



**Production scientifique  
 2012-2015  
 Recherche et innovation informatique**

**\* Projets internationaux financés**

ID	Intitulé	Responsable	Année
376	e-PTC : une plateforme pour optimiser et favoriser l'usage des transports collectifs	Roni Drazi, Amir Hajjami, Abderrahim Sekkaki	2017

**\*Publications indexées**

ID	Intitulé	Année	Journal	Auteurs
2829	Ontology-oriented e-gov services retrieval	2012	International Journal of Computer Science	Hassania Ouchetto, Ouail Ouchetto and Ounsa Roudiès

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2831	Knoweldge management For e-gov projets in Africa countries	2012	International Journal of Research management	Hassania Ouchetto, Ismailia Hassoumi, Ouail Ouchetto, Ounsa Roudiès
2834	Relavance Banking for services Retrieval	2012	Journal of computer sciences	Ouail Ouchetto, Hassania Ouchetto and Ounsa Roudiès
2839	Semantic integration process of business components through ontology alignment	2012	Journal of Software	Hicham Elasri, Abderrahim Sekkaki
2841	Background Ontology Used in Ontologies Alignment to Support Integration Process of Business Components	2013	International journal of Applied Mathematical Sciences	H Elasri, A Sekkaki
2843	Homogenization of Maxwell's Equations in Lossy Biperiodic Metamaterials	2013	Antennas and Propagation, IEEE Transactions	Ouchetto, O. ; Ouchetto, H.; Zouhdi, S.; Sekkaki, A.
2844	A Model-Driven Methodology Approach for E-learning Platform Development	2013	International Journal of Information and Education Technology	Rachid DEHBI, Mohamed TALEA and Abderahim TRAGHA
2845	IP MULTIMEDIA SUBSYSTEM: SECURITY EVALUATION	2013	Journal of Theoretical and Applied Information Technology	Belmekki E.; Bellafkih M.; Bouaouda N.; Rouayane B.
2847	A One Round-Trip Ultralightweight Security Protocol for Low-Cost RFID Tags	2013	Journal of Green Engineering	W. Razouk and A. Sekkaki
2849	Survey : Risk Assessment for Cloud Computing	2013	International Journal of Advanced Computer Science and Applications	Saadia Drissi, Hanane Houmani and Hicham Medromi.

ID	Intitulé	Année	Journal	Auteurs
2852	End-to-End Architecture for E-commerce Security.	2013	Journal of Communication and Computer	Houssam El Ismaili, Hanane Houmani and Adil Lebbat.
2855	Secure End to End Architecture for E-Commerce Security-Oriented Transaction	2013	Journal of Communication Computer	Houssam El Ismaili, Hanane Houmani and Hicham Medromi
2857	Updating RM-ODP by integration of SOA and cloud computing	2013	Journal of Theoretical and Applied Information Technology	Jebbar, M. Benammar, O. Sekkaki, A.
2858	Semantic integration process of business components to support information system designers	2013	International Journal of Web & Semantic Technology	Hicham Elastris and Abderrahim Sekkaki
2859	Providing Anonymity for RFID Systems	2013	Journal of Information and Communication Technologies	Wissam Razouk, Ferucio Laurentiu Tipla, Abderrahim Sekkaki and Cosmin Varlan
2860	Hybrid Method for Automatic Ontology Building from Relational Database	2013	International Review on Computers and Software	M. R. Chbihi Louhdi, H. Behja & S. Ouatik El Alaoui,
2861	A Case Study of using RM-ODP in mobile cloud computing applications	2013	International Review on Computers and Software	Jebbar, M. Sekkaki, A. Benammar, O
2862	A Novel Method for Generating an e-Learning Ontology	2013	International Journal of Data Mining & Knowledge Management Process	M. R. Chbihi Louhdi, H. Behja, S. Ouatik El Alaoui,
2864	The generation approach of Multi-target learning management system.	2013	Journal of Advanced Science Letters	Rachid Dehbi, Mohamed Talea and Abderahim Tragha
2865	MDA-based transformation of LMS Business Components: The contribution of XML technologies and	2013	International Journal of Enterprise Information Systems	Rachid Dehbi, Mohamed Talea and Abderahim Tragha

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	model transformations			
2867	Detection of Regions of Interest in Mammograms by Using Local Binary Pattern and Dynamic K-Means Algorithm	2014	International Journal of Image and Video Processing: Theory and Application	Abdelali Elmoufidi, Khalid El-Fahssi, Said Jai-Andalousi, Abderrahim Sekkaki
2868	A Secure Electronic Transaction Payment Protocol Design and Implementation	2014	International Journal of Advanced Computer Science and Applications	Houssam El Ismaili, Hanane Houmani and Hicham Madromi.
2870	Feature extraction of the lesion in mammogram images using segmentation by minimizing the energy and orthogonal transformation adaptive	2014	WSEAS Transactions on Biology and Biomedicine	El Fahssi, K.,Elmoufidi, A.,Abenaou, A.,Jai-Andalousi, S.,Sekkaki, A
2871	Securing the Payment Card Data on Cloud environment: Issues & perspectives	2014	International Journal of Computer Science and Network Security	H. EL ALLOUSSI, L. FETJAH, A. CHAICHAA,
2872	Evaluate dynamic Kmeans algorithm for automatically segmented different breast regions in mammogram based on density by using seed region growing technique	2015	Journal of Theoretical and Applied Information Technology	Elmoufidi, A.,El Fahssi, K.,Andalousi, S.J.,Sekkaki, A.
2873	Security policies matching through ontologies alignment to support security experts	2015	Journal of Theoretical and Applied Information Technology	Benammar, O.,Elasri, H.,Jebbar, M.,Sekkaki, A.
2875	An advanced comparative study of the most promising NoSQL and	2015	Journal of Theoretical and Applied Information Technology	Omar Hajoui, Rachid Dehbi, Mohammed Talea, Zouhair Ibn

