

5th International Conference on Multimedia Computing and Systems

 **IEEE Conference**

Palm Plaza Hotel, Marrakech - MOROCCO
29 September – 1 October, 2016

Program and useful information

www.med-space.org/icmcs16

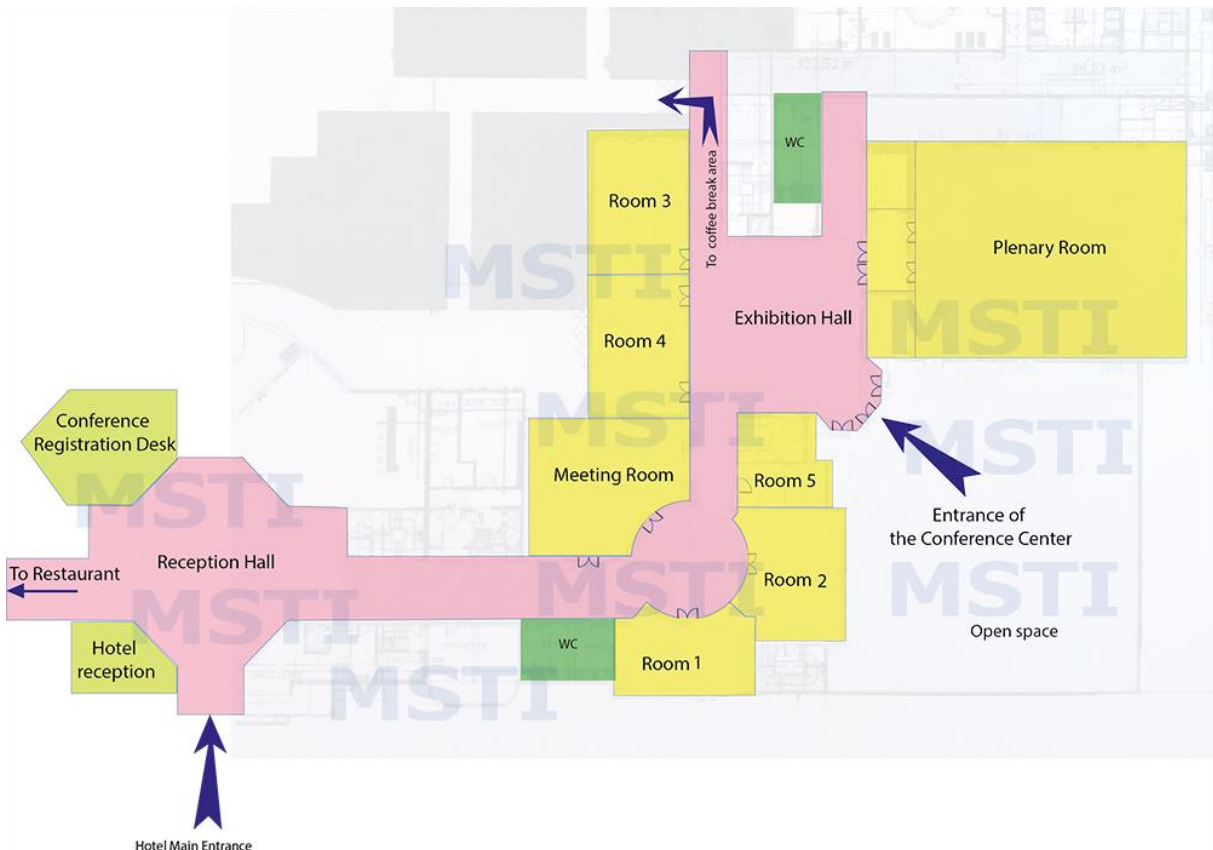
Advanced Program

Session	Topics
S-I	Animation, virtual reality, and 3D imaging Multimedia file systems and databases Audio, image, and video analysis Pattern recognition, Computer Vision, and medical applications
S-II	Internet and Web-Based Systems E-learning, e-gov, and e-commerce Localization and tracking Systems and Networks security Wireless network algorithms and protocols Cloud computing
S-III (MACS)	Modern Antennas and Communication Systems
S-IV	Modeling, processing and transformation Multi-agent systems

