

2016 5th International Conference on Multimedia Computing and Systems (ICMCS 2016)

**Marrakech, Morocco
29 September – 1 October 2016**



**IEEE Catalog Number: CFP16050-POD
ISBN: 978-1-5090-5147-2**

**Copyright © 2016 by the Institute of Electrical and Electronics Engineers, Inc
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP16050-POD
ISBN (Print-On-Demand):	978-1-5090-5147-2
ISBN (Online):	978-1-5090-5146-5
ISSN:	1530-2032

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Contents

Fast and Accurate Algorithm for 3D Local Object Reconstruction using Krawtchouk Moments	1
<i>Abderrahim Mesbah, Mostafa El Mallahi, Zouhir Lakhili, Hassan Qjidaa, Aissam Berrahou</i>	
Quantification of 3d Tooth Movement After a Segmentation using a Watershed 3d Method	7
<i>Hajar HADDANI, Abdmejid ELMOUTAOUAKKIL, Fatiha BENZEKRI, Hakima AGHOUTAN, Farid BOURZGUI</i>	
Kulczynski Similarity Index for Objective Evaluation of Mesh Segmentation Algorithms	12
<i>Fatima Rafii Zakani, Khadija Arhid, Mohcine Bouksim, Mohamed Aboulfatah, Taoufiq Gadi</i>	
Migration of a Relational Databases to NoSQL: The Way Forward	18
<i>Alae EL ALAMI, Mohamed BAHAJ</i>	
Measuring Documents Similarity in Large Corpus Using MapReduce Algorithm	24
<i>Marouane BIRJALI, Abderrahim BENI-HSSANE, Mohammed ERRITALI</i>	
An Objective 3D Mesh Segmentation Evaluation Using Sokal-Sneath Metric	29
<i>Khadija Arhid, Mohcine Bouksim, Fatima Rafii Zakani, Mohamed Aboulfatah, Taoufiq Gadi</i>	
Deformable Models based Object Tracking: Challenges and Current Researches	35
<i>Ines Channoufi, Sami Bourouis, Kamel Hamrouni, Nizar Bouguila</i>	
Radial Charlier Moment Invariants for 2D Object/Image Recognition	41
<i>M. El Mallahi, A. Mesbah, H. Karmouni, A. El Affar, A. Tahiri, H. Qjidaa</i>	
Features Extraction for Facial Expressions Recognition	46
<i>Anas Abouyahya, Sanaa El Fkihi, Rachid Oulad Haj Thami, Driss Aboutajdine</i>	
The Number of Spanning Trees in Corona Edge Product of Tree and S-Lenair Chain Map	50
<i>Fouad Yakoubi, Noussaima El Khattabi, Mohamed El Marraki</i>	
A Robust Speaker Identification System Based on the GFCC Algorithm Combined to the VAD Method	54
<i>El Bachir TAZI</i>	
Implementation on a FPGA of Edge Detection Algorithm in Medical Image and Tumors Characterization	59
<i>Issam Bouganssa, Mohamed Sbihi, Mounia Zaim</i>	
Impact of Dead Zone Size on the Rate/Distortion Performance of Wavelet-Based Perceptual Image Encoders	65
<i>Martínez-Rach Miguel Onofre, López Granado Otoniel, Piñol Peral Pablo, Pérez Malumbres Manuel</i>	
Phase Correlation Method to the Optical Flow using Neuronal Networks	71
<i>Khalid Ghoul, Mohamed Berkane, Mohamed Chawki Batouche</i>	
Improved Feature Vectors using N-to-1 Gaussian MFCC Transformation for Automatic Speech Recognition System	76
<i>Othman Lachhab, El hassan Ibn El Haj</i>	
Aid to the Medical Diagnosis by Retinal Analysis	82