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	NewSQL databases with a multi-criteria analysis method.			Batouta
2876	Multi-criteria analysis and advanced comparative study between automatic generation approaches in software engineering	2015	Journal of Theoretical and Applied Information Technology	ZOUHAIR IBN BATOUTA, RACHID DEHBI, MOHAMMED TALEA, OMAR HAJOU, I,
2879	Ensuring Confidentiality in Cryptographic Protocols with the Witness-Functions	2015	International Journal of Computer and Communication Engineering	Jaouhar Fattahi, Mohamed Mejri, Moeiz Miraoui and Hanane Houmani.
2880	Strengthen Cloud Computing Access Control with Attribute Based Encryption using anonymous Re-encryption proxy	2015	International Journal of Engineering Research & Technology (	N. Meddah, A.Toumanari, L.Fetjah
2882	Introduction to the Witness Functions for Secrecy in Cryptographic Protocols	2015	International Journal of Modeling and Optimization	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.
2883	Autonomous system for network monitoring and service correction in IMS Architecture	2015	International Journal of Computer Science & Applications	Mohammed Errais, Mostafa Bellafkih, Daniel Ranc,
2884	Fréquence domaine Homogénéisation des équations de Maxwell en milieux complexes	2015	Journal international d'Ingénierie et de la modélisation mathématique,	Ouail Ouchetto et Brahim Essakhi
14985	Technical and Semantic Interoperability in the Cloud Broker	2016	International Journal of Computers	• ABDESSELAM OUARDI, ABDERRAHIM SEKKAKI, DRISS MAMMASS
15938	Students' Perception About Mobile	2016	International Journal of Interactive	Youness Zidoun, Fatima-Zohra El

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	Learning in Morocco: Survey Analysis		Mobile Technologies (ijIM)	arroum, Mohamed Talea, Rachid Dehbi
15941	Model-based architecting and model driven approaches in e-learning system development process: Review of lmsgenerator	2016	Journal of Theoretical and Applied Information Technology	Rachid Dehbi
15942	Selection of commercial and open source LMS: Multi-criteria analysis and advanced comparative study	2016	International Journal of Applied Engineering Research	Bakhouyi, A., Dehbi, R., Talea, M., Batouta, Z.I.
16335	TOWARDS AN INTER-CLOUD ARCHITECTURE ADAPTED TO THE HEALTH FIELD	2016	Journal Of Theoretical And Applied Information Technology	ABDESSELAM OUARDI, ABDERRAHIM SEKKAKI, DRISS MAMMAS
17907	Homogenization of Periodic Structured Materials With Chiral Properties	2016	IEEE Transactions on Antennas and Propagation	Ouail Ouchetto; Badr Abou El Majd; Hassania Ouchetto; Brahim Essakhi; Saïd Zouhdi
21213	Model Driven Engineering Applied in E-Learning Development Process: Advanced Comparative Study with ROC Multi-Criteria Analysis	2017	International Journal of Online Pedagogy and Course Design	Rachid Dehbi
21217	Enhanced QoS Management SDN-Based in IMS with QoE Evaluation	2017	Journal of Mobile Multimedia	Sara Khairi, Brahim Raouyane, Mostafa Bellfakih
21272	Homogenization of Bi-Isotropic Multilayered Metamaterial Structures	2017	IEEE Transactions on Nanotechnology,	Ouail Ouchetto; Brahim Essakhi; Saïd Jai-Andaloussi; Saad Zaamoun
29370	Generative matching between heterogeneous meta-model systems based on hybrid heuristic	2018	Journal of Information Technology Research	Ibn Batouta, Z., Dehbi, R., Talea

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29371	A logical approach for real time big data analytics on heterogeneous NoSQL databases	2018	International journal of engineering & technology	Hajoui.O, Dehbi, R., Talea,M
29372	An Approach for Big Data Analytics on Heterogeneous NoSQL DBaaS	2018	International Journal of Software Innovation (IJSI), IGI Global,	Omar Hajoui , Dehbi, R., M Talea, Ibn Batouta, Z ."
29373	An Approach to Data Interoperability for NoSQL Databases	2018	Journal of Engineering and Applied Sciences	Omar Hajoui , Dehbi, R., M Talea , Z Ibn Batouta, A. Bakhouyi
29374	Multi-Criteria Analysis and Advanced Comparative Study between M-learning Development Approaches	2018	International Journal of Interactive Mobile Technologies , ijIM 12(3): 38-51 (2018)	Zidoun, Y., Talea, M., & Dehbi, R.
29375	Anomaly classification in digital mammography based on multiple-instance	2018	learning IET Image Processing Journal	Abdelali Elmoufidi, Khalid El Fahssi, Said Jai-andaloussi, Abderrahim Sekkaki, Quellec Gwenole, Mathieu Lamard
29376	Semantic integration of UML class diagram with semantic validation on segments of mappings	2018	Software Engineering	• Hicham Elasri, Elmoustapha Elabbassi, Abderrahim Sekkaki, Muhammad Fahad
29387	Homogenization of periodic bi-isotropic composite materials	2018	Waves in Random and Complex Media	OUCHETTO, Ouail et ESSAKHI, Brahim
29388	Handling periodic boundary conditions on arbitrary mesh	2018	IET Microwaves, Antennas & Propagation	OUCHETTO, Ouail, ESSAKHI, Brahim, JAI-ANDALOUSSI, Said
29973	Impact of Security in QoS Signaling in NGN: Registration Study	2018	International Journal of Advanced Computer Science and Applications(ijacsa	RAOUYANE Brahim, BELMEKKI Elmostafa, KHAIRI sara and BELAFKIH mostafa,