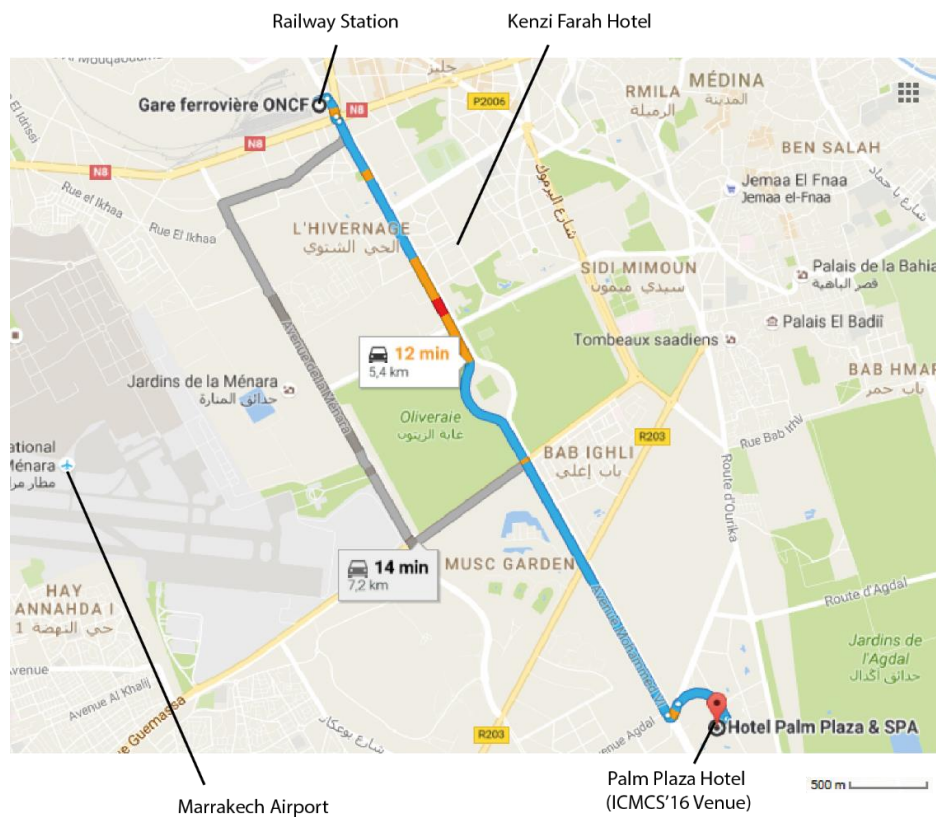
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	Thursday				Friday				Sat. <
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Social Event



ICMCS'16 Venue – Palm Plaza Hotel – Marrakech



Access to Palm Plaza Hotel

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 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.

Keynotes

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KN 1:	Thursday 09:45-10:30	Multimedia Descriptors Prof. Peter Stanchev , Kettering University, Flint, Michigan, USA	
KN 2:	Thursday 11:00-11:45	Intelligent Transportation Systems within Smart City and Smart Region Environments Prof. Francisco Falcone Universidad Pública de Navarra, Spain	
KN 3:	Thursday 15:00-15:45	Fast JPEG compressed domain image retrieval Prof. Gerald Schaefer , Loughborough University, UK	
KN 4:	Thursday 16:45-17:30	Challenges in MMOGs Development and Security Prof. Abdennour El Rhalibi , Liverpool John Moores University, UK	
KN 5:	Friday 11:30-12:15	RFID for Last Few Meters of Internet Of Things Prof. Smail Tedjini , Université Grenoble Alpes, LCIS Lab, Valence, France	
KN 6:	Friday 15:00-15:45	Metalenses and other metamaterials at THz Prof. Miguel Beruete , Universidad Publica de Navarra, Spain.	