<i>Kahina BOUCHERK, Zohra AMEUR, Mai Khuong NGUYEN</i>	
Using Mel Frequency Cepstral Coefficient Method for Online Arabic Characters Handwriting Recognition	87
<i>Bougamouza Fateh, Hazmoune Samira, Benmohammed Mohammed</i>	
Automatic Detection & Classification of Static Video Segments	93
<i>Ricardo Almeida, Maria Paula Queluz</i>	
Car Recognition using the Bag of Features Method	99
<i>Ilias Kamal, Jawad Oubaha</i>	
Robust Principal Components based on Projection Pursuit for Hyperspectral Band Reduction	103
<i>Ibtissam Banit'ouagua, Mounir Ait Kerroum, Ahmed Hammouch, Driss Aboutajdine</i>	
Bitwise Level Image Permutation Using a Sinusoidal Signal	108
<i>Brahim Nini, Asma Ounzar</i>	
Suspicious Behavior Detection of People by Monitoring Camera	113
<i>Wassima Aitfares, Abdellatif Kobbane, Abdelaziz Kriouile</i>	
Robust Video Coding Based on Perceptual Unequal Protection - Macroblocks Classification based on Significant Motion Vectors	118
<i>Ouafae SERRAR, Ahmed TAMTAOUI</i>	
Evaluation of Spatiotemporal Fusion Methods for High Resolution Daily NDVI Prediction	121
<i>Amal Ibn El Hobyb, Amina Radgui, Ahmed Tamtaoui, Ahmed Er-Raji, Driss El Hadani, Mohamed Merdas, Faouzi Mohamed Smiej</i>	
Feature Extraction of some Quranic Recitation using Mel-Frequency Cepstral Coefficients (MFCC)	127
<i>Mouaz Bezoui, Abdelmajid Elmoutaouakkil, Abderrahim Beni-hssane</i>	
Local Edge Detection of an Image using Weighted Pixels Based on their Neighbourhood	132
<i>Asma Zitouni, Brahim Nini</i>	
A Novel Image Detail Preserving Impulse Noise Removal Algorithm	137
<i>Abhinash Kumar Jha, Punjal Agarwal, Gerald Schaefer, Youssef Zaz</i>	
Brain Image Segmentation using Artificial Bee Colony Optimization and Markovian Potts Model	141
<i>Mohamed BOU-IMAJJANE, Mohamed SBIHI</i>	
Fast JPEG Compressed Domain Image Retrieval	148
<i>Gerald Schaefer</i>	
Efficient Electrocardiogram (ECG) Lossy Compression Scheme	151
<i>Anas HATIM, Rachid LATIF, Oussama EL BACHARI, Mounir ARIOUA</i>	

High Capacity Data Hiding Methods Based on Spline Interpolation	157
<i>Amine BENHFID, El Bachir AMEUR, Youssef TAOUIL</i>	
Gene Expression Data Analyses for Supervised Prostate Cancer Classification based on Feature Subset Selection Combined with Different Classifiers	163
<i>Sara Haddou Bouazza, Abdelouhab Zeroual, Khalid Auhmani</i>	
Molecular Modeling: Application of Support Vector Machines and Decision Trees for Anti-HIV Activity Prediction of Organic Compounds	169
<i>Imane Bjij, Ismail Hdoufane, Abdellah Jarid, Driss Cherqaoui, Didier Villemin</i>	
A Fast Object Recognition and Categorization Technique for Robot Grasping using the Visual Bag of Words	173
<i>Mohamed Hannat, Nabila Zrira, Younès Raoui, El Houssine Bouyakhf</i>	
An Efficient Registration Method for Medical Images Based on Transform Distance	179
<i>Amina KHARBACH, Amar MERDANI, Benaissa BELLACH, Mohamed RAHMOUN</i>	