## \*Communications internationales

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
3027	Integration of SOA and Cloud computing in RM-ODP	Mostafa JEBBAR , Othman BENAMMAR and Abderrahim SEKKAKI	IEEE SETIT 2012, Science of Electronics, Technologies of Information and Telecommunications	Sousse	Tunisie	2012-03-21
3028	QoS in the MPLS-DiffServ network	Saika, A.; Kouch, R.E.; Rayouane, B.; Bellafkih, M.	IEEE SETIT 2012, Science of Electronics, Technologies of Information and Telecommunications	Sousse	Tunisie	2012-03-21
3031	Semantic Matching of Security Policies to Support Security Experts	Othman Benammar, Hicham Elasri, Abderrahim Sekkaki	The Sixth International Conference on Emerging Security Information, Systems and Technologies, SECURWARE	Rome	Italie	2012-08-19
3032	Towards an Intelligent System for Self- Correction of QoS in IMS Network	ERRAIS M., RANC D., BELLAFKIH M.	6 th International Conference on Next Generation Mobile Applications, Services and technologies	Paris	France	2012-09-12
3033	Inter-VM packet inspection in Cloud Computing	S. Khoudali, K. Benzidane and A. Sekkaki	5th International Conference on Communications, Computers and Applications	Istanbul	Turquie	2012-10-12



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3034	An Improved Ultralightweight Security Protocol for Low-cost RFID Tags	Wissam Razzouk and Abderrahim Sekkaki	The 7th IEEE International Conference on Broadband and Biomedical Communications	Sydney	Australie	2012-11-05
3035	Autonomous Agent-based Inspection for inter-VM traffic in Cloud environment	K. Benzidane, S. Khoudali and A. Sekkaki	The 7th IEEE International Conference for Internet Technology and Secure Transaction	London	Angleterre	2012-12-10
3036	A Model-Driven Methodology Approach for E-learning Platform Development	Rachid Dehbi, Mohamed Talea and Abderahim Tragha	. International Conference on Information and Education Technology	Bruxelles	Belgique	2013-01-12
3037	End-to-End Architecture for E-commerce Security	Houssam El Ismaili, Hanane Houmani and Adil Lebbat.	Proceeding of the Second International Conference on e-Technologies and Networks for Development	Kuala Lumpur	Malaisie	2013-03-04
3038	Toward a secure virtual traffic in a cloud environment	Benzidane, Karim ; Khoudali, Saad ; Leila, Fetjah ; Sekkaki, Abderrahim	IEEE Security Days (JNS3)	Rabat	Maroc	2013-05-04
3039	Lightweight real-time decoding of video on J2ME devices	Madrane, Nabil ; Sekkaki, Abderrahim ; Jai-Andaloussi, Said	20th IEEE International Conference on Telecommunications	Casablanca	Maroc	2013-05-06
3040	Medical content based image retrieval by using	Jai-Andaloussi, Said ; Elabdouli, Abdeljalil	20th IEEE International Conference on	Casablanca	Maroc	2013-05-06

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	the Hadoop framework	;Chaffai, Abdelmajid ; Madrane, Nabil ; Sekkaki, Abderrahim	Telecommunications			
3041	Toward inter-VM visibility in a Cloud environment using packet inspection	Benzidane, Karim ; Khoudali, Saad ; Leila, Fetjah ; Sekkaki, Abderrahim	20th IEEE International Conference on Telecommunications	Casablanca	Maroc	2013-05-06
3042	Mass segmentation in mammograms by using Bidimensional Emperical Mode Decomposition BEMD	Jai-Andaloussi, Said ; Sekkaki, Abderrahim ; Quellec, Gwenole ; Lamard, Mathieu ; Cazuguel, Guy ; Roux, Christian	35th IEEE Annual International Conference Engineering in Medicine and Biology Society (EMBC)	Osaka	Japon	2013-07-02
3043	Architecting Mobile cloud computing application by RM-ODP	Jebbar, M. Sekkaki, A. Benammar, O.	IEEE Proceeding of Science and Information Conference	London	Angleterre	2013-09-10
3044	Toward agent based inter- VM traffic authentication in a Cloud environment	Benzidane, Karim ; Khoudali, Saad ; Sekkaki Abderrahim	10th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services	Tokyo	Japon	2013-12-02
3045	Mass segmentation in mammograms using energy minimization and proposed a method for classification and detection the lesion	Khalid El Fahssi, Abdenbi Abenaou, Said Jai- Andaloussi Abderrahim Sekkaki	The International Conference on Systems, Control, Signal Processing and Informatics	Praque	Tchecoslovaq uie	2014-04-02

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3046	Towards a new approach for securing IMS networks	Belmekki E.; Raouyane B.; Bellafkih M.; Bouaouda N.	Conference on Intelligent Systems and Control	Vancouver	Canada	2013-04-17
3047	Transformation Rules for Building OWL Ontologies from Relational Databases	M. R. Chbihi Louhdi, H. Behja & S. Ouatik El Alaoui	the Second Conference of Data Mining & Knowledge Management Process	Paris	France	2013-11-01
3048	Detection of Regions of Interest in Mammograms by Using K-Means Clustering Algorithm and Co-occurrence Matrix Technique	Abdelali Elmoufidi, Said Jai-andaloussi, Nabil Madrane, Abderrahim Sekkaki and Khalid El Fahssi	The Fifth International Conference on Next. Generation Networks & services	Casablanca	Maroc	2014-05-28
3049	Toward an Elastic, Scalable and Distributed Monitoring Architecture for Cloud Infrastructures	Khoudali Saad, Karim Benzidane, Abderrahim Sekkaki and Mohamed Bouchoum	The Fifth International Conference on Next. Generation Networks & services	Casablanca	Maroc	2014-05-28
3050	Mass segmentation in mammograms based on the minimisation of energy and active contour model	Khalid El fahssi, Abdelali Elmoufidi, Abdenbi Abenaou, Said-Jai Andaloussi, Abderrahim Sekkaki	The IEEE International Symposium on Medical Measurements and Applications	Lisbon	Portugal	2014-06-11
3051	NSIS-based quality of service management in IMS network	TAAM, A. ; OUMSIS, M. ; RAOUYANE, B. ; BELLAFKIH, M.	IEEE International Conference on Multimedia Computing and Systems	Marrakech	Maroc	2014-04-14
3052	Secure SIP signalling	Belmekki, E. ; Raouyane,	9th International	Rabat	Maroc	2014-05-07

