ontology Matching to Access Learning Resources	2015	International Journal of Computer, Electrical, Automation, Control and Information Engineering Volum	ELBYED Abdeltif
16793	A Bayesian Network based on MCDM Framework for Reverse Logistics	2016	International journal of mathematics and computers in simulation, volume 10, 2016.(ISSN: 1998-0159)	F. Lhafiane, A. Elbyed, M. Bouchoum
16804	A Cooperative and Hybrid Network Intrusion Detection Framework in Cloud Computing Based On Snort and Optimized Back Propagation Neural Network.	2016	Procedia Computer Science, 83, 1200-1206	Chiba, Z., Abghour, N., Moussaid, K., El omri, A., & Rida, M.,
16831	Device-To-Device (D2D) Communication Under LTE-Advanced Networks	2016	International Journal of Wireless & Mobile Networks (IJWMN) Vol. 8, No. 1, February 2016 DOI : 10.51	22. Magri Hicham, Noredine Abghour, Mohammed Ouzzif
18092	Cloud radio access network technology for the next fifth generation mobile networks	2016	Journal of Theoretical and Applied Information Technology	Magri.H, Abghour.N, Ouzzif, M
18259	Key Concepts of 5th Generation Mobile Technology	2015	International Journal of Electrical, Computer, Energetic, Electronic and Communication engineering	Magri H, Abghour N, Ouzzif M

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18260	A fuzzy Topsis Approach for finding Shortest Path in Multimodal Transportation networks	2014	International Journal of Computing and Optimisation	El yamani O, Mouncif H, Rida M
18261	Modeling and Optimization of Decision-Making Process During Loading and Unloading Operations at Container Port	2014	Arabian Journal for Science and Engineering	Rida M
21351	Cost of Capital Model Based on Islamic Finance Principles	2017	International Journal of Applied Business and Economic Research	Aboulaich R., Boularhmane I., El Moumen S.
26917	A novel architecture combined with optimal parameters for back propagation neural networks applied to anomaly network intrusion detection	2018	Computers & Security	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.
26953	Coordinated Placement and Setting of FACTS in Electrical Network based on Kalai-smorodinsky Bargaining Solution and Voltage Deviation Index	2018	International Journal of Electrical and Computer Engineering (IJECE)	Oukennou A., Sandali A., El Moumen S.
27225	The MapReduce-based approach to improve the shortest path computation in large-scale road networks: the case of A* algorithm	2018	Journal of Big Data	Adoni, W. Y. H., Nahhal, T., Aghezzaf, B., Elbyed, A.
28246	Optimizing the Multi-Objective Deployment Problem of Mlat System	2018	MATEC Journal	Fadil, R., El Majd, B. A., El Ghazi, H., Rahil, H.
28708	5G mobile networks based on SDN concepts	2018	International Journal of Engineering and Technology(UAE)	Magri.H., Abghour, N., Ouzzif, M.

ID	Intitulé	Année	Journal	Auteurs
28715	A Novel Security Framework for Managing Android Permissions Using Blockchain Technology	2018	International Journal of Cloud Applications and Computing	Abdellah Ouaguid, Noredine Abghour, Mohammed Ouzzif
29151	A Global Performance Analysis Methodology Using Taguchi Approach: Case of Cloud Computing and Supply Chain	2018	International Journal of Logistics Systems and Management	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.
29160	A Performed Load Balancing Algorithm for Public Cloud Computing Using Ant Colony Optimization	2018	Recent Patents On computer sciences	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.
30735	An Adaptive Key Exchange Procedure for VANET	2016	International Journal of Advanced Computer Science and Applications (IJACSA)	Toulni H., Nsiri B., Boudhane M., Miyara M.

*Publications avec comité de lecture

ID	Intitulé	Année	Journal	Auteurs
11203	Collaborative Information System for Managing the Supply Chain: Architecture Based on a Multi Agent System	2013	International Journal of Research in Industrial Engineering	W. Dachry, B. Aghezzaf et B. Bensassi
20898	Data Mining Approaches for Alzheimer's Disease Diagnosis	2017	Ubiquitous Networking. UNet 2017. Lecture Notes in Computer Science, vol 10542. Springer, Cham	Benyoussef E. M., Elbyed A., El Hadiri H.
20899	MRA*: Parallel and Distributed Path in	2017	Ubiquitous Networking. UNet 2017.	Adoni W. Y. H., Nahhal T., Aghezzaf

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	Large-Scale Graph Using MapReduce-A* Based Approach		Lecture Notes in Computer Science, vol 10542. Springer, Cham	B., Elbyed A.

*Communications internationales

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
7377	Artificial Intelligence (AI) Contribution to GIS in Optimal Positioning of Hydrophone Sensors Using Genetic Algorithm (Case Study: Water Network, Casablanca, Morocco)	Lechgar H., Mallouk A, Malaainine M, Nahhal T, Rhinane H.	MedCT 2015	Saïdia	Maroc	2015-05-07
7393	grrt: A Soft Simulation Tool For Ams-Circuit Design	NAHHAL T., Assyad I	3rd International Conference of Software Engineering & Computer Systems	PAHANG	Malyaisia	2013-08-20
7396	Integration And Analysis Of Heterogenous Architectures And Application To System C	NAHHAL T., Assyad I	3rd International Conference of Software Engineering & Computer Systems	PAHANG	Malyaisia	2013-08-20
7608	Modeling and simulation with ISSPT approach of multiprocessor systems MPSoC by SystemC/TLM	Abdelhakim A, ASSAYAD I, SADIK M.	IEEE Computer Science World Conference on Complex Systems	Agadir	Maroc	2014-11-12