Sessions Program

S-I (1)	Animation, virtual reality, and 3D imaging Multimedia file systems and databases Audio, image, and video analysis Pattern recognition, Computer Vision, and medical applications
	Chairs: - Prof. Hiroki Arimura, Hokkaido University, Sapporo, Japan - Prof. Maria Paula Queluz, Lisbon University, Portugal
Thursday 11 :45 – 13:30 & 15:45 – 16:45	Quantification of 3d Tooth Movement after a Segmentation using a Watershed 3d Method (ID-175) Hajar HADDANI, Abdelmejid ELMOUTAOUAKKIL, Fatiha BENZEKRI, Hakima AGHOUTAN, Farid BOURZGUI Kulczynski Similarity Index for Objective Evaluation of Mesh Segmentation Algorithms (ID-254) Fatima Rafii Zakani, Khadija Arhid, Mohcine Bouksim, Mohamed Aboulfatah, Taoufiq Gadi Migration of a Relational Databases to NoSQL: The Way Forward (ID-87) Alae EL ALAMI, Mohamed BAHAI Evaluation of Image Compression Methods for used in Wireless Multimedia Sensor Networks (ID-101) Haouari BENLABBES, Khelifa BENAHMED, Mohammed BELADGHAM, Belkacem DRAOUI Measuring Documents Similarity in Large Corpus Using MapReduce Algorithm (ID-215) Marouane BIRJALI, Abderrahim BENI-HSSANE, Mohammed ERRITALI An Objective 3D Mesh Segmentation Evaluation Using Sokal-Sneath Metric (ID-250) Khadija Arhid, Mohcine Bouksim, Fatima Rafii Zakani, Mohamed Aboulfatah, Taoufiq Gadi Deformable Models based Object Tracking: Challenges and Current Researches (ID-5) Ines Channoufi, Sami Bourouis, Kamel Hamrouni, Nizar Bouguila Features Extraction for Facial Expressions Recognition (ID-44) Anas Abouyahya, Sanaa El Fkihi, Rachid Oulad Haj Thami, Driss Aboutajdine The Number of Spanning Trees in Corona Edge Product of Tree and S-Lenair Chain Map (ID-60) Fouad Yakoubi, Noussaima EL Khattabi, Mohamed EL Marraki Fast and Accurate Algorithm for 3D Local Object Reconstruction using Krawtchouk Moments (ID-169) Abderrahim Mesbah, Mostafa El Mallahi, Zouhir Lakhili, Hassan Qjidaa, Aissam Berrahou Radial Charlier Moment Invariants for 2D Object/Image Recognition (ID-13) Mostafa El Mallahi, A. Mesbah, A. Berrahou, H. karmouni, A. EL affar, A. Tahri, H. Qjidaa A Voice-based Diagnosis System of Parkinson's Disease (ID-27) Fayçal YKHLEF, Farid YKHLEF, Abdeladhime DERBAL Improved Feature Vectors using N-to-1 Gaussian MFCC Transformation for Automatic Speech Recognition System (ID-108) Othman Lachhab, El hassen Ibn El Haj A Novel Efficient 3D Object Retrieval Method Based on Representative Slices (ID-265) Ilyass OUZZANI TAYBI, Rachid ALAOUI, Fatima RAFII ZAKANI, Khadija ARHID, Mohcine BOUKSIM, Taoufiq GADI
S-I (2)	Animation, virtual reality, and 3D imaging Multimedia file systems and databases Audio, image, and video analysis Pattern recognition, Computer Vision, and medical applications
	Chairs: - Prof. William Grosky, University of Michigan-Dearborn, Michigan, USA - Prof. Abdenmour El Rhalibi, Liverpool John Moores University, UK
Friday 09:00 – 10:30 & 11:30 – 13:30	A Robust Speaker Identification System Based on the GFCC Algorithm Combined to the VAD Method (ID-63) El Bachir TAZI Implementation on a FPGA of Edge Detection Algorithm in Medical Image and Tumors Characterization (ID-64) Issam Bouganssa, Mohamed Sbihi, Mounia Zaim Impact of Dead Zone Size on the Rate/Distortion Performance of Wavelet-Based Perceptual Image Encoders (ID-98) Martínez-Rach Miguel Onofre, López Granado Otoniel, Piñol Peral Pablo, Pérez Malumbres Manuel Phase Correlation Method to the Optical Flow using Neuronal Networks (ID-106) Khalid Ghoul, Mohamed Berkane, Mohamed Chawki Batouche

	Using Mel Frequency Cepstral Coefficient Method for Online Arabic Characters Handwriting Recognition (ID-130) <i>Bougamouza Fateh, Hazmoune Samira, Benmohammed Mohammed</i> Automatic Detection & Classification of Static Video Segments (ID-137) <i>Ricardo Almeida, Maria Paula Queluz</i> Robust Principal Components based on Projection Pursuit for Hyperspectral Band Reduction (ID-168) <i>Ibtissam Banit'ouagua, Mounir Ait Kerroum, Ahmed Hammouch, Driss Aboutajdine</i> Bitwise Level Image Permutation Using a Sinusoidal Signal (ID-204) <i>Brahim Nini, Asma Ounzar</i> Robust Video Coding Based on Perceptual Unequal Protection - Macroblocks Classification based on Significant Motion Vectors (ID-249) <i>Ouafae SERRAR, Ahmed TAMTAOUI</i> Evaluation of Spatiotemporal Fusion Methods for High Resolution Daily NDVI Prediction (ID-260) <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) (ID-270) <i>Mouaz Bezoui, Abdelmajid Elmoutaouakkil, Abderrahim Beni-hssane</i> Car Recognition using the Bag of Features Method (ID-162) <i>Ilias Kamal, Jawad Oubaha</i> A New Scheme for Electing Stable MPR Nodes, based on the Mobility Degree and the Residual Energy, for the OLSR Protocol (ID-298) <i>Ali Moussaoui, L'yes Sidhoum</i> Aid to the Medical Diagnosis by Retinal Analysis (ID-126) <i>Kahina BOUCHERK, Zohra AMEUR, Mai Khuong NGUYEN</i>
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S-I (3)	Animation, virtual reality, and 3D imaging Multimedia file systems and databases Audio, image, and video analysis Pattern recognition, Computer Vision, and medical applications
	<u>Chairs:</u> - Prof. Peter Stanchev, Kettering University, Flint, Michigan, USA - Prof. Gerald Schaefer, Loughborough University, UK - Prof. Mohamed El Ansari, FS, Agadir, Morocco
Friday 15:00 – 16:45 & 17:15 – 18:15	Local Edge Detection of an Image using Weighted Pixels Based on their Neighborhood (ID-272) <i>Asma Zitouni, Brahim Nini</i> A Novel Image Detail Preserving Impulse Noise Removal Algorithm (ID-286) <i>Abhinash Kumar Jha, Punjal Agarwal, Gerald Schaefer, Youssef Zaz</i> Brain Image Segmentation using Artificial Bee Colony Optimization and Markovian Potts Model (ID-288) <i>Mohamed BOU-IMAJJANE, Mohamed SBIHI</i> Fast JPEG Compressed Domain Image Retrieval (ID-294) <i>Gerald Schaefer</i> Efficient Electrocardiogram (ECG) Lossy Compression Scheme (ID-25) <i>Anas HATIM, Rachid LATIF, Oussama EL BACHARI, Mounir ARIQUA</i> High Capacity Data Hiding Methods Based on Spline Interpolation (ID-37) <i>Amine BENHFID, El Bachir AMEUR, Youssef TAOUIL</i> Molecular Modeling: Application of Support Vector Machines and Decision Trees for Anti-HIV Activity Prediction of Organic Compounds (ID-125) <i>Imane Bjj, 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 (ID-139) <i>Mohamed Hannat, Nabila Zrira, Younès Raoui, El Houssine Bouyakhf</i> A Comparative Study Between Direct and Indirect Multi-Class Support Vector Machines Applied to the Mental Tasks Recognition (ID-93) <i>Hendel Mounia, Benyettou Abdelkader</i> Speckle Texture Tracking in Echocardiographic Images (ID-146) <i>Nadia Souag, Hamadi Azzedine, Kacem Hicham, Yacine Bouhouita-Guermech</i> An Efficient Registration Method for Medical Images Based on Transform Distance (ID-264) <i>Amina KHARBACH, Amar MERDANI, Benaissa BELLACH, Mohamed RAHMOUN</i> Suspicious Behavior Detection of People by Monitoring Camera (ID-240) <i>Wassima Aitfares, Abdellatif Kobbane, Abdelaziz Kriouile</i>