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	service in IMS network	B. ; Belmekki, A. ; Bellafkih, M.	Conference on Intelligent Systems: Theories and Applications			
3053	Fuzzy video streaming control in IP Multimedia Subsystem architecture	Mohammed, E. ; Mostafa, B. ; Brahim, RAOUYANE.	9th International Conference on Intelligent Systems: Theories and Applications	Rabat	Maroc	2014-05-07
3073	Sufficient Conditions for Secrecy in Cryptographic Protocols.	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.	Proceeding of the World Symposium On Computer Networks and Information Security	Hammamet	Tunisie	2014-06-13
3075	Secrecy by Witness-Functions	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.	Proceeding of the 5th Workshop on Formal Methods for Security	Tunis	Tunisie	2014-06-25
3077	New Functions for Secrecy on Real Protocols	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.	Proceeding of the 7th International Conference on Network Security & Applications	Chennai	Inde	2014-07-26
3079	Introduction to the Witness- Functions for Secrecy in Cryptographic Protocols	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.	. Proceeding of the International Conference on Networks and Information	Nanjing	Chine	2014-06-27
3081	A New security approach for ZigBee Weaknesses	W. Razouk, G. Crosby and A. Sekkaki	The six International Symposium on Applications of Ad hoc and Sensor Networks	Nova Scotia	Canada	2014-09-22

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
3082	Secrecy by Witness-Functions on Increasing Protocols	Jaouhar Fattahi, Mohamed Mejri and Hanane Houmani.	Proceeding of the 2nd International Workshop on Systems Safety & Security	Bucarest	Roumanie	2014-10-23
3084	Ensuring Confidentiality in Cryptographic Protocols with the Witness-Functions	Jaouhar Fattahi, Mohamed Mejri, Moeiz Miraoui, and Hanane Houmani.	Proceeding of the 5th International Conference on Networking and Information Technology	xxxxx	Singapore	2014-11-21
3088	Secured architecture for inter-VM traffic in a Cloud environment	Benzidane, Karim ; Khoudali, Saad ; Sekkaki, Abderrahim	IEEE Latin America Conference on Cloud Computing and Communications	Maceió-Alagoas	Brésil	2013-12-09
3089	Case Based Reasoning for QoS Management in IMS networks.	Mohammed Errais, Mostafa Bellafkih and Abderrahim Sekkaki	10ème Conférence internationale GRES, Gestion de Réseaux Et de Services	Paris	France	2014-12-01
3090	Cloud Computing Interoperability : an approach to increase the technical level and the semantic level of interoperability.	Abdesselam Ouardi, Abderrahim Sekkaki and Driss Mammas	Conférence internationale GRES, Gestion de Réseaux Et de Services	Paris	France	2014-12-01
3091	Soccer Video Summarization using Video Content Analysis and Social Media Streams	Said Jai-Andalousi, Abderrahim Sekkaki, Nabil Madrane.	International Symposium on big data Computing (BDC 2014) In conjunction with 7th IEEE/ACM International Conference on Utility and	London	Angleterre	2014-12-08

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			Cloud Computing (UCC 2014), IEEE Computer Society			
3092	Automatically density based breast segmentation for mammograms by using dynamic K-means algorithm and Seed Based Region Growing	Elmoufidi, A., El Fahssi, K., Jai-Andalousi, S., Sekkaki, A.	- IEEE Instrumentation and Measurement Technology Conference	Pisa	Italie	2015-05-03
3093	Security Challenges in Intrusion Detection.	Sara Diouani, Mohammed Jouad, Hanane Houmani and Ali Zaki.	Proceeding of the International Conference on Cloud Computing Technologies and Applications	Marrakech	Maroc	2015-06-02
3094	Survey and comparison of MADM methods for network selection access in heterogeneous networks	Mohamed Lahby, Silki Baghla, Abderrahim Sekkaki	Seventh IFIP/IEEE International Conference on New Technologies, Mobility and Security	Paris	France	2015-07-01
3095	Ontological approach for Data Warehouse design.	Bouchra Aadil, Abderrahim Ait Wakrime, Larbi Kzaz, Abderrahim Sekkaki	3ème CFIP/ IEEE conférence francophone sur les nouvelles technologies de la répartition	Paris	France	2015-07-07
3096	Cloud Card Compliance Checklist : An efficient tool for securing	H. EL Alloussi, L. Fetjah, A. Chaichaa,	The Ninth International Conference on Emerging Security Information,	Venice	Italie	2015-07-13