Approach for building Services-Oriented Systems Adaptable	183
<i>Issam ELMAGROUNI, Adil KENZI</i>	
Relaxing the Data Access Bottleneck of Geographic Big-data Analytics Applications using Distributed Quad trees	189
<i>Mayumbo Nyirenda, Hiroki Arimura, Kimihito Ito</i>	
Towards a Standard WSDL Implementation of Multiview Web Services	195
<i>Anass MISBAH, Ahmed ETTALBI</i>	
Ensuring video QoE using HTTP Adaptive Streaming: Issues and Challenges	200
<i>Hajer Gahbiche Msakni, Habib Youssef</i>	
Learning Design Approaches for Designing Learning Environments : A comparative study	206
<i>Amal Battou</i>	
A Machine Learning Approach to Identify and Track Learning Styles in MOOCs	212
<i>Brahim Hmedna, Ali El Mezouary, Omar Baz, Driss Mammass</i>	
Localization and Mapping Algorithms Implemented on a Low-Power Embedded Architectures: A Case Study	217
<i>Mohamed Abouzahir, Rachid Latif, Abdelouahed Tajer, Abdelhafid Elouardi, Samir Bouaziz</i>	
Node Localization in Ad Hoc Wireless Sensor Networks Using Fireworks Algorithm	223
<i>Eva Tuba, Milan Tuba, Marko Beko</i>	
Design of a Reconfigurable Digital Decimation Filter for Flexible GNSS Receivers	230
<i>Jihen Thabet, Rim Barrak, Nadia Khouja, Adel Ghazel</i>	
A New Kalman Filter-Based Algorithm to Improve the Indoor Positioning	236
<i>Mohamed Nabil, M. B. Abdelhalim, Ashraf AbdelRaouf</i>	
Localization of Rolling Stock within the Railway Network Model utilizing of Web Services	243
<i>Jan Fikejz, Josef Borzek</i>	
A Lingua Franca to Design, Implement and Test Intelligent Software-Defined GNSS Receivers	248
<i>Mourad GHAFIRI, Ilham ELHANDAOUI, Ahmed EL KHADIMI</i>	
Survey on Indoor localization System and Recent Advances of WIFI Fingerprinting Technique	253
<i>Chaimaa BASRI, Ahmed EL KHADIMI</i>	
Implementation of a Robust Intelligent GNSS Receiver based on BOC Modulation Approach: An Overview	260
<i>Ilham ELHANDAOUI, Mourad GHAFIRI, Ahmed EL KHADIMI</i>	
Unveiling confidentiality-related vulnerabilities in an IMS-based environment	266
<i>Ed-daoui Ilyas, Mazri Tomader, Hmina Nabil</i>	
Access Control in IoT: Survey & State of the Art	272
<i>Aqfaf OUADDAAH, Hajar MOUSANNIF, Anas ABOU ELKALAM, Abdellah AIT OUAHMAN</i>	
Mobility Quantification for MultiPoint Relays Selection Algorithm in Mobile Ad Hoc Networks	278
<i>Hicham AMRAOUI, Ahmed HABBANI, Abdelmajid HAJAMI</i>	
Computation Offloading Decision Algorithm for Energy Saving in 5G/HetNets C-RAN	284
<i>Olfa CHABBOUH, Sonia BEN REJEB, Zied CHOUKAIR, Nazim AGOULMINE</i>	
CRY OLSR : Crypto Optimized Link State Routing for MANET	290
<i>Fouzi Semchedine, Ali Moussaoui, Khadidja Zouaoui, Sarra Mehamel</i>	
Can Hybrid Homomorphic Encryption Schemes Be Practical?	294
<i>Khalid El Makkaoui, Abderrahim Beni-Hssane, Abdellah Ezzati</i>	
S-WANE Model: a Real Alternative of DH System	299
<i>Khadidiatou Wane Keita, Bassirou Bodian, Idy Diop, Claude Lishou, Sidi Mohamed Farssi</i>	