S-II (1)	Internet and Web-Based Systems E-learning, e-gov, and e-commerce Localization and tracking Systems and Networks security Wireless network algorithms and protocols Cloud computing
	Chairs: - Prof. Daniel Roviras , CNAM, Paris (France) - Prof. Milan Tuba , John Naisbitt University, Belgrade (Serbia)
Thursday 11 :45 – 13:30 & 15:45 – 16:34	Approach for building Services-Oriented Systems Adaptable (ID-65) <i>Issam ELMAGROUNI, Adil KENZI</i> Relaxing the Data Access Bottleneck of Geographic Big-data Analytics Applications using Distributed Quad trees (ID-111) <i>Mayumbo Nyirenda, Hiroki Arimura, Kimihito Ito</i> Towards a Standard WSDL Implementation of Multiview Web Services (ID-144) <i>Anass MISBAH, Ahmed ETTALBI</i> Ensuring video QoE using HTTP Adaptive Streaming: Issues and Challenges (ID-211) <i>Hajer Gahbiche Msakni, Habib Youssef</i> Unveiling confidentiality-related vulnerabilities in an IMS-based environment (ID-57) <i>Ed-daoui Ilyas, Mazri Tomader, Hmina Nabil</i> Access Control in IoT: Survey & State of the Art (ID-79) <i>Aafaf OUADDAH, Hajar MOUSANNIF, Anas ABOU ELKALAM, Abdellah AIT OUAHMAN</i> Mobility Quantification for MultiPoint Relays Selection Algorithm in Mobile Ad Hoc Networks (ID-99) <i>Hicham AMRAOUI, Ahmed HABBANI, Abdelmajid HAJAMI</i> Computation Offloading Decision Algorithm for Energy Saving in 5G/HetNets C-RAN (ID-102) <i>Olfa CHABBOUH, Sonia BEN REJEB, Zied CHOUKAIR, Nazim AGOULMINE</i> Can Hybrid Homomorphic Encryption Schemes Be Practical ? (ID-201) <i>Khalid El Makkaoui, Abderrahim Beni-Hssane, Abdellah Ezzati</i> S-WANE Model: a Real Alternative of DH System (ID-218) <i>Khadidiatou Wane Keita, Bassirou Bodian, Idy Diop, Claude Lishou, Sidi Mohamed Farssi</i> Video Streaming Over Wireless Network by CABAC Arithmetic Coding with Generalized FNT Transform (ID-112) <i>Ayad A. Abdulsalam</i> CRY OLSR : Crypto Optimized Link State Routing for MANET (ID-198) <i>Fouzi Semchedine, Ali Moussaoui, Khadidja Zouaoui, Sarra Mehamel</i> Efficient Implementation of Low Cost Random Number Generation in Wireless Sensor Networks (ID-48) <i>Kacem Halim, Glaoui Mohamed, Ali Gharsallah</i> Specification-based Intrusion Detection System for Ad hoc networks (ID-115) <i>Abdelaziz Amara korba, Mehdi Nafaa, Salim Ghanemi</i>