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8777	Jitter approximation and QoS requirements	Magri Hicham , Noredidine Abghour , Mohammed Ouzzif	Workshop International sur les Nouvelles Technologies sans Fil et Systèmes Répartis WITS	Fez	Maroc	2014-04-09
8781	Jitter approximation and QoS requirement for IPP Model	Magri Hicham , Noredidine Abghour , Mohammed Ouzzif	Conférence Internationale en Sciences et Technologies Electriques au Maghreb	Tunis	Tunisie	2014-11-03
8784	Calcul analytique de la gigue pour les Modèles de Traffic IPP et MMPP-N	Magri Hicham, Noredidine Abghour , Mohammed Ouzzif	Colloque International Sur Le Monitoring Des Systèmes Industriels	Marrakech	Maroc	2014-12-25
8793	Key Concepts of 5th Generation Mobile Technology	Magri Hicham, Noredidine Abghour , Mohammed Ouzzif	17th International Conference on Telecommunications and Networking	Marrakech	Maroc	2015-04-08
8796	Analytical models for jitter and QoS requirements with IPP and MMPP-2 traffics Wireless Networks and Mobile Communications	Hicham Magri; Noredidine Abghour; Mohamed Ouzzif	WINCOM	Marrakech	Maroc	2015-10-20
8800	Management of upstream and downstream logistics of containers park for a car manufacture	Ghizlane Hamdouni, Amina Elomri,J. Boukachour, Khalid. Moussaid	5th International Conference on Industrial Engineering and Systems Management IESM	Rabat	Maroc	2013-10-28
8805	Modélisation fine et	F.Z. AMMOR, D. BOUZIDI,	Environnements	Toulouse	France	2013-05-28

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	chronologique des parcours d'apprentissage basée sur les indicateurs comportementaux	A. ELOMRI	Informatiques pour l'Apprentissage Humain			
8814	Construction of Deduction System of Learning Profile from Linguistic Profiling Rules	F.Z. AMMOR, D. BOUZIDI, A. ELOMRI	ICIET'13, International Conference on Information and Education Technology	Bruxelles	Belgique	2013-01-12
8821	Evaluation of Behavioral Changes for Deduction the Learning Profiles	F.Z. AMMOR, D. BOUZIDI, A. ELOMRI	NGNS'12, 4th International Conference on Next Generation Networks & Services	Algavre	Portugal	2012-12-02
8823	Affectation des camions d'un transporteur routier avec prise en compte des contraintes de maintenance	G. Hamdouni, A. Elomri, J. Boukachour, K. Moussaid	1st International IEEE Conference on Logistics Operations Management. ISEL	Le Havre	France	2012-10-17
8826	An Automatic and Customized Support Based on Artificial Ants	F.Z. AMMOR, D. BOUZIDI, A. ELOMRI	CIST'12, Colloquium on Information Science and Technology, IEEE INTERNATIONAL CONFERENCE SERIES	Fez	Maroc	2012-10-22
9121	On sequential Karush-Kuhn-Tucker optimality conditions for nonlinear optimization problems and algorithmic consequences	M. Hachimi , B. Aghezzaf	Conférence Internationale de Mathématiques Appliquées	Safi	Maroc	2015-11-10

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9124	Second order Karush-Kuhn-Tucker optimality conditions for differentiable multiobjective optimization problems	B. Aghezzaf, M. Hachimi	11 th International Conference on Multiple Objective Programming and Goal Programming (MOPGP)	Tlemcen	Algeria	2015-12-13
9128	Optimality conditions using approximations for vector optimization problems in normed spaces	M. Hachimi , B. Aghezzaf	, 11 th International Conference on Multiple Objective Programming and Goal Programming (MOPGP)	Tlemcen	Algeria	2015-12-13
9131	The multi-constraint team orienteering problem with time windows in the context of distribution problems : a variable neighborhood search algorithm	B. Aghezzaf, H. El Fahim	The 2nd IEEE international conference on logistics and operations management	Rabat	Maroc	2014-06-05
9146	Multi-Agent System Architecture Oriented Prometheus Methodology Design for Reverse Logistics	F. Lhafiane, A. Elbyed and M. Bouchoum	17th International Conference on Information Technology and Engineering, ICITE 2015	Barcelone	Espagne	2015-08-17
9151	Reverse Logistics Information Management Using Ontological Approach	F. Lhafiane, A. Elbyed and M. Bouchoum	International Conference on Mechanical, Industrial, and Manufacturing Technologies, ICMIMT 2015	Barcelone	Espagne	2015-02-26

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9168	Improving Reverse Logistics Process using Multi- Agents System and Semantic Web.	F. Lhafiane, A. Elbyed and M. Bouchoum	3th International Conference on Traffic and Logistic Engineering (ICTLE 2014)	Antalya	Turkey	2014-04-20
9191	NBI-SASP Algorithm for multiobjective structural optimization	El moumen S, Ellaia R, Aboulaich R	3ème Conférence Internationale de la société Marocaine de Mathématiques Appliquées	Marrakech	Maroc	2012-09-10
9205	A new hybrid algorithm for multiobjective structural optimization	Samira El moumen	The 5th International Conference on Industrial Engineering and systems Management IESM'13	Rabat	Maroc	2013-10-28
9580	A New Design for Aircraft Weight Distribution Control	Mohsine Bouya, Badr Abou El Majd, Abdellatif Ben Abdellah	AEROMAT 2015	CALIFORNIA	USA	2015-05-11
9583	Outil d'aide à la planification pour optimiser l'affectation des points de stationnement des avions	Badr Abou El Majd	ROADEF'15	Marseille	France	2015-02-19
9585	Multi-level optimal deployment of RFID readers by using particle swarm optimization	Abdelkader Raghieb, Badr Abou El Majd	The 5th International Conference on Metaheuristics and Nature Inspired Computing	Marrakech	Maroc	2014-12-01