Ultra Low Power Consumption, Short Transmission Time and Efficient Data Coding Wireless Communication Technology for MWSNs	304
<i>Anouar Darif</i>	
A New Scheme for Electing Stable MPR Nodes, based on the Mobility Degree and the Residual Energy, for the OLSR Protocol	310
<i>Ali Moussaoui, L'yes Sidhoum</i>	
New Offload Decision Algorithm from LTE-Advanced to Wireless Mesh Network	315
<i>Nabil. TORJEMEN*, Nabil. TABBANE, Ghayet El Mouna ZHIOUA</i>	
A Neighbor Signal Strength based Coverage for Reducing Routing Overhead in Mobile Ad Hoc Networks	321
<i>Nabil Nissar, Najib Naja, Abdellah Jamali</i>	

Comparative study of MPR selection algorithms based on Statistical Model Checking	327
<i>Omar BARKI, Zouhair GUENNOUN, Adnane ADDAIM</i>	
Minimizing Energy Consumption in IPv6 for Small Objects Network	332
<i>Ali El Ksimi, Cherkaoui Leghris, Faddoul Khoukhi</i>	
Fuzzy Utility Decisional Vertical Handover Algorithm for Enhancing Network Performances	337
<i>Amal Kammoun, Nabil Tabbane</i>	
Optimum Relay Location and Power Allocation of Cooperative Decode-and-Forward Dual-Hop ARQ Networks	344
<i>Ali Kamouch, Abdelaali Chaoub, Zouhair Guennoun</i>	
Car to Car Communication in VANET using Co-operative Mobility Services of the Future (CoMoSeF)	349
<i>Laura Carolina Dasuha, Teddy Mantoro</i>	
A New Efficient Distributed Computing Middleware based on Cloud Micro-Services for HPC	354
<i>Fatéma Zahra Benchara, Mohamed Youssfi, Omar Bouattane, Hassan Ouajji</i>	
Towards A Secure Cloud Database using Paillier's Homomorphic Cryptosystem	360
<i>Mbarek Marwan, Ali Kartit, Hassan Ouahmane</i>	
Secure Cloud-Based Medical Image Storage using Secret Share Scheme	366
<i>Mbarek Marwan, Ali Kartit, Hassan Ouahmane</i>	
On Video Stream Encryption Efficiency for Mobile Cloud System	372
<i>Nouha Samet, Asma Ben Letaïfa, Mohamed Hamdi, Sami Tabbane</i>	
ISA-based Model for Risk Assessment in Cloud Computing Environment	377
<i>Amal BENFATEH, F. GHARNATI, T. AGOUTI</i>	
Frequency Reconfigurable Multiband Meander Patch Antenna for Cognitive Radio with Wide Tuning Frequency Range	384
<i>Jean-Marie FLOC'H, Imen BEN TRAD, Ines ROUISSI</i>	
Enhancement of Bandwidth and Gain of a Multilayer Circularly Polarized DRA	388
<i>Hamed Gharsallah, Lotfi Osman, Lassaad Latrach</i>	
A Multistandard and Multiservice Radio over Fiber System for Next Generation Networks	391
<i>Sarra Rebhi, Rim Barrak, Mourad Menif</i>	
Design of Dual-band Textile Antenna for 2.45/5.8-GHz Wireless Applications	397
<i>Ameni Mersani, Lotfi Osman</i>	
Soft Output Detection for MIMO Systems using Binary Polar Codes	400
<i>Madiop DIOUF, Idy DIOP, Ibra DIOUM, Sidi M. FARSSI, Birahime DIOUF, Khaly TALL</i>	
Compact Tunable Ku-band Schiffman Phase Shifter for Beam-Steering Applications	405
<i>Rawia Ouali, Lotfi Osman, Tchanguiz Razban, Yann Mahé</i>	
Design of Substrate Integrated Waveguide Cavity Bandpass Filters	410