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	deployment Card Solutions on the Cloud		Systems and Technologies SECURWARE			
3097	Benign or Malignant Lesion Classification in Mammography Images Using the Adaptive Orthogonal Transformation and the Coefficients of the Correlation Matrix	Khalid El Fahssi, Abdelali Elmoufidi, Abdenbi Abenaou, Said Jai-Andaloussi, Abderrahim Sekkaki	The IEEE International Conference on Circuits, Systems and Signal Processing	Crete	Greece	2015-10-17
3098	Automatically Diagnosis of Suspicious Lesions in Mammograms	A. Elmoufidi, K. El Fahssi, S. Jai-Andaloussi, A. Sekkaki, G. Quellec, M. Lamard, G. Cazuguel	The International Conference on Mathematical Models and Methods in Applied Sciences	Crete	Greece	2015-10-17
3099	A Rules-based system for model composition	Samia Benabdellah Chaouni; Mounia Fredj; Salma Mouline	ACS_ IEEE International Conference on Computer Systems and Applications,	Marrakech	Maroc	2015-11-17
3100	Soccer Events Summarization by Using Sentiment Analysis	Said Jai-Andaloussi, Imane EL Mourabit, Nabil Madrane, Samia Benabdellah Chaouni, Abderrahim Sekkaki	the IEEE/ACM International Conference on Computational Science and Computational Intelligence	Las Vegas	Etats Unis	2015-12-07
3102	Efficaces constitutifs Paramètres de Chiral	Ouail Ouchetto, Badr El Majd Abou Saad	The IEEE International RF and Microwave	Kuching	Malaisie	2015-12-14

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	multicouches Structure	Zaamoun.	Conference,			
14986	Towards a Proactive approach to monitoring and correcting services in IP Multimedia Subsystem networks,	• ERRAIS M., BELLAFKIH M., SEKKAKI	18th International Conference on Computer, Communication and Information Sciences, and Engineering	Jeddah	KSA	2016-01-26
14987	Toward a Cloud-based security intelligence with Big Data processing	• Karim Benzidane, Othmane El Warrak, Hassan El Alloussi, Laila Fetjah, Said Jai Andaloussi, Abderrahim Sekkaki	IEEE/IFIP NOMS Network Operations and Management Symposium	Istanbul	Turkey	2016-04-25
14988	Automating Data Warehouse Design Using Ontology	• Aadil bouchra, Abderrahim Ait Wakrime, Abderrahim Sekkaki & kzaz larbi,	2nd International Conference on Electrical and Information Technologies (ICEIT)	Tangier	Morocco	2016-05-04
14989	An optimized vertical handover approach based on M-ANP and TOPSIS In Heterogeneous Wireless Networks	• Mohamed Lahby, Abdelbaki Attioui and Abderrahim Sekkaki	The Second International Symposium on Ubiquitous Networking UNet16 Lecture Notes in Electrical Engineering, Springer	Casablanca	Maroc	2016-05-30
14990	Automatic Detection of Suspicious Lesions in Digital X-ray Mammograms	• A. Elmoufid, K. El Fahssi, S. Jai-andaloussi, A. Sekkaki, G. Quellec, M. Lamard and G. Cazuguel	The Second International Symposium on Ubiquitous Networking UNet16 Lecture Notes in Electrical Engineering, Springer	Casablanca	Maroc	2016-05-30



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14991	Application of APSIS on a card payment solution	• Hassan El Alloussi, Karim Benzidane, Othman El Warrak, Leila Fetjah, Said Jai-Andaloussi and Abderrahim Sekkaki	The Second International Symposium on Ubiquitous Networking UNet16 Lecture Notes in Electrical Engineering, Springer	Casablanca	Maroc	2016-05-30
14992	Toward a Big Data security analytics in a Cloud Environment	• Laila Fetjah, Karim Benzidane, Othmane El Warrak, Hassan El Alloussi, Said Jai Andaloussi, Abderrahim Sekkaki	The 3rd IEEE International Conference on Cyber Security and Cloud Computing	Beijing	China	2016-06-25
14993	Performance analysis of minutia-based fingerprint matching algorithms	Mohamed Lahby; Yassine Ismaili; Abdelbaki Attioui; Abderrahim Sekkaki	11th International Conference on Intelligent Systems: Theories and Applications (SITA)	Mohammadia	Maroc	2016-10-19
15925	A Reverse Engineering approach to extract ontology taxonomies from relational databases	S. SBAI, H. BEHJA, M.R. CHBIHI LOUHDI, E. ZEMMOURI	6th international Conference on Next Generation Networks and Services	Rabat	Maroc	2016-12-16
15928	Towards a Dynamic QoS Management in IMS Transport Layer via SDN	S.Khairi, B. Raouyane and M. Bellafkih	13th ACS/IEEE International Conference on Computer Systems and Applications	Agadir	Maroc	2016-11-29
15930	Enhanced QoS Management SDN-Based in IMS with QoE	S.Khairi, B. Raouyane and M. Bellafkih	6th International Conference on Next Generation Networks and	Rabat	Maroc	2016-12-16

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	Evaluation		Services.			
15932	Toward a Service Broker for telecom service integration in IMS network	Imane Haddar; Brahim Raouyane; Mostafa Bellafkih	International Conference on Electrical and Information Technologies (ICEIT)	Tanger	Morocco	2016-05-04
15933	A High-Performance and Scalable Distributed Storage and Computing System for IMS Services	Youssef Seraoui, Mostafa Bellafkih, Brahim Raouyane	The 2nd International Conference on Cloud Computing Technologies and Applications	Marrakech	Maroc	2016-05-24
15935	Towards a Service Broker for Telecom Service Provision and Negotiation in IMS Network	Imane Haddar, Brahim Raouyane, Mostafa Bellafkih	The Second International Symposium on Ubiquitous Networking, 2016	Casablanca	Maroc	2016-05-30
15939	Automation in code generation: Tertiary and systematic mapping review	Zouhair Ibn Batouta, Rachid Dehbi, Mohamed Talea, Omar Hajoui:	4th IEEE International Colloquium on Information Science and Technology (CIST 16)	Tangier	Morocco	2016-10-24
16331	owards Multi-Criteria Decision Aid method for SLA-Based Service Broker in IMS environment	Imane Haddar; Brahim Raouyane; Mostafa Bellafkih	6th International Conference on Next Generation Networks and Services	Rabat	Maroc	2016-12-16
17908	Effective constitutive parameters of anisotropic chiral multilayered media	Ouail Ouchetto; Badr Abou El Majd; Saad Zaamoun	21st IEEE International Conference on Microwave, Radar and Wireless	Krakow	Poland	2016-05-09

