

2012 INTERNATIONAL CONFERENCE ON MULTIMEDIA COMPUTING AND SYSTEMS

Movenpick - Tangier, Morocco

May 10-12, 2012

Advanced Program

session	Topics
S - I	Multimedia file systems and databases Multimedia processor architecture Network and operating system support for multimedia
S - II	Audio, image, and video processing Pattern recognition, Computer Vision, and medical applications Animation, virtual reality, and 3D imaging
S - III	Intelligent network applications Mobile network architecture Quality-of-service control and scheduling algorithms
S - IV	Web servers and services Internet and Web-Based Systems GNSS and GIS E-learning, Multimedia conferencing, internet phones, and mail
S - V	Systems and Networks security
S - VI	Multi-agent systems Electronics, modeling and control systems
IWCRN	International Workshop on Cognitive Radio Networks

	Thursday				Friday				Saturday										
08h:00	Registration				S - VI (4)	S - II (3)	S - IV (2)	S - III (3)	Social Event										
08h:15																			
08h:30	Opening Ceremony																		
08h:45																			
09h:00	Break				Posters Session II / Break														
09h:15																			
09h:30	Keynote 1				S - III (1) S - VI (1)														
09h:45																			
10h:00	S - I	S - II (1)	Keynote 2		S - VI (4)	Tutorial		S - III (3)											
10h:15																			
10h:30			S - III (1)	S - VI (1)	Keynote 6	S - II (3)	S - IV (2)												
10h:45																			
11h:00	Lunch				Lunch														
11h:15																			
11h:30	Lunch				Lunch														
11h:45																			
12h:00	Lunch				Lunch														
12h:15																			
12h:30	Lunch				Lunch														
12h:45																			
13h:00	Lunch				Lunch														
13h:15																			
13h:30	Keynote 3 (Iw/CRN)				S - II (1)	S - III (2)	S - VI (2)	S - V		S - II (4)	S - IV (3)	S - VI (5)							
13h:45																			
14h:00																			
14h:15																			
14h:30	Keynote 4 (Iw/CRN)	S - II (2)	S - IV (1)	S - VI (3) Multi-agents	S - V	S - II (4)	S - IV (3)	S - III (4)											
14h:45																			
15h:00																			
15h:15																			
15h:30	Keynote 5 (Iw/CRN)	Posters Session I / Break				Break													
15h:45																			
16h:00	Invited Talk		S - IV (2)	IVCRN	S - V	S - II (4)	S - IV (3)	S - III (4)											
16h:15																			
16h:30																			
16h:45																			
17h:00	S - I	S - II (2)	S - IV (1)	S - VI (3) Multi-agents	S - V	S - II (4)	S - IV (3)	S - III (4)											
17h:15																			
17h:30																			
17h:45																			
18h:00	Closing Ceremony				Closing Ceremony														
18h:15																			
18h:30	Closing Ceremony				Closing Ceremony														

Keynotes/Invited/Tutorial talks

Keynote 1	Software Testing and Quality Assurance - why the progress is so slow? <i>Narayan C. Debnath - Winona State University - USA</i>	Thursday 09:30-10:15
Keynote 2	The complexity of distributed algorithms <i>Rachid Guerraoui - École polytechnique fédérale de Lausanne, Lausanne - Switzerland</i>	Thursday 10:15-11:00
Keynote 3 (IWCRN)	Are Dynamic Spectrum Access Networks Secure? <i>K.P. Subbalakshmi - Stevens Institute of Technology, Hoboken, NJ - USA</i>	Thursday 13:15-14:00
Keynote 4 (IWCRN)	Review of Sensing Techniques for Cognitive Radio Systems <i>Aawatif Hayar - GREENTIC/ENSEM, Hassan II University, Casablanca - Morocco</i>	Thursday 14:00-14:45
Keynote 5 (IWCRN)	Dynamic Spectrum Access Wireless Networks: From Policies to Practice <i>R. Chandramouli - Stevens Institute of Technology, Hoboken, NJ - USA</i>	Thursday 14:45-15:30
Invited Speaker	The Bio-Logic of Artificial Creatures <i>Yves Duthen - University of Toulouse 1-Capitole - France</i>	Thursday 16:00-16:30
Tutorial	Multimedia standards: History - State of Art <i>Peter Stanchev - Kettering University, Michigan - USA</i>	Friday 10:00-11:15
Keynote 6	Semantic Web-based Knowledge Management for Mobile Services <i>Rachid Benlamri - Lakehead University, Ontario - Canada</i>	Friday 11:30-12:15

Presentation guidelines:

- All presentations should be in English.
- The time provided for oral presentations is 15 min (10 min for the presentation and 5 min for the discussion).
- The speakers should give their slides to the session chair before the beginning of each session.
- For poster presentations, the posters should be displayed one hour before the beginning of the poster session and any explanation required should be provided to session chairs and visitors.

S-I	<p>Multimedia file systems and databases Multimedia processor architecture Network and operating system support for multimedia</p> <p>Chairs: Peter Stanchev - Kettering University, Michigan - USA</p>
<p>May 10, 2012 10h:15-12h:00 & 16h:30-18:30</p>	<p>The Parallelization of Algorithm Based on Partition Principle for Association Rules Discovery <i>Belbachir Khadidja and Belbachir Hafida</i></p> <p>QVT Transformation by Modeling From UML Model to MD Model <i>Ibtissam Arrassen, Abdelouafi Meziane, Redouane Esbai and Mohammed Erramdani</i></p> <p>An Indexing and Search Strategy for Fingerprint Databases <i>Guang-Ho Cha</i></p> <p>Using the Lower Bounds for the EMD to improve the search time in the multidimensional index structure and Color descriptor support location information's <i>Bahri Abdelkhalak and Zouaki Hamid</i></p> <p>The fragmentation of data warehouses: An approach based on principal components analysis <i>Rachid Elmansouri, Elhoussaine Ziyati, Omar Elbeqqali and Driss Aboutajdine</i></p> <p>Self adaptive Augmented Reality systems on FPGA <i>Tarek FRIKHA, Nader BEN AMOR, Ines BENHLIMA, Kais LOUKIL, Mohamed ABID and Jean-Philippe DIGUET</i></p> <p>Exploiting GPUs for Compute-Intensive Medical Applications <i>Yaser Jararweh, Moath Jarrah and Salim Hariri</i></p> <p>Performance of HRP Routing Protocol for Wireless sensor network <i>Chahidi Badr and Ezzati Abdallah</i></p> <p>Performance Analysis of Random Access Mechanism in WiMAX <i>Abdelillah Karouit, Abdelkrim Haqiq and Abdelali El Bouchti</i></p> <p>Proposed Mathematical Model for a SIP Call <i>Ndaohialy Manda-Vy Ravonimanantsoa, Andry Auguste Randriamantsoa and Tahina Ezechieel Rakotondraina</i></p> <p>A Controlled Retransmission Scheme for Optical Burst Switching over Star Networks <i>Riadi Salek and Maach Abdelilah</i></p> <p>Mapping of Quality Indicators based on fuzzy logic, in IMS context <i>Errais Mohammed, Brahim Raouyane, Bellafkih Mostapha and Ramdani Mohamed</i></p> <p>QDGRP : A Hybrid QoS Distributed Genetic Routing Protocol for Wireless Sensor Networks <i>Mohammed-Amine Koulali, Abdellatif Kobbane, Mohammed El Koutbi and Mostafa Azizi</i></p> <p>Packet Loss Concealment by Interpolation for Speech over IP Network Services <i>Fatiha Merazka</i></p> <p>Price and QoS Ware Between Telecommunication Service Providers : A Non-Cooperative Game Analysis <i>Abdelali Essahraouy, Mohamed Baslam, Abdellatif Kobbane and Mourad Gharbi</i></p> <p>Energy-efficient MAC protocol based on IEEE 802.11e for Wireless Multimedia Sensor Networks <i>Touil Hicham, Fakhri Youssef and Benattou Mohammed</i></p>
S – II (1)	<p>Audio, image, and video processing Pattern recognition, Computer Vision, and medical applications Animation, virtual reality, and 3D imaging</p> <p>Chairs: Sultan Aljahdali, Taif University - Saudi Arabia</p>
<p>May 10, 2012 10h:15-12h:00 & 13h:15-15h:30</p>	<p>Performances and Policies of Quality of service in the Diffserv-MPLS Network and NGN <i>Abdeljalil Saika, Rachid El Kouch, Mohammed Majid Himmi and Brahim Raouyane</i></p> <p>Practical Consideration for ICA <i>Otman Chakkor, Mohammed Essaaidi, Carlos Garcia Puntonet and Jamal Zbitou</i></p> <p>Medical Image Segmentation By Region Evolutionary Approach <i>A.EL Allaoui, M. Nasri, M. Merzougui, M. EL Hitmy and B.Bouali</i></p> <p>An Ontology for Video Human Movement Representation based on Benesh Notation <i>Sawsan Saad, Dominique De Beul, Saïd Mahmoudi and Pierre Manneback</i></p> <p>Efficient Text Independent Speaker Identification Based on GFCC and CMN Methods <i>Tazi El Bachir, Abderrahim Benabbou and Harti Mostafa</i></p> <p>Visual-Attention-based Thumbnail using Two-Stage GrabCut <i>Keisuke Arai, Hiromasa Takei and Hayato Yamana</i></p> <p>Unsupervised classification of grayscale image using Probabilistic Neural Network (PNN) <i>Jawad Iounousse, Ahmed Farhi, Ahmed El Motassadeq, Hassan Chehouani and Salah Er-Raki</i></p> <p>Adaptive Space-Time-View Error Concealment for 3D Multi-View Video Transmission <i>Walid El-Shafai</i></p> <p>Change detection by new DSMT decision rule and ICM with constraints : Application to Argan land cover <i>Azeddine Elhassouny, Soufiane Idbraim, Driss Mammass and Danielle Ducrot</i></p> <p>REAL TIME CONTEXT-INDEPENDENT PHONE RECOGNITION USING A SIMPLIFIED STATISTICAL TRAINING ALGORITHM <i>Othman Lachhab, Joseph Di Martino, El Hassane Ibn Elhaj and Ahmed Hammouch</i></p> <p>Video Annotation of TV Content using Audiovisual Information <i>João Mateus, Frederico Malheiro, Rui Jesus, Sofia Cavaco and Nuno Correia</i></p>