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9588	Optimization of inserting a new flight in airline schedule using evolutionary algorithms	Hicham Rahil, Badr Abou El Majd, Mohamed Bouchoum	The 5th International Conference on Metaheuristics and Nature Inspired Computing	Marrakech	Maroc	2015-12-01
10593	A New Hybrid Approach For Tackling Thomson Problem	H. LAKHBAB, S. EL BERNOUSSI	Industrial Engineering and Systems Management (IESM)	Rabat	Maroc	2013-10-28
10595	A Particle Swarm Optimization to Round the Semidefinite Programming Relaxation Solutions for Wireless Sensor Network Localization Problem.	H. LAKHBAB, S. EL BERNOUSSI	The 1st International Conference IEEE on Logistics Operations Management	Le Havre	France	2012-10-17
10599	Molecular Conformation Problem with a hybrid approach.	H. LAKHBAB, S. EL BERNOUSSI	Société marocaine de Mathématiques appliqués - SM2A	Marrakech	Maroc	2012-09-10
16706	Une nouvelle méthode hybride AUGMECON2-BC pour la résolution du problème de voyageur de commerce avec gains	Ait Bouizaren Soumya, Aghezzaf Brahim	ROADEF'16	Compiègne	France	2016-02-10
16712	A new approach for solving the bi-objective orienteering problem using GRASP/VNS	Rezki Hanaa, Aghezzaf Brahim	TISPI'16	Oujda	Maroc	2016-05-26

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16744	Cyber security modeling for SCADA systems using stochastic game nets approach	A El Bouchti, T Nahhal	Future Generation Communication Technologies (FGCT), 2016 Fifth International Conference, IEEE.	Luton (near london)	UK	2016-08-17
16747	Encryption as a service for data healthcare cloud security	Abdelali El Bouchti, Samir Bahsani, Tarik Nahhal	Future Generation Communication Technologies (FGCT), 2016 Fifth International Conference, IEEE.	Luton (near london)	UK	2016-08-17
16777	Effective constitutive parameters of anisotropic chiral multilayered media	O. Ouchetto, B. A. El Majd and S. Zaamoun	IEEE 21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, 2016	Krakow	Poland	2016-05-09
16778	Robustness Optimization for Solving the Deployment of RFID Readers Problem	A. Raghil, B. Abou El Majd, O. Ouchetto	IEEE 5th International Conference on Multimedia Computing and Systems, 29 September - 1 October 2016.	Marrakech	Morocco	2016-09-29
16780	Multi-objective optimization approach for air traffic flow management	R. Fadil, B. Abou El Majd, H. Rahil, H. El Ghazi, and N. Kaabouch	International Workshop on Engineering and Supply Chain Engineering (IWTSCE'16)	Rabat	Maroc	2016-11-29
16782	A Middleware Architecture for RFID-	T. Bouhouche, A. Raghil, B. Abou El Majd, M.	International Workshop on Engineering and	Rabat	Maroc	2016-11-29

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	enabled traceability of air baggage	Bouya, M. Boulmalf	Supply Chain Engineering (IWTSCE'16)			
16784	Airline hub timetable and connectivity constraints: Multiobjective optimization of new route opening using Genetic algorithms	H. Rahil, B. Abou El Majd, M. Bouchoum	International Workshop on Engineering and Supply Chain Engineering (IWTSCE'16)	Rabat	Maroc	2016-11-29
16785	Modeling and optimization of maintenance and monitoring of multi-component systems	I. Mallouk, B. Abou El Majd	International Workshop on Engineering and Supply Chain Engineering (IWTSCE'16)	Rabat	Maroc	2016-11-29
16786	Decision Aid for the ground-remote monitoring based on multilateration	Y. Azima, B. Abou El Majd, H. El Ghazi	International Workshop on Engineering and Supply Chain Engineering (IWTSCE'16)	Rabat	Maroc	2016-11-29
16789	Resources Based Ontology Matching to access Access to Learning Resources	A. Elbyed	International Conference on Advances in Smart Learning Environments and Technologies	San Diego	Jan 21-22, 2016 in , USA	2016-01-21
16798	Système d'aide à la décision multimodale dans des conditions de circulation Instable	Hamilton Wilfried, Tarik nahhal	Colloque International de la Logistique et le Supply Chain Management.(Logistiqua 2016)	Berchid-Casablanca	Maroc	2016-05-19
16802	A Cooperative and Hybrid	Chiba, Z., Abghour, N.,	The 2nd International	Madrid	Espagne	2016-05-23

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	Network Intrusion Detection Framework in Cloud Computing Based On Snort and Optimized Back Propagation Neural Network	Moussaid, K., El omri, A., Rida, M	Workshop on Mobile Cloud Computing Systems, Management, and Security" (MCSMS-2016)			
16803	A Survey of Intrusion Detection Systems for Cloud Computing Environment	Chiba, Z., Abghour, N., Moussaid, K., El omri, A., Rida, M	2016 International Conference on Engineering & MIS (ICEMIS)	Agadir	Maroc	2016-09-22
16814	A Global Performance Analysis Methodology:Case of Cloud Computing and Logistics	6. Awatif Ragmani, Amina Elomri, Nouredine Abghour, Khalid Moussaid, Mohammed Rida	3 ème conférence Internationale IEEE« Logistics Operations Management GOL	Fez	Maroc	2016-05-23
16815	A Performed Load Balancing Algorithm for Public Cloud Computing Using Ant Colony Optimization	7. Awatif Ragmani, Amina Elomri, Nouredine Abghour, Khalid Moussaid, Mohammed Rida	2 ème conference Internationale IEEE « CloudTech 2016 »	Rabat	Maroc	2016-05-24
16826	An Improved Scheduling Strategy in Cloud Computing Using Fuzzy Logic	8. Awatif Ragmani, Amina Elomri, Nouredine Abghour, Khalid Moussaid, Mohammed Rida	Big Data and Advanced Wireless technologies (BDAW)	Blagoevgrad	bulgarie	2016-11-10
16828	The "Behavior, Interaction and Priority" FrameworkApplied to	5. Ismail ASSYAD, Tarik NAHHAL	13th ACS/IEEE International Conference on Computer Systems	Agadir	Maroc	2016-11-29