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			Communications (MIKON),			
17909	Periodic boundary conditions in the FEM using arbitrary meshes	Ouail Ouchetto; Saad Zaamoun	21st IEEE International Conference on Microwave, Radar and Wireless Communications (MIKON),	Krakow	Poland	2016-05-09
17910	Multiple criteria comparative evaluation on the interoperability of LMS by applying COPRAS method	Abdellah Bakhouyi; Rachid Dehbi; Mohamed Talea	Future Technologies Conference (FTC) 2016	San Francisco	USA	2016-12-06
17911	A comparative analysis of different approaches for big data interoperability	Omar Hajoui; Mohamed Talea; Abdellah Bakhouyi; Zouhair Ibn Batouta; Rachid Dehbi	The third International Conference on Systems of Collaboration - SysCo'2016	Casablanca	Maroc	2016-11-28
21210	Evolution of standardization and interoperability on E-learning systems: An overview	Abdellah Bakhouyi, Rachid Dehbi, Mohamed Talea, Omar Hajoui	16th International Conference on Information Technology Based Higher Education and Training, ITHET 2017	Ohrid	Macedonia	2017-07-10
21218	An extended IMS framework with a high-performance and scalable distributed storage and computing system	Youssef Seraoui, Brahim Raouyane, Mostafa Bellafkih	IEEE International Symposium on Networks, Computers and Communications, ISNCC 2017	Marrakech	Maroc	2017-05-16

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
21219	QoS management SDN-based for LTE/EPC with QoE evaluation: IMS use case. SDS 2017: 125-130	Sara Khairi, Mostafa Bellafkih, Brahim Raouyane	IEEE Fourth International Conference on Software Defined Systems, SDS 2017, Valencia,	Valencia	Spain	2017-05-08
21220	NGN Management with NGOSS Framework-Based IMS Use Case.	Brahim Raouyane, Sara Khairi, Imane Haddar, Mostafa Bellafkih	biquitous Networking - Third International Symposium, UNet 2017,	Casablanca	Maroc	2017-05-09
21221	Opening into a virtualized IMS based telecom architectural framework: Telecom cloud manager	Youssef Seraoui, Brahim Raouyane, Mostafa Belmekki, Mostafa Bellafkih	International Conference on Wireless Networks and Mobile Communications, WINCOM 2017	Rabat	Maroc	2017-11-01
21222	Towards MCDA method based service broker for SLA selection in IMS environment	Imane Haddar; Brahim Raouyane; Mostafa Bellafkih	The 8th IEEE International Conference on Information Technology (ICIT)	Bhudaneswar	india	2017-12-21
21223	Generating a service broker framework for service selection and SLA-based provisioning within network environments	Imane Haddar; Brahim Raouyane; Mostafa Bellafkih	IEEE Ninth International Conference on Ubiquitous and Future Networks (ICUFN)	Milan	Italy	2017-07-04
21260	Implementation of new broker based on the eTOM framework for dynamic supply of resources during the composition of virtual	Errais Mohammed; Sekkaki Abderrahim	IEEE International Symposium on Networks, Computers and Communications, ISNCC 2017	Marrakech	Maroc	2017-05-16

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	networks					
21261	Optimal vertical handover based on TOPSIS algorithm and utility function in heterogeneous wireless networks	Mohamed Lahby, Abderrahim Sekkaki	2017 International Symposium on Networks, Computers and Communications, ISNCC 2017, Marrakech, Morocco, May 16-18, 2017	Marrakech	Maroc	2017-05-16
21264	Towards an inter-Cloud architecture in healthcare system	Abdesselam Ouardi, Abderrahim Sekkaki, Driss Mammass	2017 International Symposium on Networks, Computers and Communications, ISNCC 2017,	Marrakech	Maroc	2017-05-16
21266	An improved policy for network selection decision based on enhanced-topsis and utility function	Mohamed Lahby, Abdelbaki Attioui, Abderrahim Sekkaki	13th International Wireless Communications and Mobile Computing Conference, IWCMC 2017,	Valencia	Spain	2017-06-26
21269	Content based video retrieval based on bounded coordinate of motion histogram	Abderrahmane Adoui El Ouadrhiri, El Mehdi Saoudi, Said Jai-Andalousi, Ouail Ouchetto, Abderrahim Sekkaki:	IEEE International Conference on Control, Decision and Information Technologies, CoDIT 2017	Barcelona	Spain	2017-04-05
21274	Homogenization of bi-isotropic multilayered metamaterials	Ouail Ouchetto; Brahim Essakhi; Said Jai-Andalousi; Saad	IEEE MTT-S International Conference on Numerical Electromagnetic and	sevilla	Spain	2017-05-17