	Tetrolet-based reduced reference image quality assessment approach <i>Abdelkader Ait Abdelouahad, Mohammed El Hassouni and Driss Aboutajdine</i> Video Object Watermarking using 3D-Walsh Hadamard transform and Arnold transform <i>Abdelhadi EL ALLALI and Elhassan IBEN ELAHAJ</i> Interpolative BTC Image Coding Scheme with Embedded Bit Plane <i>Fituri Belgasse and Abdrauf Alshooley</i> Watermarking in e-voting for large scale election <i>Souheib Yousfi, Riadh Robbana and Stéphane Derrode</i> Genetic Algorithms: A Tool for Image Segmentation <i>Alaa Sheta, Malik Braik and Sultan Aljahdali</i> Classification of Image Database using SVM with Gabor Magnitude <i>Sultan Aljahdali, Aasif Ansari and Nisar Hundewale</i>
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S – II (2)	Audio, image, and video processing Pattern recognition, Computer Vision, and medical applications Animation, virtual reality, and 3D imaging Chairs: Yves Duthen - University of Toulouse 1-Capitole - France
	Automatic texture characterization using image processing for archaeological application <i>Mohamed Abadi, Majdi Khoudeir and Sylvie Marchand</i> Speech Driven Photo-Realistic Talking Face Animation with Realistic Mouth and Jaw Dynamics <i>Ying He, Dongmei Jiang, Peng Wu and Hichem Sahli</i> Practical Consideration for ICA <i>Otman Chakkor, Mohammed Essaaidi, Carlos Garcia Puntonet and Jamal Zbitou</i> A Speech Signal Based Gender Identification System Using Four Classifiers <i>Rafik Djemili, Hocine Bourouba and M.C. Amara Korba</i> Localizing Text in natural scene images with complex background <i>Hinde Anoual, Sanaa Elfkihi, Abdelilah Jilbab and Driss Aboutajdine</i> A Novel Approach for Braille Images Segmentation <i>AbdulMalik S. AlSalman, Ali El-Zaart, Saleh A. Al-Salman and Abdu Gumaei</i> Semantic Based 3D Model Retrieval <i>My Abdellah Kassimi and Omar El Beqqali</i> Inter-Communication Classification for Multi-View Face Recognition <i>Chouaib Moujahdi, Sanaa Ghouzali, Mounia Mikram and Wadood Abdul</i> Unsupervised video objects detection and tracking using region based level-set <i>Chadia Khraief, Sami Bourouis and Kamel Hamrouni</i> MULTI-MODEL APPROACH FOR COLOR TEXTURE CLASSIFICATION IN LUMINANCE-CHROMINANCE COLOR SPACES <i>Ahmed Drissi El Maliani, Mohammed El Hassouni, Yannick Berthoumieu and Driss Aboutajdine</i> One-Class versus Bi-Class SVM Classifier for Off-line Signature Verification <i>Yasmine Guerbaï, Youcef Chibani and Nassim Abbas</i>

S – II (3)	Audio, image, and video processing Pattern recognition, Computer Vision, and medical applications Animation, virtual reality, and 3D imaging Chairs: NourEddine DJEDI, Biskra University - Algeria
	Selective object tracking : Evaluations and Enhancement <i>Tarik Ljouad, Aouatif Amine and Mohammed Rziza</i> Features Extracting from fluorescence Images and Features sequential scanning for Classification purposes <i>Suhail Odeh</i> Enhancing Road Signs Detection Rate Using Multi-Scale Retinex <i>Tarik Ayaou, Mourad Boussaid, Karim Afdel and Abdelah Amghar</i> Bidimensional Empirical Mode Decomposition: Application to Medical Images <i>Omar Ait Zemzami, Brahim Aksasse, Mohammed Ouanan and Aziza Benkuider</i> An Unsupervised Fuzzy-Neuro Quantiser for Image Compression <i>Mohammed Madijfi and Abdelaziz Bouroumi</i> SNPS: an Image Segmentation Method Based on Spatial Nonparametric Clustering <i>Imène Kirati and Yamina Tlili</i> A Compact Circular-Shaped Antenna For The Multi 3G Cellular Phones Applications <i>Ben Ahmed Mohamed, Bouhorma Mohammed, Elouaai Fatiha, Mamouni Ahmed, Boudhir Anouar Abdelhakim and Bri Seddiq</i> An Evolutionary Approach for Optimizing Three-Layer Perceptrons Architecture <i>Youssef Safi and Abdelaziz Bouroumi</i> Photonic Crystal Channel Drop Filter Based a Coupling Between Two Waveguides Bends and L4 Resonant Cavity <i>Abdelali Boudissa and Malek Benslama</i> Neural Networks and Discrete Cosine Transform for Human Face Detection