<i>Ahmed Rhibanou, Mohamed Sabbane, Seddik Bri</i>	
Design of a 5.8 GHz Rectenna by using Metamaterial inspired Small Antenna	416
<i>A. Abraray, O. EL Mrabet, A. Farkhsi, M. Aznabet, M. Bajtaoui, B. El Jaafari, J. Floc'h</i>	
Miniaturization of a Circularly Polarized Ring-Patch Antenna for UHF RFID Reader	419
<i>Marwa Zamali, Lotfi Osman, Hedi Ragad, Mohamed Latrach</i>	
Compact Triband CPW-Fed F-Shaped Monopole Antenna with Inverted L-Slot for 2.1-GHz/WLAN/WiMAX Applications	422
<i>Ahmed Zakaria Manouare, Abdelaziz El Idrissi, Abdelilah Ghammaz, Saida Ibnyaich</i>	
Varactors Nonlinear Effects in Tunable RF filters	427
<i>Ali Othman, Rim Barrak, Mohamed Mabrouk</i>	
Design of Superdirective and Compact Antenna Array	433
<i>Saber DAKHLI, Hatem RMILI, Jean-Marie FLOC'H, Fethi CHOUBANI, Muntasir SHEIKH</i>	
A Novel Design of a Microstrip Negative Resistance Microwave Oscillator in the ISM Band	436
<i>Ayoub Malki, J. Zbitou, L. El Abdellaoui, A. Errkik, A. Tajmouati, M. Latrach</i>	
Two Proposed Approaches to Uphold QoS During Handover in LTE-A Systems - Extended Soft Handover Approach v.s Network Coding Approach	441
<i>Imen Jouli, Kawther Hassine, Mounir Frikha</i>	
Miniaturized Meander Antenna using Low Cost Paper Substrate	447
<i>Y. Mouzouna, H. Nasraoui, A. Mouhsen, J. El aoufi, G. Chababi</i>	
Reconfigurable T-Shaped Antenna for S-Band Applications	451
<i>Omar El Maleky, Farid Ben Abdelouahab, Mohamed Essaaidi, Laila Ajana</i>	
Improvement of Notch Performances for UWB Monopole Antennas Using CSRR and SSRR	456
<i>Azzeddin Naghar, Otman Aghzout, Ana Vazquez Alejos, David Alvarez Outerelo, Francisco Falcone</i>	
A Reconfigurable Multistandard GNSS Receiver Setup Operating In L1/L2 Bands	459
<i>Hanan Mehrez, Rim Barrak, Adel Ghazel, Muriel Muller, Ghalid Abib</i>	
A UHF RFID Tag Antenna with Improved Bandwidth	465
<i>M.A. Ennasar, I. Aznabet, O. El Mrabet, M. Essaaidi, S. Tedjini</i>	
Reduction of Four-Wave Mixing Nonlinear Effects in Dense WDM Optical Long-Haul Networks	468
<i>Fahd CHAOUI, Otman AGHZOUT, Ana Vazquez Alejos, Francisco Falcone, Mounia CHAKKOUR, Mounir EL YAKHLOUFI</i>	

Active-RFID System Operating in Heavy Environmental Conditions to Aid the Production Cycle of Bentonite-coal Dust Mixtures for Foundries	472
<i>Gian Luigi Gragnani, Claudio Montecucco</i>	
New Electrical Model, Simulation and Optimization of a High Voltage Power Supply for Industrial Microwave Generators with Two Magnetrons, 1600 watts at 2.45GHz	478
<i>R. Batit, M. Chraygane, M. Ferfra</i>	
A High Gain Novel Dielectric Resonator Antenna (NDRA) for Anti-collision Short Range Radar (SRR) Application	484
<i>Abderrahim HADDAD, Mohssin AOUTOUL, Khalid RAIS, Mohamed ESSAAIDI</i>	
Slotted Patch Antenna Loaded With Ferrite	487
<i>Fatima Zahra HANIN, Larbi SETTI</i>	
A New Compact CPW-Fed Dual-Band Monopole Antenna for RFID Applications	492