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
		Zaamoun	Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO)			
21275	Homogenization of structures with symmetric cells	Ouail Ouchetto; Brahim Essakhi; Saad Zaamoun	IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO)	sevilla	Spain	2017-05-17
21282	Performance analysis of the vertical handover across Wifi/3G networks based on IEEE 802.21	• Mohamed Lahby, Abderrahim Sekkaki	Second International Conference on Real Time Intelligent Systems	Casablanca	Morocco	2017-10-18
21283	Towards an operational alignment approach for organizations	Maryam Habba, Mounia Fredj, Samia Benabdellah Chaouni	9th International Conference on Information Management and Engineering,	Barcelona	Spain	2017-10-09
29359	A Graph Theory Based Network Selection Algorithm in Heterogeneous Wireless Networks	Mohamed Lahby, Abderrahim Sekkaki	9th IEEE/IFIP International Conference on New Technologies, Mobility and Security (NTMS 2018)	Paris	France	2018-02-26
29360	Automatic Classification of Air Pollution and	• Rachida El Morabet, Abderrahmane Adoui El	The 3rd International Conference On Big Data,	Kenitra	Maroc	2018-04-04

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Human Health.	Ouadrhiri, Jaroslav Burian, Said Jai-Andaloussi, Said El Mouak, Abderrahim Sekkaki:	Cloud And Applications BDCA'18			
29361	Similarity Performance of Keyframes Extraction on Bounded Content of Motion Histogram.	• Abderrahmane Adoui El Ouadrhiri, Said Jai-Andaloussi, El Mehdi Saoudi, Ouail Ouchetto, Abderrahim Sekkaki:	The 3rd International Conference On Big Data, Cloud And Applications BDCA'18	Kenitra	Maroc	2018-04-04
29362	Analytical Effective Parameters of Artificial Structures	• Ouail Ouchetto ; Said Jai-Andaloussi ; Abderrahim Sekkaki ; Saad Zaamoun	19th IEEE International Radar Symposium (IRS)	Bonn	Germany	2018-06-22
29363	Fast-Tracking Application for Traffic Signs Recognition.	• Abderrahmane Adoui El Ouadrhiri, Jaroslav Burian, Said Jai-Andaloussi, Rachida El Morabet, Ouail Ouchetto, Abderrahim Sekkaki	International Conference on Computer Vision and Graphics, ICCVG 2018: 385-396 Lecture Notes in Electrical Engineering, Springer,	Warsaw,	Poland	2018-09-17
29366	A New Web Service Architecture for Enhancing the Interoperability of LMS and Mobile applications Using the Next Generation of SCORM	Bakhouyi, A., Dehbi, R., & Talea, M	The International Conference on Advanced Intelligent Systems for Sustainable Development (AI2SD'2018),	Tangier	Morocco	2018-07-12
29377	Improving Content Based	Saoudi, E.M., Ouadrhiri,	IEEE FRUCT 2018 : 23nd	Bologna	Italy	2018-11-13

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Video Retrieval Performance by Using Hadoop-MapReduce Model	A.A.E., Warrak, O.E., Andaloussi, S.J., Sekkaki, A.	Conference of Open Innovations Association FRUCT			
29977	Blockchain and IoT for Security and Privacy: A Platform for Diabetes Self-management	Kebira AZBEG, Ouail OUCHETTO, Said JAI ANDALOUSSI, Leila FETJAH, Abderrahim SEKKAKI et al	The 4th IEEE International Conference on Cloud Computing Technologies and Applications	Brrussels	Belgique	2018-11-26

### \*Communications nationales

ID	Intitulé	Auteurs	Conférence	Ville	Date
3103	« Mapping of Quality Indicator based on Fuzzy Logic, in IMS Context	ERRAIS, M.; BELLAFKIH, M.; RAOUYANE, B.; RAMDANI, M	International Conference on Multimedia Computing and Systems (ICMCS),	Tanger	2012-05-10
3105	Similarity methods in IMS network management	M. ERRAIS, M. BELLAFKIH, M. RAMDANI	International Conference on Software Engineering, Databases and Expert Systems (SEDEXS'12	Settat	2012-06-14
3106	Approche Algorithmique pour la Retro-conception de l'héritage avec Généralisation	M. R. Chbihi Louhdi, H. Behja & S. Ouatik El Alaoui,	the proceeding of the Fifth Workshop on Information Technologies and Communication	Fes	2013-12-06
3107	on intrusions detection in cloud computing	Sara Diouani, Mohammed Jouad, Hanane Houmani	. The 2nd International Workshop on Software	Tetouan	2013-12-15



ID	Intitulé	Auteurs	Conférence	Ville	Date
			Engineering and Systems Architecture		
3110	Cloud-based IDS architectures applying the ids approaches into the cloud environment	H. EL Alloussi, L. Fetjah, A. Chaichaa	3rd Edition On Innovation and News Trends in Information Systems	Tanger	2015-06-03

### \*Ouvrages

ID	Intitulé	Auteurs	Editeur	Date
29358	Advances in Data Communications and Networking for Digital Business Transformation	Mohamed Lahby, Abderrahim Sekkaki	Publisher IGI Global	2018

### \*Chapitres d'ouvrage

ID	Intitulé chapitre	Auteurs	Ouvrage	Editeur	Date	
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### \*Brevets

ID	Intitulé	Auteurs	Contexte	Champs d'application	Date
3177	Network distribution and management of interactive video and multi-media	Nabil Madrane	I	Network distribution and management of interactive video and multi-media	2015-06-30

ID	Intitulé	Auteurs	Contexte	Champs d'application	Date
	containers			containers	

### \*Thèses en cours

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
4805	Fatima Zahra Elayachi	A case Based Reasoning Decision Support Model for Smart Cities	Jai Andaloussi Said	2017
4806	Ayoub Essouiri	Modélisation et optimisation du handover vertical à base de la théorie des graphes flous dans un environnement réseaux hétérogènes	SEKKAKI ABDERRAHIM	2017
4807	Hamid Khaddou	Développements et mise en place d'architecture basés sur IoT pour l'ingénierie des villes intelligentes: Application dans les domaines de l'agriculture et la santé.	Dehbi Rachid	2017
4808	Mohamed Khomalli	Modélisation des réseaux sociaux dans l'évaluation de l'activité touristique	SEKKAKI ABDERRAHIM	2017
4813	Aboullaite Mohamed	Sécurité cognitive dans le blockchain	SEKKAKI ABDERRAHIM	2017
3220	Kebira Azbeg	Interactive Signature for Transactions Confirmation in Bitcoin Blockchain	Ouchetto Ouail	2016
4814	Noureddine Amri	La dockerisation dans SDN	SEKKAKI ABDERRAHIM	2017
3221	Hamza Bentekouk	Sécurité de l'Infrastructure Cloud Computing	SEKKAKI ABDERRAHIM	2016