	MLP Neural Network Based Face Recognition System Using Constructive Training algorithm <i>Hayet Boughrara, Mohamed Chtourou and Chokri Ben Amar</i> <i>Merouani Hayet Farida and Benzaoui Amir</i> Real Time Implementation of Gradient Based Edge Detection System on FPGA <i>Yahia Said, Taoufik Saidani and Mohamed Atri</i>
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S – II (4)	Audio, image, and video processing Pattern recognition, Computer Vision, and medical applications Animation, virtual reality, and 3D imaging
	Chairs: Mohamed Selim El kayyali, University of San Martin - Peru
May 11, 2012 14h:00-18h:15	PERFORMANCE ANALYSIS OF WiFi/WiMAX VERTICAL HANDOVER BASED ON MEDIA INDEPENDENT HANDOVER <i>Yahya Benkaouz, Blaise Angoma and Mohammed Erradi</i> Offline Handwritten Arabic Word Recognition Using Multi-Stream HMM Based Approach <i>Ahlam Maqqor, Akram Halli, Khalid Satori and Hamid Tairi</i> Face Identification Using the magnitude and the phase of Gabor Wavelets and PCA <i>Faten Bellakhdhar, Moncef Bouselmi and Mohamed Abid</i> Advanced System for Autonomously Classify Brain MRI in Neurodegenerative Disease. <i>Francisco Estella, Blanca L. Delgado-Márquez, Pablo Rojas, Olga Valenzuela, Belen San Roman and Ignacio Rojas</i> Learning from Imbalanced Data Using Methods of Sample Selection <i>Ikram Chaïri, Souad Alaoui and Abdelouahid Lyhyaoui</i> Novel iris segmentation method <i>Hanene Guesmi, Hanene Trichili, Adel M. Alimi and Basel Solaiman</i> Rotation invariant Fuzzy Shape Contexts based on Eigenshapes and Fourier transforms for efficient Radiological image retrieval <i>Alaidine Ben Ayed, Mustapha Kardouchi and Sid-Ahmed Selouani</i> Evaluating C-SVM, CRF and LDA Classification for Daily Activity Recognition <i>M'Hamed Bilal Abidine and Belkacem Fergani</i> Toward the Construction of a Virtual Ecosystem Walking, Following food sources by a virtual creature <i>Ouannes Nesrine, Djedi Noureddine, Duthen Yves and Luga Hervé</i> Analysis of Brain Activation During Visual Tasks A Methodology to Evaluate Blood Flow Velocity Changes during Mental Activation and Rest <i>Chaima Hihoud, Beatriz Rey, Noura Aknin, El Mekki Salhi, Vera Pakhutik, José Tembl, and Mariano Alcañiz</i> A Preliminary Study of Prosody-Based Detection of Affirmative and Interrogative Sentences <i>Halimouche Ramzi, Hocine Teffahi and Falek Leila</i> Voice over VANETs (VoVAN): QoS Performance Analysis of Different Voice CODECs in Urban VANET Scenarios <i>El Brak Said, Bouhorma Mohammed, Boudhir Anouar Abdelhakim, El Brak Mohamed and Essaïdi Mohamed</i> Multi-Layered Framework For Crowd Microscopic Simulation <i>Chighoub Rabiaa and Cherif Foudil</i> Tracking Color Marker Using Projective Transformation for Augmented Reality Application <i>Hayet Belghit, Nadia Zenati-Henda, Abdelkader Bellarbi, Samir Benbelkacem and Mahmoud Belhocine</i> Interactive Space for Management of Documents in a Maintenance Context <i>Samir Benbelkacem, Nadia Zenati-Henda, Mahmoud Belhocine, Abdelkader Bellarbi and Mohamed Tadjine</i> Enhanced Video Error Concealment Based on Motion Vector Prediction Using Kalman Filter <i>Walid El-Shafai, Mohamed El-Sharkawy, Branislav Hrusovsky and Stanislav Marchevsky</i> Unveiling the Support of 3D Representation in Mobile Devices for Pedestrians Navigation Aid <i>Adamu Abubakar Ibrahim, Teddy Mantoro and Waili Tuiexun</i> Shadow Detection Approach Combining Spectral and Geometrical Properties <i>Hakima Asaidi, Abdellah Aarab and Mohamed Bellouki</i> Identification Parameters of MA Model and non-Minimum Phase Channel Using Adaptive Method <i>Jilali Antari, Ahmed Elkhadimi, Abdessamad Malaoui, Said Safi, A. Zeroual, Youssef Zaz, and Mohamed Selim Elkayyali</i> Supervised Identification of non Linear Models Using 3rd Order Cumulants <i>Jilali Antari, Ahmed Elkhadimi, Abdessamad Malaoui, Said Safi, A. Zeroual, Youssef Zaz, and Mohamed Selim Elkayyali</i>

S – III (1)	Intelligent network applications Mobile network architecture Quality-of-service control and scheduling algorithms
	Chairs: <i>Fortino Giancarlo, Università della Calabria – Italy</i> <i>Moulay Driss El Quadghiri, Meknes University - Morocco</i>
May 10, 2012 09h:30-10h:15 & 11h:00-12h:00	A performance robustness study of a High Power Amplifier Pre-distorter based on ANFIS <i>Younes Jabrane, Abdellah Ait Ouahman, Abdelhamid Louliej, Brahim Ait Es Said, Victor Gil Jiménez, and Ana Garcia Armada</i> Transformation by modeling MOF 2.0 QVT: From UML to N-tiers web model <i>Redouane Esbai, Mohammed Erramdani, Samir Mbarki, Ibtissam Arrassen, Abdelouafi Meziane and Mimoun Moussaoui</i> Collaborative filtering recommendation based on research habit of users <i>Ibtissem Gasmí, Hassina Seridi-Bouchelaghem and Hocine Labar</i> MODELS TO GENERATE MOBILITY BASED ON THE BAYESIAN APPROACH FOR VEHICULAR AD-HOC NETWORKS (VANETS) <i>Sadiki Tayeb, Ghogho Mounir, Belgana Ahmed and Bolmalf Mohammed</i> Statistical Analysis of Different Artificial Intelligent Techniques applied to Intrusion Detection System <i>Hind Tribak, Blanca L. Delgado-Márquez, P.Rojas, O. Valenzuela, H. Pomares and I. Rojas</i> Emerging Wireless Technologies In E-Health Trends, Challenges, and Framework Design Issues <i>Mehdia Ajana El Khaddar, Hamid Harroud, Mohammed Boulmalf, Mohammed Elkoutbi and Ahmed Habbani</i> New Routing Protocol “Dicho-AODV” for Energy Optimization in MANETS <i>Boudhir Anouar Abdelhakim, Bouhorma Mohamed, Ben Ahmed Mohamed and El Brak Said</i> Reduction of Power Envelope Fluctuations in ECMA-368 ultra wideband communication system <i>Abdelhamid Louliej, Younes Jabrane, Brahim Ait Es Said and Abdellah Ait Ouahman</i>

S – III (2)	Intelligent network applications Mobile network architecture Quality-of-service control and scheduling algorithms
	Chairs: <i>Narayan C. Debnath, Winona State University - USA</i>
May 10, 2012 13:15h-15h:30	Performance prediction of HARQ Chase Combining with power control for HSUPA system <i>Mohamed Et-Tolba and Samid Saoudi</i> Advanced Passive Clustering Mobility in wireless sensor networks <i>Aouad Siham and El Ghanami Driss</i> Identification of Broadband Radio Access Network Using The Takagui-Sugeno Fuzzy Systems and Higher Order Statistics <i>S. Safi, B.Bouikhalne, A. Boumezough, M. Frikel and M. M'Saad</i> Service Specific Overlay Composition and Reconfiguration <i>Yousif Al Ridhawi, Imad Abdeljaouad and Ahmed Karmouch</i> A Novel Dual Wide C and X Bands Antenna For SAR Applications <i>Morad Meloui, Ibtissam Akhchaf and Mohamed Essaaidi</i> Development of RSA with random permutation and inversion algorithm to secure speech in GSM networks <i>Khaled Merit and Abdelazziz Ouamri</i> Network Selection Algorithm Based on Diff-AHP and TOPSIS in Heterogeneous Wireless Networks <i>Lahby Mohamed, Cherkaoui Leghris and Adib Abdellah</i> Performance Evaluation of AMC turbo Coded OFDM for 3GPP Long Term Evolution downlink system <i>Salima El Makhtari, Mohamed Moussaoui and Hassan Samadi</i> Towards a semantic and MPTCP-based Autonomic Transport Protocol for Mobile and Multimedia Applications <i>Code Diop, Jorge Gomez, Guillaume Dugue, Christophe Chassot and Ernesto Exposito</i> A mobility aware Modified AODV for heterogeneous mobile ad hoc networks <i>Bisengar Ahmed, Ouadoudi Zytoune, Rziza Mohammed and Ouadou Mohammed</i> Enhancing performance OLSR in MANET <i>Ahmed Loutfi and Mohammed Elkoutbi</i>