S-II (2)	Internet and Web-Based Systems E-learning, e-gov, and e-commerce Localization and tracking Systems and Networks security Wireless network algorithms and protocols Cloud computing
	Chairs: - Prof. Miguel Onofre Martinez Rach , UNIV. Miguel Hernandez (Spain) - Prof. Hajar Mousannif , FS – Marrakesh University (Morocco)
Friday 09:00 – 10:30 & 11:30 – 13:30	New Offload Decision Algorithm from LTE-Advanced to Wireless Mesh Network (ID-94) <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 (ID-122) <i>Nabil Nissar, Najib Naja, Abdellah Jamali</i> Comparative study of MPR selection algorithms based on Statistical Model Checking (ID-128) <i>Omar BARKI, Zouhair GUENNOUN, Adhane ADDAIM</i>

	Minimizing energy consumption in IPv6 for Small Objects Network (ID-132) <i>Ali El Ksimi, Cherkaoui Leghris, Faddoul Khoukhi</i> Fuzzy Utility Decisional Vertical Handover Algorithm for Enhancing Network Performances (ID-246) <i>Amal Kammoun, Nabil Tabbane</i> Optimum Relay Location and Power Allocation of Cooperative Decode-and-Forward Dual-Hop ARQ Networks (ID-276) <i>Ali Kamouch, Abdelaali Chaoub, Zouhair Guennoun</i> Car to Car Communication in VANET using Co-operative Mobility Services of the Future (CoMoSeF) (ID-296) <i>Laura Carolina Dasuha, Teddy Mantoro</i> A New Efficient Distributed Computing Middleware based on Cloud Micro-Services for HPC (ID-46) <i>Fatéma Zahra Benchara, Mohamed Youssfi, Omar Bouattane, Hassan Ouajji</i> Towards A Secure Cloud Database using Paillier's Homomorphic Cryptosystem (ID-51) <i>Mbarek Marwan, Ali Kartit, Hassan Ouahmane</i> Secure Cloud-Based Medical Image Storage using Secret Share Scheme (ID-52) <i>Mbarek Marwan, Ali Kartit, Hassan Ouahmane</i> On Video Stream Encryption Efficiency for Mobile Cloud System (ID-228) <i>Nouha Samet, Asma Ben Letaïfa, Mohamed Hamdi, Sami Tabbane</i> ISA-based Model for Risk Assessment in Cloud Computing Environment (ID-259) <i>Amal BENFATEH, F. GHARNATI, T. AGOUTI</i>
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S-II (3)	Internet and Web-Based Systems E-learning, e-gov, and e-commerce Localization and tracking Systems and Networks security Wireless network algorithms and protocols Cloud computing
	Chairs: - Prof. Aoued Boukelif, University of S.B.A, Oran (Algeria) - Prof. Mohamed Bakhouya, UIR (Morocco)
Friday 15:00 – 16:45 & 17:15 – 18:15	A Machine Learning Approach to Identify and Track Learning Styles in MOOCs (ID-248) <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 (ID-14) <i>Mohamed Abouzahir, Rachid Latif, Abdelouahed Tajer, Abdelhafid Elouardi, Samir Bouaziz</i> Node Localization in Ad Hoc Wireless Sensor Networks Using Fireworks Algorithm (ID-50) <i>Eva Tuba, Milan Tuba, Marko Beko</i> Learning Design Approaches for Designing Learning Environments : A comparative study (ID-89) <i>Amal Battou</i> Design of a Reconfigurable Digital Decimation Filter for Flexible GNSS Receivers (ID-131) <i>Jihen Thabet, Rim Barrak, Nadia Khouja, Adel Ghazel</i> A New Kalman Filter-Based Algorithm to Improve the Indoor Positioning (ID-216) <i>Mohamed Nabil, M. B. Abdelhalim, Ashraf AbdelRaouf</i> Localization of Rolling Stock within the Railway Network Model utilizing of Web Services (ID-238) <i>Jan Fikejz, Josef Borzek</i> A Lingua Franca to Design, Implement and Test Intelligent Software-Defined GNSS Receivers (ID-278) <i>Mourad GHAFIRI, Ilham ELHANDAOUI, Ahmed EL KHADIMI</i> Survey on Indoor localization System and Recent Advances of WIFI Fingerprinting Technique (ID-289) <i>Chaimaa BASRI, Ahmed EL KHADIMI</i> Implementation of a Robust Intelligent GNSS Receiver based on BOC Modulation Approach: An Overview (ID-290) <i>Ilham ELHANDAOUI, Mourad GHAFIRI, Ahmed EL KHADIMI</i> Ultra Low Power Consumption, Short Transmission Time and Efficient Data Coding Wireless Communication Technology for MWSNs (ID-231) <i>Anouar Darif</i>