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	SystemC-based Embedded Systems		and Applications AICCSA 2016			
18107	Architecture of intelligent Transportation System based on Big Data	Hamilton W, Nahhal T, Aghezzaf B, Elbyed A	International Conference on Big Data and advanced Wireless technologies	Blagoevgrad	bulgarie	2016-08-24
18109	Multilevel MPSoC Performance Evaluation, ISS Model with Timing and Priority Management	Alali A, Assayad I, Sadik M	The International Symposium on Ubiquitous Networking	Casablanca	Maroc	2016-05-30
18207	New Hybrid algorithm for multi-objective structural optimization	El Moumen S, Rachid E, Rajae A	International conference on industrial Engineering and systems management, IEEE-IESM 2013	Rabat	Maroc	2013-10-28
20460	An Efficient Load Balancing Strategy Based on MapReduce for Public Cloud	Ragmani A., El OMRI A., Abghour N., Moussaid K., Rida M.	The second International Conference on Internet of Things, Data and Cloud Computing (ICC 2017)	Cambridge	United Kingdom	2017-03-22
20463	An intelligent scheduling algorithm for energy efficiency in cloud environment based on artificial bee colony	Ragmani A., El OMRI A., Abghour N., Moussaid K., Rida M.	2017 3rd International Conference of Cloud Computing Technologies and Applications (CloudTech)	Rabat	Morocco	2017-10-24
20651	Systematic verification of embedded components with re-usable properties	Assayad I., Eljadiri L., Zakari A.	2017 International Conference on Wireless Networks and Mobile	Rabat	Morocco	2017-11-01

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			Communications (WINCOM)			
20652	Adaptive Mapping for Multiple Applications on Parallel Architectures	Assayad I., Girault A.	The Third International Symposium on Ubiquitous Networking (UNet 2017)	Casablanca	Morocco	2017-05-09
20653	Verification of SystemC Components using the Method of Deduction. Advances in Ubiquitous Networking	Soumia E., Ismail A., Mohammed S.	The Third International Symposium on Ubiquitous Networking (UNet 2017)	Casablanca	Morocco	2017-05-09
20913	The MapReduce-based approach to improve vehicle controls on big traffic events	Adoni W. Y. H., Nahhal T., Aghezzaf B., Elbyed A.	2017 International Colloquium on Logistics and Supply Chain Management (LOGISTIQUA)	Rabat	Morocco	2017-04-27
20938	Data Mining Approaches for Alzheimer's Disease Diagnosis	Benyoussef E. M., Elbyed A., El Hadiri H.	International Symposium on Ubiquitous Networking (UNET 2017)	Casablanca	Morocco	2017-05-09
20940	MRA*: Parallel and Distributed Path in Large-Scale Graph Using MapReduce-A* Based Approach	Adoni W. Y. H., Nahhal T., Aghezzaf B., Elbyed A.	International Symposium on Ubiquitous Networking (UNET 2017)	Casablanca	Morocco	2017-05-09
22090	Parallel rapidly exploring random tree (RRT) based on MapReduce	El Majd Y. A., El Ghazi H., Nahhal T	2017 International Conference on Electrical and Information	Rabat	Morocco	2017-11-15

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			Technologies (ICEIT)			
22278	BigData and regulation in high frequency trading	Fikri N., Rida M., Abghour N., Moussaid K., El Omri A.	2017 International Conference on Cloud and Big Data Computing	London	United Kingdom	2017-09-17
22562	From Big data platforms to smarter solution, with intelligent learning:[PAV] 4-Pave the way for Intelligence	Fathi F., Abghour N., Ouzzif M.	2017 International Conference on Cloud and Big Data Computing	London	United Kingdom	2017-09-17
23229	The Mean-CVaR Model for Portfolio Optimization Using a Multi-Objective Approach and the Kalai-Smorodinsky Solution	Aboulaich R., Ellaia R., Elmoumen S., Habbal A., Moussaid N.	International Workshop on Transportation and Supply Chain Engineering (IWTSCE'16)	Rabat	Morocco	2016-11-29
26914	Novel Network IDS in Cloud Environment Based on Optimized BP Neural Network Using Genetic Algorithm	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	The Third International Conference on Smart City Application (SCA 2018)	Tetouan	Morocco	2018-10-11
26915	Novel Framework Based on Genetic Algorithm and Simulated Annealing Algorithm for Optimization of BP Neural Network Applied to Network IDS	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	The Third International Conference on Smart City Application (SCA 2018)	Tetouan	Morocco	2018-10-11
26916	Novel Framework Based	Chiba Z., Abghour N.,	International Symposium	Kenitra	Morocco	2018-11-22

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	on Genetic Algorithm and Simulated Annealing Algorithm for Optimization of Back Propagation Neural Network Applied to Network Intrusion Detection System	Moussaid, K., El omri, A., Rida, M.	on Advanced Electrical and Communication Technologies (ISAECT 2018)			
27057	Novel Hybrid Particle Swarm Optimization for Unconstrained Optimization Problem	Lakhabab, H.	International Conference on Applied Mathematics in Engineering (ICAME)	Balikesir	Turkey	2018-06-27
27061	Hybrid Nonmonotone Gradient Method For The Unconstrained Optimization Problem	Lakhabab, H.	Workshop International sur les Mathématiques et Applications (WIMA'17)	Mohammedia	Morocco	2017-10-21
27220	Conception of Intelligent Transportation System using IBM Big Data Solution	Adoni, W. Y. H., Nahhal, T., Aghezaf, B., Elbyed, A	1st International Congress on Information Technologies and Integrated Production Systems	Oujda	Morocco	2016-05-26
27411	A Deep Neural Network Classification Approach for Alzheimer's Disease diagnosis	Benyoussef EM., Elbyed A., El Hadiri H.	The Fourth International Conference on Machine Learning, Optimization, and Data Science	Volterra	taly	2018-09-13
27412	Designing CBR-BDI Intelligent Agent for Implementing Reverse	Lhafiane F., Elbyed A., Adam M.	International Conference on Advanced Intelligent Systems for Sustainable	Tangier	Morocco	2018-07-12