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
4913	Mohamed Jouad	Nouvelle approche de détection d'intrusion dans un environnement hétérogène distribué	SEKKAKI ABDERRAHIM	2015
3222	Jabran Daaif	Real Time Sentiment Analysis of Single Human Face	Ouchetto Ouail	2016
3223	Lahcen El Mansouri	Real Time Content-based Video Retrieval	Jai Andaloussi Said	2016
3224	Mohamed Jouad	Un nouvel Modèle de La sécurité et la vie privée des smart cities	Houmani Hanane	2016
3225	Soukaina Naimy	Simulation distribuée des marchés financiers à l'aide des SMA	SEKKAKI ABDERRAHIM	2016
5815	Bousselham Youssef	Deep Learning for Image Classification and Recognition	Jai Andaloussi Said	2018
3226	Khalid El Fahsi	Détection du cancer du sein sur des images mammographiques	SEKKAKI ABDERRAHIM	2012
5818	Elhaydouni Oumaima	Profiling cloud	SEKKAKI ABDERRAHIM	2018
3227	Abdelali El Moufidi	Classification des masses mammaires pour le diagnostic du cancer du sein	SEKKAKI ABDERRAHIM	2012
5819	Erroutbi Amine	Sécurité des technologies Fog computing et de l'loT	SEKKAKI ABDERRAHIM	2018
3228	Bouchra Aadil	Vers une ontologie de gestion de déchets	SEKKAKI ABDERRAHIM	2013
5820	Jihad Tariq	Analyse et gestion de risques dans le cloud computing	SEKKAKI ABDERRAHIM	2018
3229	Yassine Serhane	Apprentissage semi-supervisé des accidents cardio-vasculaires	SEKKAKI ABDERRAHIM	2013
5821	Mansouri Merieme	Deep Learning for Facial Sentiment Analysis	Jai Andaloussi Said	2018

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3230	Karim Benzidane	Détection des intrusions dans le cloud computing	SEKKAKI ABDERRAHIM	2011
5822	Mimi Safaa	Evaluation et optimisation de qualité de service (QoS) et de qualité d'expérience (QoE) dans les réseaux de communications 5G à base du machine learning.	SEKKAKI ABDERRAHIM	2018
3231	Abdelhaq Sakhi	La théorie de jeux pour l'optimisation du handover vertical dans un environnement réseau hétérogène et multi fournisseurs	SEKKAKI ABDERRAHIM	2015
5824	Skouta Ayoub	Deep learning for Food Image Recognition	Ouchetto Ouail	2018
3232	Amine Fennane	Déploiement d'un Datacenter dans le cloud	SEKKAKI ABDERRAHIM	2016
5826	Tahri Moad	Creating an artistic and marketing planning model for the movie industry based on Artificial intelligence	SEKKAKI ABDERRAHIM	2018
4803	Othman Elwarrak	Sécurité cognitive d'une infrastructure IoT, Big Data orientée Cloud	SEKKAKI ABDERRAHIM	2017
4804	Abdessadek Bourra	Mobile health Platform for Diabetes Management Based on the IoT and Case Based Reasoning	SEKKAKI ABDERRAHIM	2017

**\*Thèses soutenues**

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
354	Hicham Elasri	Une approche d'intégration sémantique des Composants Métier pour supporter les concepteurs des systèmes d'information	SEKKAKI ABDERRAHIM	2009	2013-09-28
356	Mostafa Jebbar	Intégration de l'architecture orientée services et du cloud computing dans le modèle de référence des systèmes répartis ouverts (RM-ODP)	SEKKAKI ABDERRAHIM	2010	2015-10-31
3191	Othman Benammar	• Intégration sémantique des politiques de sécurité basée sur les ontologies dans des environnements hétérogènes	SEKKAKI ABDERRAHIM	2009	2016-07-23
3192	Wissam Razouk	• Analysis and Design of Security Protocols for Internet of Things Constrained Devices	SEKKAKI ABDERRAHIM	2011	2016-12-02
5551	Abdesselam Ouardi	Mise en place d'un modèle de brokering d'interopérabilité inter-Cloud pour une sélection efficace de services	SEKKAKI ABDERRAHIM	2013	2018-09-22
5553	Abdelali Elmoufidi	Segmentation et classification des images de mammographies pour l'aide au diagnostic du cancer du sein	SEKKAKI ABDERRAHIM	2014	2018-10-06
5554	Khalid El Fahssi	Aide au diagnostique du cancer de sein par la segmentation des masses mammaires et l'identification des microcalcifications	SEKKAKI ABDERRAHIM	2013	2018-12-01

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
4021	Larbi Kzaz	Contribution Aux Systèmes d'Information Décisionnels : Proposition d'une nouvelle architecture intégrant une Base et un Entrepôt de Décisions	SEKKAKI ABDERRAHIM	2014	2017-07-14
4022	Hassan Alloussi	Sécurité des données de paiement par carte dans le Cloud. Vers un référentiel de sécurité des transactions de paiement dans le Cloud	SEKKAKI ABDERRAHIM	2012	2017-07-19