S-III (1)	Modern Antennas and Communication Systems (MACS)
	Chairs: - Prof. Smail Tedjini , Université Grenoble Alpes, LCIS Lab, Valence (France) - Prof. Lotfi Osman , University of Carthage (Tunisia)
Thursday 11 :45 – 13:30 & 15:45 – 16:34	Frequency Reconfigurable Multiband Meander Patch Antenna for Cognitive Radio with Wide Tuning Frequency Range (ID-7) <i>Jean Marie FLOC'H, Imen BEN TRAD, Ines ROUISSI</i> Enhancement of Bandwidth and Gain of a Multilayer Circularly Polarized DRA (ID-15) <i>Hamed Gharsallah, Lotfi Osman, Lassaad Latrach</i> A Multistandard and Multiservice Radio over Fiber System for Next Generation Networks (ID-35) <i>Sarra Rebhi, Rim Barrak, Mourad Menif</i> Design of Dual-band Textile Antenna for 2.45/5.8-GHz Wireless Applications (ID-54) <i>Ameni Mersani, Lotfi Osman</i> Soft Output Detection for MIMO Systems using Binary Polar Codes (ID-71) <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 (ID-83) <i>Rawia Ouali, Lotfi Osman, Tchanguiz Razban, Yann Mahé</i> Design of Substrate Integrated Waveguide Cavity Bandpass Filters (ID-91) <i>Ahmed Rhbanou, Mohamed Sabbane, Seddik Bri</i> Design of a 5.8 GHZ Rectenna by using Metamaterial inspired Small Antenna (ID-95) <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 (ID-120) <i>Marwa Zamali, Lotfi Osman, Hedi Ragad, Mohamed Latrach</i> Miniaturized Design of Nested-slot RFID Antenna with Split Ring Resonator (SRR) (ID-33) <i>Hanane Nasraoui, Youssef Mouzouna, Ahmed Mouhsen, Jamal El aoufi, Mohamed Taouzari, Ghizlane Chababi, Otman El Mrabet</i> Miniaturized Meander Antenna using Low Cost Paper Substrate (ID-161) <i>Y. Mouzouna, H. Nasraoui, A. Mouhsen, J. El aoufi, G. Chababi</i>

S-III (2)	Modern Antennas and Communication Systems (MACS)
	Chairs: - Prof. Francisco Falcone , Universidad Pública de Navarra (Spain) - Prof. Otman El Mrabet , UAE (Morocco)
Friday 09:00 – 10:30 & 12:15 – 13:30	Compact Triband CPW-Fed F-Shaped Monopole Antenna with Inverted L-Slot for 2.1-GHz/WLAN/WiMAX Applications (ID-135) <i>Ahmed Zakaria Manouare, Abdelaziz El Idrissi, Abdelilah Ghammaz, Saida Ibnyaich</i> Varactors Nonlinear Effects in Tunable RF filters (ID-142) <i>Ali Othman, Rim Barrak, Mohamed Mabrouk</i> A Novel Design of a Microstrip Negative Resistance Microwave Oscillator in the ISM Band (ID-155) <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 (ID-156) <i>Imen Jouili, Kawther Hassine, Mounir Frikha</i> Reconfigurable T-Shaped Antenna for S-Band Applications (ID-171) <i>Omar El Maleky, Farid Ben Abdelouahab, Mohamed Essaaidi, Laila Ajana</i> Improvement of Notch Performances for UWB Monopole Antennas Using CSRR and SSRR (ID-173) <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 (ID-182) <i>Hanen Mehrez, Rim Barrak, Adel Ghazel, Muriel Muller, Ghalid Abib</i> Active-RFID System Operating in Heavy Environmental Conditions to Aid the Production Cycle of Bentonite-coal Dust Mixtures for Foundries (ID-190) <i>Gian Luigi Gragnani, Claudio Montecucco</i> Dual Band CPW-Fed Annular Slot Antenna for WLAN (802.11) Application (ID-174) <i>Zakaria Mahlaoui, Adnane Latif, Hamza Benchakroun</i> CMOS Design of a Boost-Buck Regulator with High Efficiency for a Wireless Sensor Network Deployed for Large Aircraft In-Flight Tests (ID-268) <i>Hicham Akhamal, Mostafa Chakir, Hassan Qjidaa</i> Robustness Optimization for Solving the Deployment of RFID Readers Problem (ID-280) <i>Abdelkader Raghib, Badr Abou El Majd, Ouail Ouchetto, Brahim Aghezzaf</i>