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Logistics System		Development (AI2SD'2018)			
27413	3D MRI Classification using KNN and Deep Neural Network for Alzheimer's Disease diagnosis	Benyoussef EM., Elbyed A., El Hadiri H.	International Conference on Advanced Intelligent Systems for Sustainable Development (AI2SD'2018)	Tangier	Morocco	2018-07-12
28285	Robust Many/Multi-Objectives Optimizations for Solving a 3D RNP Problem	Raghib, A., Abou Elmajd, B.	WIMA'17 « Workshop International sur les Mathématiques & Applications	Mohammedia	Morocco	2017-10-21
28702	From big data to better behavior in self-driving cars	Fathi, F., Abghour, N., Ouzzif, M.	2nd International Conference on Cloud and Big Data Computing, ICCBDC 2018	Barcelona	Spain	2018-08-03
28706	Dynamic airspace configuration: Review and open research issues	Hind, H., Omri, A.E., Abghour, N., Moussaid, K., Rida, M.	4th IEEE International Conference on Logistics Operations Management, GOL 2018;	Le Havre	France	2018-04-10
29135	Energy Efficiency Policies for Smart Digital Cloud Environment based on Heuristics Algorithms	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.	CLOSER 2018 8th International Conference on Cloud Computing and Services Science	Funchal-Madeira	Portugal	2018-03-19
29136	A Novel Green Service Level Agreement for Cloud Computing using Fuzzy Logic	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.	CLOSER 2018 8th International Conference on Cloud Computing and Services Science	Funchal-Madeira	Portugal	2018-03-19

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
29138	A Global Architecture for Performance Optimization in Cloud Computing Environment	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.	CLOSER 2018 8th International Conference on Cloud Computing and Services Science	Funchal-Madeira	Portugal	2018-03-19
29139	Predictive Fault-Tolerance Architecture in Cloud Computing based Machine Learning Algorithm	Ragmani A., El omri A., Abghour N., Moussaid K., Rida M.	MIC 2018 International Conference on Modern Intelligent Systems Concepts	Rabat	Morocco	2018-12-12
29202	A comparative study of join algorithms in MapReduce	Ezzaki F., Abghour N., El omri A., Moussaid K., Rida M.	The second International Conference on Smart Applications and Data Analysis for Smart Cities	Casablanca	Morocco	2018-02-27
29679	Platform for the systematic formal verification of embedded components in systemc and promela	Eljadiri L., Assayad I.	Afro-Mediterranean Conference on Multidisciplinary Research and Applications	Rabat	Morocco	2018-07-07
29681	Generic Verification of Safety Properties For SystemC Programs Using Incomplete Interactions	Eljadiri L., Assayad I., Zakari A.	The 2nd International Conference on Smart Digital Environment (ICSDE'18)	Rabat	Morocco	2018-10-18
29683	A platform for systematic verification of embedded components in IP-XACT, SystemC and Promela	Eljadiri L., Assayad I.	The 2nd International Conference on Smart Digital Environment (ICSDE'18)	Rabat	Morocco	2018-10-18
31843	A Middleware	Bouhouche T., Raghieb A.,	International Workshop	Rabat	Morocco	2016-11-29

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Architecture for RFID-enabled traceability of air baggage	El Majd B. A., Bouya M., Boulmalf M.	on Transportation and Supply Chain Engineering (IWTSCE'16)			
31844	Multi-objective optimization approach for air traffic flow management	Fadil R., El Majd B. A., Rahil H., El Ghazi H., Kaabouch N.	International Workshop on Transportation and Supply Chain Engineering (IWTSCE'16)	Rabat	Morocco	2016-11-29
31845	A Novel Hybrid Approach for Optimizing the Localization of Wireless Sensor Networks	Lakhabab H.	International Workshop on Transportation and Supply Chain Engineering (IWTSCE'18)	Rabat	Morocco	2018-05-08
31846	Multi-Objective Decision Aid Application for RFID Network Planning	Raghib A., El Majd B. A.	International Workshop on Transportation and Supply Chain Engineering (IWTSCE'18)	Rabat	Morocco	2018-05-08
31994	A Hybrid Optimization Framework Based on Genetic Algorithm and Simulated Annealing Algorithm to Enhance Performance of Anomaly Network Intrusion Detection System Based on BP Neural Network	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	International Symposium on Advanced Electrical and Communication Technologies" ISAECT 18	Kénitra	Maroc	2018-11-21

*Communications nationales

ID	Intitulé	Auteurs	Conférence	Ville	Date
7596	L'optimisation de la distribution GMS au Maroc	BENASSOU, Y., Nahhal T.	Premier Workshop sur l'ingénierie des Systèmes de Transport et Logistique	Casablanca	2013-11-16
7609	Implémentation physique, Simulation et estimation de performances des systèmes multiprocesseurs (MPSoC).	A. Alali, I. Assayad, M. Sadik.	Journée Sciences de l'Ingénieur Université Hassan II Mohammedia	Casablanca	2013-01-17
9071	Survey of multiobjective optimization techniques applied to engineering problems	M. Hachimi , A. Tahaa , B. Aghezzaf	Agadir School on Numerical Methods in Engineering	Agadir	2015-10-19
9081	Une nouveau modèle pour le problème d'orientation en équipes avec fenêtres de temps et contraintes multiples	B . Aghezzaf, H. El Fahim	2ème édition du colloque de Mathématiques appliquées à la santé et aux sciences de l'ingénieur et à la finance (MASSIF)	Casablanca	2015-04-16
9096	Génération de l'ensemble exact de Pareto pour le problème de tournées de véhicules avec gains,	Soumaya Ait Bouziaren et Brahim Aghezzaf	WISTL'13	Casablanca	2013-10-26
9109	Optimisation en transport et Logistique	B. Aghezzaf, H. El Fahim	1ère Edition MASSIF	Casablanca	2014-04-14
9111	Le problème du voyageur de commerce suffisamment proche avec fenêtre du temps : Nouvelle formulation & Méthode de résolution	Soukaina Semami, Brahim aghezzaf, Mohamed Bouchoum	WISTL'14.	Casablanca	2014-10-26