S – III (3)	Intelligent network applications Mobile network architecture Quality-of-service control and scheduling algorithms Chairs: <i>Rachid Guerraoui -École polytechnique fédérale de Lausanne, Lausanne – Switzerland</i>
May 11, 2012 08h:00-12h:15	<p>A Modified Array Processing Technique Based on Kaiser Window for Concentric Circular Arrays <i>Sultan Aljahdali, Mostafa Nofal and Yasser Albagory</i></p> <p>Overview on Modeling and Design of Stratospheric Mobile Cellular System <i>Sultan Aljahdali, Mostafa Nofal and Yasser Albagory</i></p> <p>A Two-Level Load Balancing Policy For Grid Computing <i>Said El-Zoghdy and Sultan Aljahdali</i></p> <p>Optimal Power Allocation for Maximizing Network Lifetime in Wireless Sensor Networks <i>El Abdellaoui Said, Fakhri Youssef and Aboutajdine Driss</i></p> <p>Satellite Transmissions Survey Based on Handover Quantum Communications Networks <i>Aris Skander, Messai Abderraouf, Abdelghani Djebli, Malek Benslama, Nadjim Merabtine and Mosleh M. Alharti</i></p> <p>OPTIMIZING THE PROCESS OF OLSR CLUSTERING BASED ON MOBILITY AND DENSITY IN AD HOC NETWORKS <i>Ahmed Loutfi and Mohammed El Koutbi</i></p> <p>Single PBCH to increase capacity for LTE Rel-8 <i>Mohammed Jaloun and Zouhair Guenoun</i></p> <p>A Web-Based KM System for Digital Forensics - Knowledge Sharing Capability <i>Mohd Farid Mohd Buang and Dr Salwani Mohd Daud</i></p> <p>Bandwidth impact on bee swarm routing for Vehicular Ad hoc Networks <i>Salim Bitam</i></p> <p>Optimization on OLSR Protocol for Reducing Topology Control Packets <i>Abdelali Boushaba, Adil Benabbou, Rachid Benabbou, Azeddine Zahi and Mohammed Oumsis</i></p> <p>New predictability concept for routing in DTN Comparison between differents routing protocols <i>Mohammad Boudguig and Abdelmounaïm Abdali</i></p> <p>A lightweight Middleware for an e-Health WSN based System using Android Technology <i>Mohammed Boulmalf, Ahmed Belgana, Tayeb Sadiki, Hamid Harroud and Tarik Aouam</i></p> <p>Analysis of Different Pseudo-Random and Orthogonal Spreading Sequences in DS-CDMA <i>Ahmed Ziani, Abdellatif Medouri</i></p> <p>An intelligent platform for the dynamic radio mobile network optimization <i>M. Eddabbah, M. A. Lmater, Y. Zaz and A. El Khadimi</i></p> <p>VNS-RP algorithm for RP selection in multicast routing protocol PIM-SM <i>Baddi Youssef and Mohamed Dafir El Kettani</i></p> <p>A new optimization algorithm for the handover latency in WiMAX mobile networks <i>Grine Mostafa, Najid Abdellah and Messoussi Rochdi</i></p> <p>Sensing Anomalies with an Optimal Filter applied to the Traffic Matrix of an IP Telecommunications Network <i>Slimane Mekaoui, Choukri Benhamed and Kamal Ghoumid</i></p> <p>Toward a solver for planning problems: case of small IT projects <i>Mohammed Ghaouth Belkasm, Bouchentouf Touni and Benazzi Abdelhamid</i></p> <p>A Heuristic Approach to Find Maximal Empty Rectangles on a FPGA <i>Ashish Sebastian Sebastian, Sudarshan Tsb and Alaoui Ismaili Zine El Abidine</i></p>
S – III (4)	Intelligent network applications Mobile network architecture Quality-of-service control and scheduling algorithms Chairs: <i>Rachid Benlamri -Lakehead University, Ontario - Canada</i>
May 11, 2012 15h:15-18h:15	<p>Task Assignment Problems Solved by Continuous Hopfield Network <i>Mohamed Ettaouil, Youssef Hami, Chakir Loqman and Khalid Haddouch</i></p> <p>Graph Coloring and Steganography <i>M.B. Ould Medeni, Sidi Mohamed Douiri, Souad Elbernoussi and El Mamoun Souidi</i></p> <p>Monitoring Multimedia Quality of Service in Public Cloud Service Level Agreements <i>Laith Alsulaiman and Raad Alturki</i></p> <p>Context-aware Service Retrieval in Uncertain Context <i>Madkour Mohcine, Abdelilah Maach Maach and Driss Elghanami</i></p> <p>Dual Antenna for Physical layer UHF RFID collision cancelling <i>BENBAGHDAD Mohamed, METREF Adel and FERGANI Belkacem</i></p> <p>IPv4 and IPv6 Client-Server Designs: The Sockets Performance <i>Teddy Mantoro, Media A. Ayu, Amir Borovac and Aqqiela Z. Z. Zay</i></p> <p>Basic control theory applied to the Active Queue Management model <i>Ichrak Tolaimate and Nourredine Elalami</i></p> <p>A Method to Improve the Viewer's Quality of Experience in IPTV Systems <i>Carlos Eduardo Maffini, Eduardo Ribeiro and Carlos Pedroso</i></p> <p>Hierarchical Scheduling for Heterogeneous Flows <i>Rabie Barhoun and Abdelwahed Namir</i></p>

	New approach for graph coloring <i>Sidi Mohamed Douiri, Souad Elbernoussi and Moulay Rachid Douiri</i> Quality of Service Analysis of Access Scheme of multimedia Traffic in HSPDA Channel using Stochastic Reward Nets <i>Abdelali El Bouchti and Abdelkrim Haqiq</i> Performance Measures of CAC Mechanism in OFDMA System using Shadow Server Approximation <i>Abdelali El Bouchti and Abdelkrim Haqiq</i> OFDM-SDMA SCHEMES IN COGNITIVE RADIO SYSTEMS <i>Mostafa Hefnawi</i>
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S – IV (1)	Web servers and services Internet and Web-Based Systems GNSS and GIS E-learning, Multimedia conferencing, internet phones, and mail
	Chairs: Hayato YAMANA, Waseda University, Tokyo - Japan
May 10, 2012 16h:00-18h:30	A web-based spatial decision support system for effective monitoring and routing problem <i>Elhoussaini Souad and Badri Abdelmajid</i> The Impact of Negative Preferences on a Recommendation Process <i>Latifa Baba-Hamed, Sofiane Abbar and Amine Haouari</i> Evolution Approaches Towards a Service Oriented Architecture <i>Ali Seridi and Seriai Abdelhak-Djamel</i> A Model-driven Approach for Context-Aware Services Composition <i>Hicham Baidouri, Hatim Hafiddi, Mahmoud Nassar and Abdelaziz Kriouile</i> A Dynamic Proxy for Lightweight Web Service Composition <i>Sara Najam, Tom Dinkelaker, Mohamed Erradi and Mohamed Ouzzif</i> Query optimization based on users profile <i>Loubna Cherrat, Mostafa Ezziyyani, Mohammed Essaaidi and Omar Kassara</i> Towards an intelligent information research system based on the human behavior: recognition of user emotional state <i>Mohamed Néji, Mohamed Ben Ammar and Adel M. Alimi</i> Promoting reuse in web services by managing variability <i>Boutaina Chakir, Mounia Fredj and Mahmoud Nassar</i> Web Service Composition: Models and Approaches <i>Hassan Mathkour, Sofien Gannouni and Mutaz Beraka</i> Document Analysis to Provide Semantic Metadata based Ontologies <i>Djamel Nessah and Okba Kazar</i> An MPEG-4 Quadric-based LoD Simplification for Facial Animation <i>Ricardo Leandro Parreira Duarte, Abdennour El Rhalibi, Christopher Carter, Simon Cooper and Madjid Merabti</i>

S – IV (2)	Web servers and services Internet and Web-Based Systems GNSS and GIS E-learning, Multimedia conferencing, internet phones, and mail
	Chairs: Okba Kazar, Biskra university - Algeria
May 11, 2012 08h:00-09h:15 & 11h:15-12h:15	Mobile-to-Mobile Multimedia Streaming using REST-based Mobile Services <i>Aamer Sattar Chaudry, Muzzamil Aziz Chaudhary, Fahad Aijaz and Bernhard Walke</i> PERVICAL4D: A PERVASIVE ON-LINE CALENDAR SYSTEM FOR DEVELOPING COUNTRIES <i>Komla Sehoubo, Fatna Belqasmi and Roch Glitho</i> Affective Rendering: Visual Effect Animations for Affecting User Arousal <i>Masaki Omata, Kazuya Moriwaki, Xiaoyang Mao, Daisuke Kanuka and Atsumi Imamiya</i> A Framework for mapping UML class into XML data based on technical Specifications <i>Noredidine Gherabi, Khaoula Addakiri and Bahaj Mohamed</i> Security of the DNS Protocol Study and implementation of DNSSEC <i>Kaouthar Chetoui, Ghizlane Orhanou, Said El Hajji and Abdelmajid Lakbabi</i> A Model-Driven Approach for Context-Aware Recommendation <i>Mohamed Ramzi Haddad, Hajer Baazaoui, Djamel Ziou and Henda Ben Ghezala</i> Gateway and Cluster Head Election using Fuzzy Logic in heterogeneous wireless sensor networks <i>Said Ben Alla, Abdellah Ezzati and Ahmed Mohsen</i> Physical propagation and Traffic Load Impact on the Performance of Routing Protocols and Energy Consumption in Manet <i>Abdallah Rhattoy and Abdelkarim Zatni</i> An Efficient method to find the Minimum Distance of Linear Codes <i>Mohamed Askali, Said Nouh and Mostafa Belkasm</i> Stemming for Arabic Words Similarity Measures based on Latent Semantic Analysis Model <i>Hanane Froud, Abdelmonaime Lachkar and Said Alaoui Ouatik</i>