<i>Ahmed El Hamraoui, El Hassane Abdelmounim, Jamal Zbitou, Hamid Bennis, Mohamed Latrach</i>	
A Compact UWB Sub-nanosecond Pulse Generator for Microwave Radar Sensor with Ringing Miniaturization	497
<i>Younes Ahajjam, Otman Aghzout, Jose M. Catala-Civera, Felipe Penaranda-Foix, Abdellah Driouach</i>	
CMOS Design of a Boost-Buck Regulator with High Efficiency for a Wireless Sensor Network Deployed for Large Aircraft In-Flight Tests	502
<i>Hicham Akhamal, Mostafa Chakir, Hassan Qjidaa</i>	
Robustness Optimization for Solving the Deployment of RFID Readers Problem	509
<i>Abdelkader Raghib, Badr Abou El Majd, Ouail Ouchetto, Brahim Aghezzaf</i>	
2x2 MIMO Spatial Diversity for Radio over Fiber System at 60 GHz Using TSV Model	514
<i>Moussa EL YAHYAQUI, Ali EL MOUSSATI</i>	
Wavelet Networks for MAI cancellation in MC-DS/CDMA	519
<i>Taoufiq Ait Benrami, Younes Jabrane, Jilali Antari, Radouane Iqdour</i>	
Very High Efficiency Differential Chaos Shift Keying System with Walsh Hadamard codes	523
<i>Fadia Taleb, Daniel Roviras, Fethi Tarik</i>	
On Soft Combined Turbo Codes Performance Over Rayleigh Fading Channel	528
<i>Salima El Makhtari, Mohamed Moussaoui, Hassan Samadi</i>	
On the Terminal Wiener index of networks	533
<i>Meryam Zeryouh, Mohamed El Marraki, Mohamed Essalih</i>	
Control of Complex Dynamical Systems based on Direct Torque Control of an Asynchronous Machine	537
<i>Zineb Mekrini, Bri Seddik</i>	
Performance Evaluation of Software-Defined Networking Architectures Using Network Calculus	543
<i>S. Zerrik, D. El Ouadghiri, M. Bakhouya</i>	
Dynamic Hybrid Approach for Reusable Containers Management in a Close-loop Supply Chain	548
<i>Mohammed Rida ECH-CHARRAT, Khalid AMECHNOUE</i>	
Complexity of Closed Networks Based on Spanning Tree Approach	554
<i>Hajar SAHBANI, Mohamed El Marraki</i>	
Hidden Markov Model for a Self-Learning of Simulated Annealing Cooling Law	558
<i>Mohamed Lalaoui, Abdellatif El Afia, Raddouane Chiheb</i>	
A Compact Architecture of a Mobile-to-Mobile Fading Channel Emulator Based on Random Walk Process	564
<i>Souhail Haggui, Fatma Rouissi, Yosra Mlayeh, Fethi Tlili</i>	
Empirical Modeling of the Narrowband Power Line Communication Channel	570
<i>Héla Gassara, Fatma Rouissi, Adel Ghazel</i>	
Study of New Three Phase Voltage Source PWM Rectifier, Via Fuzzy and IP Controller for Output Voltage Regulation	576
<i>Jawad Lamterkati, Mohamed Khafallah, Lahcen Ouboubker, Aziz El Afia</i>	
Modeling of the Tickness of a Submerged Tube by the Artificial Neural Network	583
<i>Y. Nahraoui, E.H. Aassif, G. Maze</i>	
Sensorless Vector Control of Induction Motor Using an EKF and SVPWM Algorithm	588
<i>Yassine Zahraoui, Chaymae Fahassa, Mohamed Akherraz, Abderrahim Bennassar</i>	
DC Motor Position Control of a Solar Tracking System Using Second Order Sliding Mode	594
<i>Karima Boudaraia, Hassane Mahmoudi, Mohamed Abbou, Mohamed Hilal</i>	