ID	Intitulé	Auteurs	Conférence	Ville	Date
9113	A new approach for the selective vehicle routing problem with time windows	B. Aghezzaf, H. El Fahim	WISTL'2013	Casablanca	2013-10-26
9114	A variable neighborhood search algorithm for the orienteering problem with time windows	B. Aghezzaf, H. El Fahim	Journées doctorales en systèmes d'information, réseaux et télécommunications (JDSRT'13), ENSIAS	Rabat	2013-06-27
9118	Problème de dispatching des véhicules sur l'espace de stockage vertical de Marsa Maroc	A. Wilfried and A. Elbyed	WISTL'14	Casablanca	2014-10-26
9119	Approche Sémantique pour la Gestion des Connaissances Logistique en contexte de « Reverse Logistique	F. Lhafiane, A. Elbyed and M. Bouchoum	WISTL 2013	Casablanca	2013-10-26
9222	The Mean-CVaR model for portfolio optimization using a Multi-Objective Approach and Kalai-smorodinsky solution	Samira El moumen	10 ^{ème} édition des Journées d'Analyse Numériques & Optimization	Essaouira	2013-10-31
9545	Outil d'aide à la planification pour optimiser l'affectation des points de stationnement des avions	Badr Abou El Majd	ROADEF'15	Marseille, France	2015-02-19
22277	A Machine Learning Strategy for Electricity Demand Forecasting with Big Data	Mahmoud Zyate. M, Moussaid. K	Journée scientifique Méthodes numériques et aide à la décision	Khouribga	2017-05-20

ID	Intitulé	Auteurs	Conférence	Ville	Date
26919	New Network IDS in Cloud Environment Based on Optimized Back Propagation Neural Network Using Genetic Algorithm	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
26920	A Novel Framework Based on Genetic Algorithm and Simulated Annealing Algorithm for Optimization of BPNN Applied to NIDS	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
26921	Novel Intelligent Approach to Build Automatically A Deep Neural Network Based IDS for Cloud Environment Using an Optimized Genetic Algorithm	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	Journée Doctorale en Informatique pour l'Aide à la Décision (JDIAD'18)	Casablanca	2018-12-06
27226	Neodoop : Parallel and Distributed Framework for High Performance Computing on Large-Scale Graph	Adoni, W. Y. H., Nahhal, T., Aghezzaf, B., Elbyed, A.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
27423	The ETSP problem: New Formulation & Exact Solution procedures	SEMAMI S., ELBYED A.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
27425	Coordinating Agent System for Reverse Logistics	Adam M., Lhafiane. F., Elbyed A.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
27427	Multimodal Decision Support System for Urban Mobility	LARIOUIJ., ELBYED A.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
27428	3D MRI Classification using Deep Neural Network for Alzheimer's Disease diagnosis	Benyoussef EM., Elbyed A., El Hadiri H.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
27430	Decision-Making in Multi-Agent Systems for Reverse Logistics	Adam M., Lhafiane. F., Elbyed A.	Journée Doctorale en Informatique pour l'Aide à la Décision, JDIADI'18	Casablanca	2018-12-06
27431	The Close Enough Traveling Salesman Problem Formulation and Resolution Approach	SEMAMI S., ELBYED A., AGHEZZAF I.	Journée Doctorale en Informatique pour l'Aide à la Décision, JDIADI'18	Casablanca	2018-12-06
27432	A Deep Neural Network Classification Approach for Alzheimer's Disease diagnosis	Benyoussef EM., Elbyed A., El Hadiri H.	Journée Doctorale en Informatique pour l'Aide à la Décision, JDIADI'18	Casablanca	2018-12-06
27433	A Multi-Agent Information System for Multi-modal Transportation	LARIOUIJ., ELBYED A.	Journée Doctorale en Informatique pour l'Aide à la Décision, JDIADI'18	Casablanca	2018-12-06
27434	Using Colored Petri Net to Model Agent Negotiation for Reverse Logistics System Management	Lhafiane F., Elbyed A.	Journée Doctorale en Informatique pour l'Aide à la Décision, JDIADI'18	Casablanca	2018-12-06
28630	Big Data et le contrôle de la pollution de l'air	Souilkat A., Moussaid K., Abghour N., Rida M., El omri A.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
28632	Electric Load Forecasting using Apache Spark on a Hadoop Cluster	Zyate M., Abghour N., Moussaid K., El omri A., Rida M.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
28635	Configuration dynamique de	Hassini H., El omri A., Abghour	Sixième Journée des Sciences	Casablanca	2018-04-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
	l'espace aérien	N., Moussaid K., Rida M.	de l'Ingénieur JSI 2018		
28636	Performance Optimization in Cloud Computing	RAGMANI A., El omri A., Abghour N., Moussaid K., Rida M.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
28639	Gestion des Données Territoriales Massives	EDKHAILI A., Abghour N., Moussaid K., El omri A., Rida M.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
29200	A proposed approach for transportation and logistics management based on Big Data and IoT analysis	AL KADERI F., RIDA M., KOULALI R.	Journée Doctorale en Informatique pour l'Aide à la Décision (JDIAD'18)	Casablanca	2018-12-06
29686	La vérification formelle systématique des composants embarqués en SystemC et Promela	Eljadiri L., Assayad I.	Sixième Journée des Sciences de l'Ingénieur JSI 2018	Casablanca	2018-04-28
29689	Plate-forme de la vérification formelle de la FIFO et du BUS AMBA AHB en SystemC et Promela	Eljadiri L., Assayad I.	Journée Doctorale en Informatique pour l'Aide à la Décision (JDIAD'18)	Casablanca	2018-12-06