S – IV (3)	Web servers and services Internet and Web-Based Systems GNSS and GIS E-learning, Multimedia conferencing, internet phones, and mail Chairs:
May 11, 2012 14h:00-18h:15	A New Mechanism to Ensure Integrity for MapReduce in Cloud Computing <i>Ahmed Bendahmane, Mohamed Essaidi, Ahmed El Moussaoui and Ali Younes</i> A New and Efficient Stemming Technique for Arabic Text Categorization <i>Meryeme Hadni, Said Alaoui Watik and Abdelmonaïme Lachkar</i> An ontology-based approach for semantics ranking of the web search engines results <i>Abdelkrim Bouramoul, Mohamed-Khireddine Kholadi and Bich-Liên Doa</i> binary-weighted, digital-to-analog converter (DAC), UWB, DS-CDMA. <i>Ghassan Kbar, Shady Aly and Bhaa Alhanafi</i> Towards a Multicriteria Spatial Group Decision Support System. Application: Territory Planning <i>Djamila Hamdadou and Karim Bouamrane</i> Improvement of cartographic information for the WMS and WFS Web services <i>Nissrine Souissi, Mohamed El Ghouasli, Khalid Jabri and Michel Mainguenaud</i> An Approach for Diagnosis and Providing Remedial Learning Path <i>Mohammed Al Sarem, Mohammed Ramdani and Mostafa Bellafkih</i> Enriching Services using Agents in Mobile Environments <i>Angela Carrillo-Ramos, Maria Paula Arias-Baez, Luis Guillermo Torres-Ribero, Alexandra Pomares and Enrique González</i> Eye Tracking Analysis in a Virtual Learning Environment <i>Ismail El Haddioui and Mohamed Khaldi</i> A new approach of e-learning-adaptive based on ant colonies optimisation algorithm <i>Samir Allach, Mohammad Essaidi and Mohamed Ben Ahmed</i> Enhancement of Student Learning Environment at Taibah University using Mobile Learning <i>Mohamed Menacer, Ali Almogbel, Amar Arbaoui and Ammar Abbachi</i> ArabicTutor: a Multimedia m-Learning Platform for Learning Arabic Spelling and Vocabulary <i>Abdelkarim Erradi, Sajeda Nahia, Lubna Al-Kailani and Hind Almereki</i> Neural Network Sliding Mode Controller for a Class of Nonlinear Uncertain Systems <i>El-Mahjoub Boufounas, Jaouad Boumhidi and Mohammed Ouriagli</i> Computer supported collaborative learning in problem-based learning of Statistics <i>Rohani Ahmad Tarmizi, Wan Zah Wan Ali, Aida Suraya Mohd Yunus and Sahar Bayat</i> A Web-based tool for teaching context-free grammars by active pedagogy and eMathteacher philosophy <i>Abdelmajid Dargham and Mohammed Serrhini</i> Understanding through Interactive Scaffolding in the Facebook Community <i>Farzaneh Saadati and Rohani Ahmad Tarmizi</i>

S – V	Systems and Networks security Chairs:
May 11, 2012 14h:00-18h:15	Moderate EAP-TLS Protocol A New Approach <i>Ahmed EL-NAGAR, Ahmed ABD EL-HAFEZ and Adel EL-HNAWY</i> Using LDP Fasterroute versus LDPoRSVP in an MPLS core backbone for Convergence enhancement <i>Abdelali Ala, Driss El Ouadghiri and Mohamed Essaidi</i> Integrity Protection in UMTS Radio Access Network Simulation approach under OPNET <i>Ghizlane Orhanou, Said El Hajji and Abdelmajid Lakbabi</i> Revisiting Feature level and Score level Fusion Techniques in Multimodal Biometrics System <i>Sudhamani M J, M K Venkatesha and K R Radhika</i> Network Access Control & Collaborated Network Security <i>Abdelmajid Lakbabi, Ghizlane Orhannou and Said El Hajji</i> BP and Layered-BP performances <i>LAOUINI Nassib, BEN HADJ SLAMA Larbi and BOUALLEGUE Ammar</i> Hypergraph model for anonymous communications <i>Abdelaaziz El Hibaoui and Laurent Vallet</i> Performance Assessment of Tools of the intrusion Detection/Prevention Systems <i>Farhaoui Yousef and Asimi Ahmed</i> Platform based on an embedded system to evaluate the intrusion detection system <i>Saber Mohammed, Emharref Mohamed, Bouchentouf Toumi and Benazzi Abdelhamid</i> A new architecture for detecting DDoS/Brute forcing attack and destroying the botnet behind <i>Zahid Mohammed, Belmekki Abdelhamid and Mezrioui Abdellatif</i> Modeling Embedded Systems with SysML <i>Noura OUERDI, M'hammed ZIANE, Abdelmalek AZIZI and Mostafa AZIZI</i>

	SOASMM: a Novel Service Oriented Architecture Security Maturity Model <i>Meryem Kassou and Laila Kjiri</i> TOWARDS A SESSION BASED OrBAC MODEL <i>Mohamed Amine Madani and Mohammed Erradi</i> Improving Pollard's Rho Attack on Elliptic Curve Cryptosystems <i>Ezzouak Siham, Elamrani Mohammed and Azizi Abdelmalek</i> Three Dimesional Image Encryption Scheme using Daubechies - 4 Wavelet Transform <i>Mohammed Khudair and Raghad Macdici</i> Towards a new generation of Intrusion Detection System (IDS) Know your enemy <i>Mohamed Chiny, Anas Abou El Kalam and Abdellah Ait Ouahman</i>
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S – VI (1)	Electronics, modeling and control systems (Microelectronics and embedded systems)
	<u>Chairs:</u>
May 10, 2012 09h:30-10h15 & 11h:00-12h:00	Simulation of Thermal Effects in 3D Die-Stacked Integrated Circuits <i>Abderrazzak El Boukili</i> Design of a 5-bit 2Gsp/s CMOS D/A Converter for DS-CDMA UWB transceivers <i>Karim El Khadiri and Hassan Qjidaa</i> 0.35µm CMOS 30 Gb/s transimpedance Amplifier <i>Escid Hammoudi and Attari Mokhtar</i> Octave bandwidth stepped quad ridge polarizer <i>Abdelwahed Tribak, Angel Mediavilla, Jamal Zbitou, M. Boussois and Naima Amar Touhami</i> Microwave Microstrip Compact Wide Bandpass Filter <i>Zbitou Jamal, Tribak Abdelwahed, Chakkor Otman and Angel Mediavilla Sanchez</i> FPGA-Based Real-Time Implementation of Distributed System CA-CFAR and Clutter MAP-CFAR with Noncoherent Integration for Radar Detection <i>Houssem Eddine Benseddik, Brahim Cherki, Mhamed Hamadouche and Abdelhakim Khouas</i> 1 GS/s, Low Power Flash Analog to Digital Converter in 90nm CMOS Technology <i>Chakir Mostafa and Qjidaa Hassan</i> Autonomous motorcycles: Towards behavioral modeling of steering systems <i>Mohamed El Amine Khettat, Abderrahmane Boubezoul, Samir Bouaziz and Stéphane Espié</i> PWM with Trim-able Ramp Generator for Class D Amplifier in 90-nm Technology <i>Karim El Khadiri and Hassan Qjidaa</i> Full On-Chip CMOS Low Dropout Voltage Regulator Using MOS Capacitor Compensation <i>Kamal Zared, Hassan Qjidaa and Mohcine Zouak</i> Indirect Miller Effect Based Compensation in Low Power Two-Stages Operational Amplifiers <i>Mohsen Mohammadpour and Masoud Rostampour</i>