Backstepping Control of the Doubly Fed Induction Generator using Xilinx System Generator for Implementation on FPGA	599
<i>Marouane El Azzaoui, Hassane Mahmoudi, Chafik Ed-dahmani</i>	
Test Case Generation for Java Bytecode Programs Annotated with BML Specifications	605
<i>Safaa Achour, Mohammed Benattou</i>	
Context Modeling Architecture in Pervasive Computing Environments for Multimedia Documents Adaptation	611
<i>Hajar KHALLOUKI, Mohamed BAHAJ</i>	
A Performance Evaluation of Broadcasting Algorithms in Wireless Nanosensor Networks	616
<i>Ayoub Oukhatar, Mohamed Bakhouya, Driss El Ouadghiri, Khalid Zine-Dine</i>	
Towards learning integral strategy of Branch and Bound	621
<i>Mohamed Mustapha KABBAJ, Abdellatif EL AFIA</i>	

Multi-agent Control Architecture for Autonomy Optimization Applied to Hexacopter	627
<i>Redouane Dargham, Adil Sayouti, Hicham Medromi</i>	
A Novel Based Hidden Markov Model Approach for Controlling the ACS Evaporation Parameter	633
<i>Safae Bouzbita, Abdellatif El Afia, Rdouan Faizi</i>	
A Novel Efficient 3D Object Retrieval Method Based on Representative Slices	639
<i>Ilyass OUAZZANI TAYBI, Rachid ALAOUI, Fatima RAFII ZAKANI, Khadija ARHID, Mohcine BOUKSIM, Taoufiq GADI</i>	
Still Image Compression Using Curvelets and Logarithmic Scalar Quantization Technique (Draft)	645
<i>Oussama Kadri, Zine-Eddine Baarir</i>	
A GPU-Based Breast Cancer Detection System using Fuzzy C-Means Clustering Algorithm	650
<i>Mahmoud Al-Ayyoub, Shadi M. AlZu'bi, Yaser Jararweh, Mohammad A. Alsmirat</i>	
Comparative Study of the Descriptive Features on the Performance of Re-identification	655
<i>Kaoutar JDEB, Mohammed RZIZA, Tarik LJOUAD, Ayoub Al-HAMADI</i>	
A 90nm CMOS « LDO » Regulator with High Load Regulation using a Gain Boost-Up Technique	661
<i>Hicham Akhamal, Mostafa Chakir, Hassan Qjidaa</i>	
Sky status : A Local Analysis of Ground Based Digital Images	667
<i>Salah Moughyt, Youssef Zaz, Samia Fathi, Omar El Kadmiri</i>	
Overview on Automatic Detection of Human Body	671
<i>Nagi OULD TALEB, Adil CHERGUI, Mohamed Larbi BEN MAATI, Mohamedade Farouk NANNE</i>	
Traditional, Web-based or Internet-enabled ERP Systems Adoption for SMEs in Developing Countries	676
<i>Amine Arrahmane Achargui, Abdellah Zaouia</i>	
A Funnel Based Joint Dual Mobile Service Discovery and Exposure Model	681
<i>Walid El Ayeb, Zied Choukair</i>	
A New Method to Reduce the Bandwidth of IPTV Systems	687
<i>El Hassane Khabbiza, Rachid El Alami, Hassan Qjidaa</i>	
User Interest Center Based on a Semantic User Profile	693
<i>Amine LABRIJI, Salma CHARKAOUI, Issam ABDELBAKI, Abdelwahed NAMIR</i>	
Detecting Website Vulnerabilities Based on Markov Chains Theory	697
<i>Ayachi Yassine, Rahmoune Noureddine, El Hassane Ettifouri, Jamal Berrich, Bouchentouf Toumi</i>	
Setting up a Self-learning IDS Based on Markov Chains Theory	701
<i>Ayachi Yassine, Rahmoune Noureddine, El Hassane Ettifouri, Jamal Berrich, Bouchentouf Toumi</i>	