*Ouvrages

ID	Intitulé	Auteurs	Editeur	Date
7616	Optimisation de Forme Paramétrique : Stratégies hiérarchiques, adaptatives, et	Abou El Majd B	Éditions universitaires européennes,	2015

ID	Intitulé	Auteurs	Editeur	Date
	concourantes			
10588	New Approaches For Tackling Thomson Problem	H. LAKHBAB , S. EL BERNOUSSI, A. EL HARIF	LAP LAMBERT Academic Publishing	2013
10811	SW/HW Modelling and Analysis for Multiprocessor Embedded Systems: Methodology, tools and case studies	Assyad I	Verlag Dr.Muller	2012

*Chapitres d'ouvrage

ID	Intitulé chapitre	Auteurs	Ouvrage	Editeur	Date
20892	An Optimal Deployment of Readers for RFID Network Planning Using NSGA-II	Raghib A., El Majd B. A., Aghezzaf B.	Recent Developments in Metaheuristics	Springer, Cham	2017
20895	Optimized Air Routes Connections for Real Hub Schedule Using SMP SO Algorithm	Rahil H., El Majd B. A., Bouchoum M.	Recent Developments in Metaheuristics	Springer, Cham	2017
26918	A Review of Intrusion Detection Systems in Cloud Computing	Chiba Z., Abghour N., Moussaid, K., El omri, A., Rida, M.	Security and Privacy in Smart Sensor Networks	IGI Global	2018
27414	3D MRI Classification using KNN and Deep Neural Network for Alzheimer's Disease diagnosis	Benyoussef EM., Elbyed A., El Hadiri H.	Advanced Intelligent Systems for Computing Sciences	Springer	2018

ID	Intitulé chapitre	Auteurs	Ouvrage	Editeur	Date
27415	Designing CBR-BDI Intelligent Agent for Implementing Reverse Logistics System	Lhafiane F., Elbyed A., Adam M.	Advanced Intelligent Systems for Computing Sciences	Springer	2018

*Brevets

ID	Intitulé	Auteurs	Contexte	Champs d'application	Date
9527	Contrôle de distribution de charge statique d'avion	Bouya, B. Abou El Majd, and A. B. Abdellah	N	Aeronautique	2013-11-25
9532	Système de traçabilité et de contrôle de présence des étudiants en utilisant la technologie RFID	M. Bouya, B. Abou El Majd, and T. Bouhouche	N	Aéroportuaire	2013-11-25
9538	Système de traçabilité des entrées sorties des moyens informatique en utilisant la technologie RFID	M. Bouya, B. Abou El Majd, and T. Bouhouche	N	aéroportuaire	2013-11-25

*Prix et distinctions

ID	Intitulé	Auteurs	Événement	Organisme	Date
7392	Best Paper Award	NAHHAL T., Assyad I	3rd International Conference of Software Engineering & Computer	Universiti Malaysia Pahang and held in Gambang, Pahang,	2013-08-20

ID	Intitulé	Auteurs	Evénement	Organisme	Date
			Systems	Malaysia,	

*Thèses en cours

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3977	JIHAN LARIOUI	Approche intelligente pour la prise de décision dans le contexte de la Mobilité Urbaine	ELBYED Abdeltif	2017
2145	Raghib Abdelkader	Etude de la robustesse en optimisation multiobjectif évolutionnaires avec un grand nombre d'objectifs: application en logistique et transport	MOUSSAID Khalid	2013
1079	Youness aboujmajd	Big data et sécuruté des systèmes	NAHHAL Tarik	2015
3978	MOUHCINE ADAM	Interopérabilité des Ressources Educatives	ELBYED Abdeltif	2017
2150	Ait bouziaren soumaya	Problème de voyageur de commerce avec profit: Application en Transport et Logistique	MOUSSAID Khalid	2013
1080	Zineb	plateforme Parallèle pour la simulation RRT	NAHHAL Tarik	2015
3979	ABDELLATIF EDKHAILI	Gestion des données territoriales massives : Big Data territorial	MOUSSAID Khalid	2017
2233	Bousfiha Fayçal	Une Architecture Sécurisée pour les Réseaux SDN	ELOMRI Amina	2015
1111	Abdelhakim Alal	Plateforme de simualtion MPSOC multi-niveaux en SystemC/TLM	Ismail Assyad	2013

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3980	NADIA BOUTAHER	Optimisation d'algorithmes de ML dans un contexte Big Data	ELOMRI Amina	2017
3981	FARAH AL KADERI	Analyse de l'internet des objets appliqué au Big Data	REDA Mohamed	2017
3345	FADIL RABII	La détection précoce du cancer du sein : Algorithme de super-résolution en vue de détection des micro-calcifications par imagerie ultrason	ABOU EL MAJD Badr	2016
1388	Fatima Zahra BAJI	Ingénierie Dirigée par les Modèles (MDA)	MOUSSAID Khalid	2014
3982	ILHAM BOULAHNA	Le Big Data pour le transport	REDA Mohamed	2017
3346	MALLOUK ISSAM	Modélisation et optimisation de la maintenance des véhicules industriels	ABOU EL MAJD Badr	2016
1389	Layla Ghamrane	Optimisation des performances des réseaux mobiles 4G	MOUSSAID Khalid	2014
3983	WALID LAHNINE	Un système Big Data pour la gestion de la consommation de carburant	ABGHOOR Noredine	2017
3347	BENYOUSSEF EL MEHDI	l'analyse sémantique et intelligente pour le diagnostic de la Maladie d'Alzheimer	BOUCHOUM Mohammed	2016
1390	kaoutar El mezzioui	Optimisation du transport multimodal	MOUSSAID Khalid	2014
3984	SAWSSANE NADIR	Le Big Data pour la logistique	ABGHOOR Noredine	2017
3348	LAMIA ELJADIRI	Vérification formelle des systèmes embarqués en SystemC/SPIN	Ismail Assyad	2016
1391	Zouhair Chiba	La Sécurité dans le Cloud Computing	MOUSSAID Khalid	2014