S – VI (2)	Electronics, modeling and control systems (Electrical Machines, Power Electronics and Motor Drives)
	<u>Chairs:</u>
May 10, 2012 13h:15-15h:30	New Control Strategy for Inductin Generator-Wind Turbine Connected Grid <i>Mohamed Benchagra, Errami Youssef, Mohamed Hilal, Mohamed Maaroufi, Mohamed Ouassaid and Mohamed Cherkaoui</i> Adaptive Power System Stabilizer using Intelligent Control Techniques -fuzzy logic- <i>Ouissam Belghazi, Mohamed Cherkaoui, Mohamed Taalabi and Moulay Rachid Douiri</i> Nonlinear Control of DC-bus Voltage and Power for Voltage Source Inverter <i>Mohamed Benchagra, Mohamed Hilal, Errami Youssef, Mohamed Maaroufi and Mohamed Ouassaid</i> Nonlinear Control of MPPT and Grid Connected for Wind Power Generation Systems Based on the PMSG <i>Youssef Errami, Mohamed Hilal, Mohamed Benchagra, Mohammed Ouassaid and Mohammed Maaroufi</i> Backstepping Control of the Induction Machine With a Sliding Mode Observer <i>Ahmed Lagrioui, Hassan Mahmoudi, Ahmed Abbou and Malika ZAZI</i> A Novel Fixed-Switching-Frequency DTC for PMSM Drive with Low Torque and Flux Ripple Based on Sinusoidal Pulse With Modulation and Predictive Controller <i>Khalid Chikh, Mohamed Khafallah, A.Allah Saad, Driss Yousfi and Hamid Chaikhy</i> Assessment of Direct Torque Control Strategies for Induction Machine <i>Hamid Chaikhy, Mohamed Khafallah and Abdallah Saad</i> Doubly Fed Induction Generator Wind Farm Fault ride-through capability <i>Mohamed Hilal, Youssef Errami, Mohamed Benchagra, Mohamed Maaroufi, Mohamed Ouassaid and Mohamed Cherkaoui</i> In situ characterization of a wind generator by spectrum analysis method <i>Mesbahi Abdelouahed and Raihani Abdelhadi</i> Multi-objective Optimization of Second Generation Current Conveyors by the ACO Technique <i>Bachir Benhala, Ali Ahaitouf, Abdellah Mechaqrane and Brahim Benlahbib</i>

S – VI (3)	Multi-agent systems
	<u>Chairs:</u>
May 10, 2012 17h:15-18h:30	<p>Direction of Arrival Optimization using Reiterative Super Resolution Algorithm with Neural Networks. A computation optimization for Smart Antennas <i>Ali Elouafiq</i></p> <p>A graph model for optimized scheduling rules of a rule-based forward chaining <i>Mahieddine Mohamed, Hannane Farouk and Benatallah Mohamed</i></p> <p>An Agent-based Mobile Social Network <i>Giancarlo Fortino and Carlos E. Palau</i></p> <p>A Rule-Based Multi-Agent System for Testing Distributed Applications <i>My El Hassan Charaf, Mohammed Benattou and Salma Azzouzi</i></p> <p>Performance measurement of multiprocessor architectures on FPGA(case study: 3D, MPEG-2) <i>Kais Loukil, Tarek Frikha, Niez Bradai, Nouha dhouib, Nader Ben Amor and Mohamed Abid</i></p> <p>An Agent-based Negotiation Model for User-AdaptiveService Provision <i>Hind Saddiki and Hamid Harroud</i></p> <p>Understanding social behavior evolutions through agent-based modeling <i>Mohamed Nemiche, Vicent Caverro and Rafael Pla-Lopez</i></p>

S – VI (4)	Electronics, modeling and control systems (Modeling and control systems)
	<u>Chairs:</u>
May 11, 2012 08h:00-09h:30 10h00-12h:15	<p>A Novel Policy to Reduce the Electrical Cost of a Real Time Control Process Using an On-Line Adaptive Fuzzy Logic Controller <i>Rafik Lasri, Ignacio Rojas and Hector Pomares</i></p> <p>Simulation Effects of Lateral Coupling Between L3 Cavity and Two Quasi Waveguides Bends in 2D Photonic Crystal Bandpass Filter <i>Abdelali Boudissa and Malek Benslama</i></p> <p>Modeling Lipase Production Process Using Artificial Neural Networks <i>Rania Hiary and Alaa Sheta</i></p> <p>Comparison between classical and intelligent DTC strategies for induction machine <i>Hamid CHAIKHY, Mohamed KHAFALLAH, Abdallah SAAD, Khalid CHIKH and Mouna ES-SADI</i></p> <p>Quadratic Stability of Synchronous Machine Via Takagi-Sugeno Fuzzy Control <i>Najat Oualline, Ahmed Rachid and Nouredine Elalami</i></p> <p>Application of Particle Swarm optimisation to optimal of a Water Supply System <i>Mohamed Jerrari and Mourad Elbelkacemi</i></p> <p>Active Vibration Reducing of a One-link Manipulator Using the State Feedback Decoupling and the First Order Sliding Mode Control <i>Mohammed Bakhti and Badr Bououlid Idrissi</i></p> <p>A New Genetic Decoding of Linear Block Codes <i>Ahmed Azouaoui and Mostafa Belkasm</i></p> <p>Sensor Networks localization problem with a new hybrid approach <i>Halima Lakhbab and Souad El Bernoussi</i></p> <p>Using codes over Z4 to reduce PAPR and BER values in OFDM modulation <i>Idriss Chana, Ahmed Azouaoui and Mostafa Belkasm</i></p> <p>Rotor Resistance and Speed Identification using Extended Kalman Filter and Fuzzy Logic Controller for Induction Machine Drive <i>Moulay Rachid Douiri, Mohamed Cherkaoui, Ahmed Essadki and Sidi Mohamed Douiri</i></p> <p>FAULT ACCOMMODATION USING FAULT ISOLATION FILTER: APPLICATION TO THE HEATING SYSTEM <i>Hicham Jamouli, Mohamed Amine El Hail and Dominique Sauter</i></p> <p>Constrained Control Regulator for Linear Continuous-time Systems with a State Observer <i>Atmane Baddou and Ilham Mandour</i></p>

S – VI (5)	Electronics, modeling and control systems (Renewable Energy and Power Systems)
	<u>Chairs:</u>
May 11, 2012 14h00-15h:15	<p>A New Multi-objective Particle Swarm Optimization for Reactive Power Dispatch <i>Hasnae Bilil, Rachid Ellaia and Mohammed Maaroufi</i></p> <p>Feasibility study of a new three-phase HV power supply for industrial microwave generators supplying a single magnetron per phase <i>Naama El Ghazal, Mohammed Ould Ahmedou, Abderrahim Belhaiba, Mohammed Chraygane, Mohammed Ferfra and Boubker Bahani</i></p> <p>Control Strategy for PMSG Wind Farm Based on MPPT and Direct Power Control <i>Youssef Errami, Mohamed Benchagra, Mohamed Hillal, Mohammed Ouassaid and Mohammed Maaroufi</i></p>

	Comparative Study of Maximum Power Point Trackers for Fast Changing Environmental Conditions <i>Hassan Abouobaida and Mohamed Cherkaoui</i> Nonlinear Controller for Stand-alone PV System <i>Hassan Abouobaida, Mohamed Cherkaoui and Elmagri Abdlmoniime</i> New Passive Temperature Sensor based on a sensitive capacitor <i>Asma Bakkali, Abdelouahid Lyhyaoui, Mohammed Reda Britel and Youssef Laghmich</i>
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IWCRN	International Workshop on Cognitive Radio Networks
	Chairs: <i>K.P. Subbalakshmi - Stevens Institute of Technology, Hoboken, NJ - USA</i> <i>Aawatif Hayar - GREENTIC/ENSEM, Hassan II University, Casablanca – Morocco</i> <i>R. Chandramouli - Stevens Institute of Technology, Hoboken, NJ - USA</i> <i>Mohamed Moussaoui - ENSA Tangier, Morocco</i> <i>Ahmed El Oualkadi - ENSA Tangier, Morocco</i>
May 10, 2012 16h00-17h:15	Cognitive Engine Design for Cognitive Radio <i>Salma BOURBIA, Madiha ACHOURI, Khaled GRATI, Daniel LE GUENNEC, and Adel GHAZEL</i> Cognitive Radio Oriented Wireless Networks:Challenges and Solutions <i>Raza Umar and Asrar U. H. Sheikh</i> Cooperative networks: overview of state-of-the-art and trends toward green cooperative networks <i>Sofia Ghacham, Ghassane Aniba, Zouhair Guennoun, and Houda Chafnaji</i> Distributed Architecture for Interference Management in Femtocell Networks <i>Fadoua Mhiri, Kaouthar Sethom, Ridha Bouallegue, and Guy Pujolle</i> Towards an Adaptive QoS-Oriented and Secure Framework for Wireless Sensor Networks in Emergency Situations <i>Rachid HAJI, ABDERRAHIM HASBI, Mohamed GHALLALI, and Bouabid El Ouahidi</i>

Chairs: (*Abdelkrim Haqiq, FST- Hassan 1st Univ, FST - Morocco*)