S-III (3)	Modern Antennas and Communication Systems (MACS)
	Chairs: - Prof. Jean Marie Floch , INSA, Rennes (France) - Prof. Miguel Beruete , Universidad Publica de Navarra (Spain)
Friday 15:45 – 16:45 & 17:15 – 18:15	New electrical model, simulation and optimization of a high voltage power supply for industrial microwave generators with two magnetrons, 1600 watts at 2.45GHz (ID-202) <i>R. BATIT, M. CHRAYGANE, A. DSOU, H. OUTZGUINRIMT, M. LAHAME, M. FERFRA</i> A High Gain Novel Dielectric Resonator Antenna (NDRA) for Anti-collision Short Range Radar (SRR) Application (ID-203) <i>Abderrahim HADDAD, Mohssin AOUTOUL, Khalid RAIS, Mohamed ESSAAIDI</i> Slotted Patch Antenna Loaded With Ferrite (ID-236) <i>Fatima Zahra HANIN, Larbi SETTI</i> A New Compact CPW-Fed Dual-Band Monopole Antenna for RFID Applications (ID-239) <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 (ID-241) <i>Younes Ahajjam, Otman Aghzout, Jose M. Catala-Civera, Felipe Penaranda-Foix, Abdellah Driouach</i> 2x2 MIMO Spatial Diversity for Radio over Fiber System at 60 GHz Using TSV Model (ID-291) <i>Moussa EL YAHYAUI, Ali EL MOUSSATI</i> Reduction of Four-Wave Mixing Nonlinear Effects in Dense WDM Optical Long-Haul Networks (ID-189) <i>Fahd CHAOUI, Otman AGHZOUT, Ana Vazquez Alejos, Francisco Falcone, Mounia CHAKKOUR, Mounir EL YAKHLOUFI</i> Design of Superdirective and Compact Antenna Array (ID-147) <i>Saber DAKHLI, Hatem RMILI, Jean-Marie FLOC'H, Fethi CHOUBANI, Muntasir SHEIKH</i> A UHF RFID Tag Antenna with Improved Bandwidth (ID-187) <i>M.A. Ennasar, I. Aznabet, O. El Mrabet, M. Essaaidi, S. Tedjini</i>

S-IV (1)	Modeling, processing and transformation Multi-agent systems
	Chairs: - Prof. Gian Luigi Gragnani , University of Genoa (Italy) - Prof. Abdelkrim Haqiq , FST- Hassan 1st Univ, FST (Morocco)
Thursday 11 :45 – 13:30 & 15:45 – 16:34	Wavelet Networks for MAI cancellation in MC-DS/CDMA (ID-1) <i>Taoufiq Ait Benrami, Younes Jabrane, Jilali Antari, Radouane Iqdour</i> Very High Efficiency Differential Chaos Shift Keying System with Walsh Hadamard codes (ID-18) <i>Fadia Taleb, Daniel Roviras, Fethi Tarik</i> On Soft Combined Turbo Codes Performance Over Rayleigh Fading Channel (ID-21) <i>Salima El Makhtari, Mohamed Moussaoui, Hassan Samadi</i> On the Terminal Wiener index of networks (ID-49) <i>Meryam Zeryouh, Mohamed El Marraki, Mohamed Essalih</i> Control of Complex Dynamical Systems based on Direct Torque Control of an Asynchronous Machine (ID-53) <i>Zineb Mekrini, Bri Seddik</i> Modeling a Surveillance Architecture Giving a High Availability and Resilience Based on Wireless Sensor Networks (ID-59) <i>Ayoub Marzak, Hicham Belhadaoui, Mohamed Hamraoui, Abdessamad Mektoubi</i> Performance Evaluation of Software-Defined Networking Architectures Using Network Calculus (ID-154) <i>S. Zerrik, D. El Ouadghiri, M. Bakhouya</i> Dynamic Hybrid Approach for Reusable Containers Management in a Close-loop Supply Chain (ID-160) <i>Mohammed Rida ECH-CHARRAT, Khalid AMECHNOUE</i> Study of New Three Phase Voltage Source PWM Rectifier, Via Fuzzy and IP Controller for Output Voltage Regulation (ID-188) <i>Jawad Lamterkati, Mohamed Khafallah, Lahcen Ouboubker, Aziz El Afia</i>

S-IV (2)	Modeling, processing and transformation Multi-agent systems
	Chairs: Prof. Fikejz Jan , University of Pardubice (Czech Republic) Prof. Hajji Bekkay , ENSA, Oujda (Morocco)
Friday 09:00 – 10:30 & 12:15 – 13:30	Complexity of Closed Networks Based on Spanning Tree Approach (ID-163) <i>Hajar SAHBANI, Mohamed El Marraki</i> Hidden Markov Model for a Self-Learning of Simulated Annealing Cooling Law (ID-165) <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 (ID-178) <i>Souhail Haggui, Fatma Rouissi, Yosra Mlayeh, Fethi Tlili</i> Empirical Modeling of the Narrowband Power Line Communication Channel (ID-186) <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 (ID-188) <i>Jawad Lamterkati, Mohamed Khafallah, Lahcen Ouboubker, Aziz El Afia</i> Sensorless Vector Control of Induction Motor Using an EKF and SVPWM Algorithm (ID-207) <i>Yassine Zahraoui, Chaymae Fahassa, Mohamed Akheraz, Abderrahim Bennassar</i> DC Motor Position Control of a Solar Tracking System Using Second Order Sliding Mode (ID-224) <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 (ID-226) <i>Marouane El Azzaoui, Hassane Mahmoudi, Chafik Ed-dahmani</i> Modeling of the Tickness of a Submerged Tube by the Artificial Neural Network (ID-192) <i>Y. Nahraoui, E.H. Aassif, G. Maze</i>