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3349	BRAHIM LAZZOUZI	Modélisation formelle et analyse énergétique des systèmes embarqués	Ismail Assyad	2016
1392	Tawfiq Zaitouni	Étude et optimisation des performance des réseaux 4G	MOUSSAID Khalid	2014
5412	KHADIJA AHAI DOUS	Utilisation des algorithmes machine Learning et Deep Learning pour l'analyse des données massives	MOUSSAID Khalid	2018
3350	BENRIYENNE SALWA	Simulation parallèle et multi-niveaux de systèmes embarqués	Ismail Assyad	2016
1393	Amine Lamkaouar	Modélisation et Optimisation des processus de manutention dans les terminaux à conteneurs	ELOMRI Amina	2014
5413	MOHAMED ANASS AMALLAH	Sécurité dans le Cloud	ABGHOUR Noredine	2018
3351	BOUCHRA ELOUAHIDI	Cyber security modeling for SCADA systems	NAHHAL Tarik	2016
1394	Rachida Najem	Modélisation MDA et Big Data	ELOMRI Amina	2014
5414	RYME BENDJENNAT	Méthodes de discrimination et parallélisme	ABGHOUR Noredine	2018
3352	SAMIA BRABIJE	Optimisation de la logistique dans le cadre de l'économie circulaire	NAHHAL Tarik	2016
1395	Awatif Ragmani	Optimisation des performances dans le Cloud Computing	ELOMRI Amina	2014
5415	IMAD ATTOURI	Utilisation des algorithmes du machine learning pour la gestion des risques	REDA Mohamed	2018
3353	EL MEDIANI BADR	Gestion des données massives de l'Aviation Civile	MOUSSAID Khalid	2016

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
5416	ISMAIL HAMINE	Gestion de l'allocation des ressources dans les clusters hadoop sous des contraintes de performances	Ismail Assyad	2018
3354	ZYATE MAHMOUD	Moteur Big Data pour le suivi et la prédiction de la consommation de l'énergie	MOUSSAID Khalid	2016
1547	Abdelali El Bouchti	Machine Learning, Game Theory and Applications to Islamic Finance and Risk Management	NAHHAL Tarik	2015
3355	SOUILKAT ANASS	Big Data et contrôle de la pollution urbaine	MOUSSAID Khalid	2016
1549	Hamilton Wilfried	plateforme intelligente pour le transport	NAHHAL Tarik	2014
3356	MAMDOUH SARA	Schéma d'Autorisation distribuée pour le Cloud Computing	MOUSSAID Khalid	2016
1864	El Fahim Hassan	Problème de Team Orienteering Problème avec fenêtre de temps	MOUSSAID Khalid	2010
3357	HASSINI HIND	Gestion du trafic aérien	ELOMRI Amina	2016
2133	El Hafiane Fatima	Exploration Sémantique des Données Logistique	BOUCHOUM Mohammed	2012
3358	EZZAKI FATIMA ZAHRA	Optimisation des Algorithmes de jointure dans un contexte Big Data	ELOMRI Amina	2016
2135	Rahil Hicham	Introduction des méthodes d'optimisation multiobjectif dans les environnements incertains :Application aux heubes aériens	BOUCHOUM Mohammed	2013
3359	FIKRI NOUSSAIR	Big Data au service de la Finance	REDA Mohamed	2016

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
2137	Semmami Soukaina	Optimisation de la collecte de données dans un réseau de capteurs	BOUCHOUM Mohammed	2013
3360	TAMIM BASMA	Transport Intelligent pour l'Amélioration du Trafic Urbain	REDA Mohamed	2016
2139	Rizki Hasnaa	problème du Top bi-objectif en transport et logistique	MOUSSAID Khalid	2012
3976	TARIK TAOUS	CNN à grande échelle et Application	NAHHAL Tarik	2017
2140	Dioury Karim	La logistique urbaine	MOUSSAID Khalid	2014

*Thèses soutenues

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
3332	Hassan El Fahim	Planification Opérationnelle en Transport et Logistique :Organisation des tournées avec fenêtres de Temps et Profits	MOUSSAID Khalid	2010	2016-07-26
1387	Fatima-Zahra AMMOR	Adaptation de l'assistance du parcours pédagogique basée sur l'analyse des interactions de l'apprenant	ELOMRI Amina	2010	2015-07-21

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
4227	Hasnaa REZKI	Optimisation combinatoire multi-objectif : Métaheuristiques hybrides appliquées aux problèmes d'orientation bi-objectif	BOUCHOUM Mohammed	2012	2017-07-15
1469	Wafaa Dachry	Architecture des Systèmes d'Informations collaboratifs et application en Logistique	MOUSSAID Khalid	2008	2013-06-21
6386	Pr. Noredine ABGHOOR	Habilitation: Contribution à l'amélioration des protocoles déployés dans les systèmes collaboratifs et mobiles	ABGHOOR Noredine	2012	2016-12-26
6387	Pr. Mohamed Rida	Habilitation: Modélisation et optimisation dans les systèmes de transport	REDA Mohamed	2011	2015-11-28
6388	Pr. Abdeltif ELBYED	Habilitation: Environnements interactifs de coopération intelligente et sémantique	ELBYED Abdeltif	2013	2017-06-06
6416	Pr. Badr ABOU ELMAJD	Habilitation: Contribution à l'optimisation de forme paramétrique et la calibration des modèles réduits	ABOU EL MAJD Badr	2012	2016-01-07