May 10, 2012
15h:30-16h:00

Schema evolution based on Agglomerative Classification

Meddah Maamar Yacine and Zaoui Lynda

An Approach for Intrusion Detection Based on Data Mining Techniques

Mohd Junedul Haque, Khalid W. Magld and Nisar Hundewale

The fragmentation of data warehouses: An approach based on principal components analysis

Rachid Elmansouri, Omar Elbeqqali, Elhoussaine Ziyati, and Driss Aboutajdine

Performance Analysis and Design of Handoff Scheme in Two Layer Hierarchical Wireless Networks

Zaid Zabanoot

Evaluation of Hybrid Geo-location based on UMTS GPS Technologies

Rachid Saadane, Mostafa Belkasmı and Rachid Dadda

Middleware Model for Wireless Sensor Networks

Basem Y. Alkazemi, Emad A. Felemban, Abdulbasit Z. Abid and Fahad Y. Al-Zahrani

The two first levels of Spider's Web planar graph and The Network planar graph

Essalih Mohamed, El Marraki Mohamed and Aboutajdine Driss

New method to parse invoice as a type the document

Moujabbir Mohammed and Ramdani Mohammed

New method of multispectral image fusion: application to the segmentation of brain tumor MRI images

Nagid Salma, Nsiri Benayad and Idrissi Najlae

A study method of noise effects on the acoustic parameters of speech signal

Falek Leila, Teffahi Hocine and Djeradi Amar

Compressive sampling and signal reconstruction using Orthogonal Matching Pursuit.

Mazari Sarah and Belloulata Kamel

Influence of Dolph-Chebyshev Window on Speech Enhancement

Farid Ykhlef, Hadjer Ykhlef and Abdelkader Aissat

Evolution Study of the Phase and Group Velocities by Choi-Williams and Born-Jordan Time- Frequency Representations

Elhanaoui Abdelkader, Aassif Elhoucein and Maze Gerard

On The Use of Wavelets and Cepstrum Excitation for Pitch Determination in Real-Time

Fadoua Bahja, El Hassan Ibn Elhaj and Joseph Di Martino

Band Selection and Classification of Hyperspectral Images using Mutual Information An algorithm based on minimizing the error probability using the inequality of Fano

Sarhrouni Elkebir, Ahmed Hammouch Hammouch and Driss Aboutajdine

Self-calibration based on a circle of the cameras having the varying intrinsic parameters

Nabil El Akkad, Abderrahim Saaidi and Khalid Satori

High-Resolution Image Via Multiselective Contourlets

Mohamed El Aallaoui and Abdelwahad Gouch

Video Indexing Using Salient Region Based

Spatio-temporal Segmentation Approach

Sameh Megrhi, Wided Souidène, Azeddine Beghdadi and Chokri Ben Amar

New approach for lossless image compression based on MojetteTransform

Djamel Eddine Boukhari, Abdelkarim Ouafi, Zine-Eddine Baarir and Abdelmalik Taleb-Ahmed

Fusion Multispectral Images by Fuzzy-ARTMAP

Alilat Farid and Loumi Saliha

The Eye Says It All: Periocular Region Methodologies

D R Ambika, K R Radhika and D Seshsachalam

3D Object Recognition Using Fuzzy Mathematical Modeling of 2D Images

Alaa Sheta, Abdel Karim Baareh and Mohammad Al-Batah

MFCC and vector quantization for Arabic fricatives Speech/Speaker recognition

Fatma Zohra Chelali and Amar Djeradi

Arabic On Line Characters Recognition Using Improved Dynamic Bayesian Networks

Tlemsani Redouane and Benyettou Abdelkader

On dynamic random particle tracking object

Emadeldeen Noureldaim, Mohamed Jedra and Nouredine Zahid

Dual-tree Complex Wavelet in Medical Ultrasounds Images Restoration

Romain Mavudila Kongo, Lhoussaine Masmoudi, Omar El Kadmiri, Najem Hassanain and Mohamed Cherkaoui

Towards improving Aspects of Security and Scalability of a Medical Telediagnostic Application

Khalid Bouragba, Hicham Belhadaoui, Mohammed Ouzzif and Mohamed Erradi

3D Shape Retrieval using characteristics level images

Abdelghni Lakehal and Omar El Beqqali

Architecture Optimization Model for the multilayer Perceptron and Clustering

Mohamed Ettaouil, Mohamed Lazaar and Youssef Ghanou Ghanou

New Dynamic Ensemble of Classifiers Selection Approach Based on Confusion matrix for Arabic Handwritten recognition

Nabiha Azizi and Nadir Farah

May 10, 2012
15h:30-16h:00

Pattern Recognition of Handwritten Craft Motives Image
Fardousse Khalid and Qjidaa Hassan

Microcalcification Detection Using a Fuzzy Inference System and Support Vector Machines
Younes Kabbadj, Fakhita Regragui and Mohammed Majid Himmi

Noise Reduction in Medical Images- comparison of noise removal algorithms -
H. OULHAJ, A. AMINE, M. RZIZA and D. ABOUTAJDINE

Artificial Bees Colony Optimized Model for Image Restoration and its FPGA Implementation
Saadi Slami, Guessoum Abderrezak, Elaguab Mohamed and Bettayeb Maamar

An Efficient Zonal Sampling Method for Contour Extraction and Image Compression using DCT Transform
Ali Ukasha and Andrzej Dziech

Face detection by an hybrid method: Skin color and eyes detection
Sara -Ghoufran Msed, Abderrahim Saaidi and Khalid Satori

Particle Swarm Method Combined with Cross Exchange Heuristic to Resolve Dial Ride A Problem in Dialysis Center
Lemouari Ali

An efficient system for Arabic Video OCR
Mohamed Ben Halima, Hichem Karray and Adel M. Alimi

Recognizing Human Gait in Video Sequences
Soumia Benbakreti, Samir Benbakreti and Mohammed Benyettou

Car recognition for multiple data sets based on Histogram of Oriented Gradients and Support Vector Machines
Ilias Kamal

Arabic speech continuous recognition system
Ghania Droua-Hamdani, Malika Boudraa and Si Ahmed Selouani

Real-Time Analysis of non-Verbal upper-Body Expressive Gestures
Majdi Dammak, Mohamed Ben Ammar and Adel M. Alimi

Android Mobile Augmented Reality Application Based on Different Learning Theories for Primary School Children
BEHRANG PARHIZKAR, WAQAS KHALID OBEIDY, SHAHAN AHMAD CHOWDHURY, ZAHRA MOHANA GEBRIL, MIKE NG AH NGAN and ARASH HABIBI LASHKARI

Microcalcifications Detection using the Homomorphic Filtering and Wavelet
K.Taifi, S. Safi, B. Bouikhalne, A. Boumezough and M. Fakir

Video objects segmentation and tracking based on multi-agent Systems and SURF descriptor
Mohamed Chakroun, Ali Wali and Adel M. Alimi

Robust Digital Image Watermarking based on joint FABEMD-DCT
Noura Aherrahrou and Hamid Tairi

MPEG4 Parameterization for Facial Deformation
Yamina Bordjiba and Hayet Merouani

An Automatic Method Based on Reinforcement Learning Concepts to Adjust Parameters of Vision Operators
Issam Qaffou, Mohamed Sadgal, and Aziz Elfazziki

Object-based event detection for the extraction of video key-frames
Nadia Mlik, Walid Barhoumi and Ezzeddine Zagrouba

Predict the MOS and the PSNR by the Neural Network
Hasnaa El Khattabi, Ahmed Tamtaoui and Driss Aboutajdine

Medical Image Texture Segmentation using Multifractal Analysis
Redouan Korchyine, Abderrahmane Sbihi, Sidi Mohamed Farssi, Rajae Touahni and Mustapha Tahiri Alaoui

Research dynamic process of the itinerary in an events graph.
Mostafa Ezziyyani, Omar Kassara, Loubna Cherrat and Mohamed Essaaidi

Survey of Soft Computing Techniques for Joint Radio Resource Management
Prakash B Metre, K. R. Radhika and Gowrishankar

Best Selection for Operators starting LTE Deployment towards Voice Services
Youness JOUIHRI and Zouhair GUENNOUN

Design of Tri-Band Amplifier LNA for Mobile Radio Applications 3G and 4G
Ibtissam Akhchaf, Morad Meloui, Samira Khouliji, Mohamed Essaaidi and Mohamed Larbi Kerkeb

A Compact Multi-Band Antenna for Wireless and Mobile Communications
Morad Meloui, Ibtissam Akhchaf and Mohamed Essaaidi

Spanning trees covering the family of 2-connected switched networks
Dounia Lotfi, Mohamed El Marraki and Driss Aboutajdine