A Digital Revolution In Nursing Education-The Serious Games	705
<i>Elaachak Lotfi, Belahbib Amine, Bouhorma Mohammed</i>	
Trace-based System for Metacognitive Behavior in Online Learning Activity	710
<i>Mohamed Taib MOHTADI, Adel DERAOU, Hakim ALLALI, Abdelmajid HAJAMI</i>	
Business-Oriented Customer Experience Management	714
<i>Nabil TORJEMEN, Nabil TABBANE, Ghayet El Mouna ZHIOUA</i>	
Reduction of Energy Consumption in WSN using the Generalized Pythagorean Theorem	720
<i>Saleh Bouarafa, Driss Aboutajdine, Rachid Saadane</i>	
Path Reliability Metric for proactive MANET Routing	726
<i>Abdelkadir Sahnoun, Jamal El Abbadi, Ahmed Habbani</i>	
Big Data Emerging Issues: Hadoop Security and Privacy	731
<i>Karim Abouelmehdi, Abderrahim Beni-Hssane, Hayat Khaloufi, Mostafa Saadi</i>	
Impact of Seasonal ARIMA Workload Prediction Model on QoE for Massively Multiplayers Online Gaming	737
<i>Eya DHIB, Khaled BOUSSETTA, Nawel ZANGAR, Nabil TABBANE</i>	
Analysis and Simulation of Microwave Systems	742
<i>Malika Ourabia</i>	
Design and Simulation of PLL Frequency Synthesizer for LTE Mobile Communications	745
<i>Berber Zakia, Kameche Samir</i>	
Overview of Wideband Butler Matrix in Microstrip Slot Technology for Beamforming Antenna Applications	749
<i>Imen Sfar, Lotfi Osman</i>	
Coupled Selective Electromagnetic Waves in 1D Photonic Crystal with Two Planar Cavities	753
<i>Amina Ghadban, Afaf Bouzidi, Driss Bria, Kamal Ghomid</i>	
Meander-Line UHF RFID Tag Antenna loaded with Split Ring Resonator	757
<i>I. Aznabet, M. Ennasar, O. El Mrabet, S. Tedjini, M. Khalladi</i>	
A Flexible Filter-Based Mobile-to-Mobile Double Rayleigh Fading Channel Emulator	760
<i>Souhail Haggui, Fatma Rouissi, Yosra Mlayeh, Fethi Tlili</i>	
Modified Step Size Patch Array Antenna for UWB Wireless Applications	765
<i>Hamid Aslani, Ahmed Radwan</i>	
Verification and Validation of PDDL Descriptions using Event-B Formal Method	770
<i>Farah Fourati, Mohamed Tahar Bhiri, Riadh Robbana</i>	
Improvement of Induction Motor Performance at Low Speeds using Fuzzy Logic Adaptation Mechanism based Sensorless Direct Field Oriented Control and Fuzzy Logic Controllers (FDFOC)	777
<i>Chaymae Haggass, Yassine Zahraoui, Mohamed Akherraz, Abderrahim Bennassar</i>	
Buck Converter MPPT Control of a Photovoltaic System	783
<i>Karima Boudaraia, Hassane Mahmoudi, Ahmed Abbou, Mohamed Hilal</i>	

Comparative Study of Modulation Techniques Performances for Communication over Narrowband Powerline Channel Characteristics	788
<i>Safa Najjar, Fatma Rouissi, H��la Gassara, Adel Ghazel</i>	
A multi-agent based on Ant Colony Model for Urban Traffic Management	793
<i>Imad SABBANI, Mohamed YOUSSEFI, Omar BOUATTANE</i>	
SEMAT Essence's Kernel Applied to O-MaSE - Toward a Common Ground Kernel to Design Method Fragments for Multi-agent Systems	799
<i>Walid DAHHANE, Jamal BERRICH, Toumi BOUCHENTOUF, Mohammed RAHMOUN</i>	