Impact of Malware Infection in Mobile Phone: Detection and Prevention Methods
Ghallali Mohamed, El Ouahidi Bouabid, Haji Rachid and Essaaidi Mohammed

Service Entities Model Implementation Guidelines and case study
Abdelouahid Zakriti and Zouhair Guennoun

Forecasting Approach in VANET based on vehicle collision alert
Bektache Djamel, Ghoulmi Nacira and Tolba Cherif

Specification and Verification of Uplink Framework for Application of software engineering Using an RM-ODP
Jalal Laassiri, Krit Salahddine and Said El Hajji

Adaptive Handover Time scheme for Dynamic load balancing in LTE systems
Fatima Elmorabet, Ahmed El Moussaoui and Noura Aknin

Improved Probabilistic Routing in Delay Tolerant Networks
El Mastapha Sammou

May 10, 2012
15h:30-16h:00

Routing protocols for DTN in vehicular environment
Nabil Benamar, Mariya Benamar and Jean Marie Bonnin

Human Perceived Quality-of-Service for Multimedia Applications
Riasat Abbas

Query processing in a data grid environment
Houssam Eddine Ayouni and Hafida Belbachir

Time Petri Nets and Timed Automata for the rescheduling of remote maintenance tasks of a traffic light system in case of resource unavailability
Nadya Belarfaoui, Mustapha Amghar and Hassane Alla

Evaluation and simulation of the operating room:
Case of the National Institute for Oncology (NIO)
Firdaous BENNIS, Mustapha AMGHAR, Nawal SBITI, Wahid CHAOUKI and Abdelmajid ELOUADI

Optimization of assignment problem by the Genetic Algorithms
Tkatek Said, Abdoun Otman and Abouchabaka Jaafar

A Real Time Leaky Bucket Based Admission Control Scheme for VOIP Networks
Sami Alwakeel and Shaker Alghanmi

Posters session II

Chairs:

May 11, 2012
09h:30-10h:00

Investigation on the Optical Gain and Threshold Current Density of Ga1-xInxAs1-y-zNySbz /GaAs Strained Quantum Wells Laser
A. Aissat, S. Nacer, F.Ykhlef and J.P. Vilcot

Information extraction from HTML pages or XML documents by a semantic indexing, using domain ontology
Abdeslem Dennai and Sidi Mohammed Benslimane

3D Reconstruction of Under Water Coral Reef Images Using Low Cost Multi-View Cameras
Pulung Nurtantio Andono, Eko Mulyanto Yuniarno, Mochamad Hariadi and Valentijn Venus

Improve security of web Browser with stand-alone e-Learning awareness application
Mohamed Serrhini, Abdel Aziz Ait Moussa and Abdelmajid Dergham

Enhancing Moodle for offline learning in a degraded connectivity environment
Babacar Ngom, Hervé Guillermet and Ibrahima Niang

Towards an e-Assessment Approach of Algorithmic Problem-Solving Skills using plan-based program understanding approach
Anis Bey and Tahar Bensebaa

AlgoBase: An assessment tool for algorithmic solutions Based on structural matching approach
Abdessemed Myriam and Tahar Bensebaa

A Business Mobile Application: Estimating Financial Time Series Models
Marwa Daraghmi and Alaa Sheta

Collaborative Learning and Wiki Creating a collaborative activity sheet for distance learning via the Wiki tool
Fatima Ibrahimi and Mohammad Essaaidi

Adaptation of a Pedagogical Sequence in the PASCAM System
Mustapha El Ammari and Faddoul KHOUKHI

Analytical Evaluation of the stream cipher ZUC
Ghizlane Orhanou, Said El Hajji, Abdelmajid Lakbabi and Youssef Bentaleb

Modeling of the ISO 27005 Standard
Hanane Bahtit and Boubker Regragui

MultiLevel-OrBAC : Multi-Level Integrity management in organization based access control framework
Amine Baina and Youssef Laarouchi

Design of a New Intrusion Detection System Based on Security Policy at Three Levels
Ali Kartit and Mohamed El Marraki

IB-RSA-OAEP without using SEM
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Elaboration of Software to Calculate the Error Rate in Quantum Optical Transmission Systems
Abderraouf Messai, Skander Aris and Malek Benslama

Purchase of Physical Products Online
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Towards a New Design for Trust Reputation System
Hasnae Rahimi and Hanane Bakkali

Detection of smart card attacks using neural networks
Ilhame El Farissi, Mostafa Azizi and Mimoun Moussaoui

IS risk management process maturity model (ISR3M) Integration of IS life cycle
Mina Elmaallam and Abdelaziz Kiriouile

Multi Agents Architecture to Learn Vision Operators with Their Parameters
Issam Qaffou, Mohamed Sadgal, and Aziz Elfazziki

Context-aware and Adaptive Agent-based Approach for Mobile Learning
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Architecture for Mobile Business based on mobile agent
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Real Time Agent Based Approach for Distributed Testing
Salma Azzouzi, Mohammed Benattou and My El Hassan Charaf

Unsupervised Fuzzy Clustering-based Genetic Algorithms to Travelling Salesman Problem
Khalid Jebari, Abdelaziz El moujahid, Abdelaziz Bouroumi and Aziz Ettouhami

Modified Sum-Product Algorithm for Decoding LDPC Codes
Latifa Mostari, Abdennacer Bounoua, Rachida Meliani and Abdelmalik Taleb-Ahmed

Sensorless Speed Backstepping Control of Induction Machine, Based On Speed MRAS Observer
Moutchou Mohamed, Abbou Ahmed and Mahmoudi Hassan

FPGA Based Hardware Implementation of the Multiple Encryption algorithm AES
Sliman Arrag, Abdellatif Hamdoun, Abderrahim Tragha and Salah Eddine Khamlich

Modeling the power Balance of microwave generator for one magnetron Under Matlab-Simulink code
Abderrahim Belhaiba, Mohamed Ould Ahmidou, Naama Elghazal, Mohamed Chraygane, Mohamed Ferfra and Boubker Bahani

A High Performance Regulated Charge Pump for USB-OTG Transceiver
Slamti Anass and Qjidaa Hassan

SAR Induced by PCMCIA Cards and 3G Modem Antennas for Laptop
Bachir Elmagroud and Abdelhak Ziyat

Artificial Neural Network Based Rotor Resistance Observer for Indirect Vector Controlled Induction Motor Drive
Moulay Rachid Douiri, Ouissam Belghazi, Mohamed Cherkaoui and Sidi Mohamed Douiri

Current-Mode LDO for portable in 90-nm CMOS Technology
Hicham Akhmal and Hassan Qjidaa

Conception of RF Mixer with a 65 nm CMOS Technology Dedicated to Low Power Consumption Wireless Applications
Raja Mahmou and Khalid Faitah

Signal compression with aspect preservation for fast scrolling in biomedical viewers
Abdessamad FALHI and Zouhair GUENNOUN

Properties of convolutional codes under linear systems point of view - A Survey
Laurence Um, Souidi El Mamoun and Isabel Garcia-Planas

High Performance Rx /Tx Antenna for Wireless Applications
Naima Amar Touhami, Mohamed Boussouis, Antonio Tazon and Abdelwahed Tribak

Design to filter a modulated and amplified signal of the class D amplifier
Zouhri Fatima Zohra and Slaoui Khadija

Temperature dependence of the low-field mobility in AlGaIn /GaIn HEMTs
Said Fadlo and HANZAZ Meriem

Design, Optimization and Realization of a Photovoltaic System to the Operation of the Photovoltaic Station Realized in Douar Zragta of the rural Oujda Angad Prefecture
El Hady Baghaz, Mostafa El Ouariachi, Tarik Mrabti, Rachid Malek, Kamal Kassmi, Belkasssem Tidhaf, Farid Bagui and Khalil Kassmi

SCN-TLM Simulation of Femtosecond Optical in a four level two electron atomic system governed by Pauli Exclusion Principle
Hanan El Faylali, Mohamed Iben Yaich and Mohsine Khalladi

Feedback Linearization Design Applied to the Decoupled Twin Rotor MIMO System
Samir Zeghlache, Mohamed Chemachema and Abderrahmane Bouguerra

Sliding mode Control Applied to a Twin Rotor Multi- Input Multi-Output System in Coupled Configuration
Samir Zeghlache, Mohamed Chemachema and Abderrahmane Bouguerra

SLAM Implementation for Autonomous Navigation: a Synthetic Study
M. AZERGUI, A. TAJER, R. LATIF, A. ELOUARDI, and S. BOUAZIZ