S-IV (3)	Modeling, processing and transformation Multi-agent systems
	<u>Chairs:</u> - Prof. William Grosky , University of Michigan-Dearborn, Michigan (USA) - Prof. Abdellatif El Afia , ENSIAS, Rabat (Morocco)
Friday 15:45 – 16:45 & 17:15 – 18:15	Test Case Generation for Java Bytecode Programs Annotated with BML Specifications (ID-234) <i>Safaa Achour, Mohammed Benattou</i> Context Modeling Architecture in Pervasive Computing Environments for Multimedia Documents Adaptation (ID-263) <i>Hajar KHALLOUKI, Mohamed BAHAI</i> A Performance Evaluation of Broadcasting Algorithms in Wireless Nanosensor Networks (ID-277) <i>Ayoub Oukhatar, Mohamed Bakhouya, Driss El Ouadghiri, Khalid Zine-Dine</i> Towards learning integral strategy of Branch and Bound (ID-279) <i>Mohamed Mustapha KABBAJ, Abdellatif EL AFIA</i> Multi-agent Control Architecture for Autonomy Optimization Applied to Hexacopter (ID-141) <i>Redouane Dargham, Adil Sayouti, Hicham Medromi</i> A Novel Based Hidden Markov Model Approach for Controlling the ACS Evaporation Parameter (ID-148) <i>Safae Bouzbita, Abdellatif El Afia, Rdouan Faizi</i> A Performance Evaluation of Broadcasting Algorithms in Wireless Nanosensor Networks (ID-277) <i>Ayoub Oukhatar, Mohamed Bakhouya, Driss El Ouadghiri, Khalid Zine-Dine</i>

Posters (1)	Chairs: Prof. Gerald Schaefer, Loughborough University (UK) Prof. Rachid Saadane, LETI-EHTP, Casablanca (Morocco)
Thursday 17:30 – 18:30	Still Image Compression Using Curvelets and Logarithmic Scalar Quantization Technique (Draft) (ID-9) <i>Oussama Kadri, Zine-Eddine Baarir</i> Basic Emotions Detection using Kohonen Self-Organizing MAPs (ID-143) <i>Kenza BELHOUCHE, Mohamed BERKANE, Hacene BELHADEF</i> Comparative Study of the Descriptive Features on the Performance of Re-identification (ID-45) <i>Kaoutar JDEB, Mohammed RZIZA, Tarik LJOUD, Ayoub AL-HAMADI</i> Sky status : A Local Analysis of Ground Based Digital Images (ID-282) <i>Salah Moughyt, Youssef Zaz, Samia Fathi, Omar El Kadmiri</i> Overview on Automatic Detection of Human Body (ID-297) <i>Nagi OULD TALEB, Adil CHERGUI, Mohamed Larbi BEN MAATI, Mohamedade Farouk NANNE</i> A Funnel Based Joint Dual Mobile Service Discovery and Exposure Model (ID-140) <i>Walid El Ayebe, Zied Choukair</i> A New Method to Reduce the Bandwidth of IPTV Systems (ID-157) <i>El Hassane Khabbiza, Rachid El Alami, Hassan Qjidaa</i> User Interest Center Based on a Semantic User Profile (ID-164) <i>Amine LABRIJ, Salma CHARKAOUI, Issam ABDELBAKI, Abdelwahed NAMIR</i> Detecting Website Vulnerabilities Based on Markov Chains Theory (ID-180) <i>Ayachi Yassine, Rahmoune Nouredine, El Hassane Ettifouri, Jamal Berrich, Bouchentouf Toumi</i> Setting up a Self-learning IDS Based on Markov Chains Theory (ID-197) <i>Ayachi Yassine, Rahmoune Nouredine, El Hassane Ettifouri, Jamal Berrich, Bouchentouf Toumi</i> A Digital Revolution In Nursing Education-The Serious Games (ID-183) <i>Elaachak Lotfi, Belahbib Amine, Bouhorma Mohammed</i> Integration of a Metacognitive Agent in Interactive Learning Environments to Enhance Learning (ID-208) <i>Hanane Elbasri, Mohamed Taib MOHTADI, Hakim ALLALI, Abdelmajid HAJAMI</i> Trace-based System For Metacognitive Behavior in Online Learning Activity (ID-251) <i>Mohamed Taib MOHTADI, Adel DERAOU, Hakim ALLALI, Abdelmajid HAJAMI</i> Business-Oriented Customer Experience Management (ID-199) <i>Nabil TORJEMEN, Nabil TABBANE, Ghayet El Mouna ZHIOUA</i> Reduction of Energy Consumption in WSN using the Generalized Pythagorean Theorem (ID-227) <i>Saleh Bouarafa, Driss Aboutajdine, Rachid Saadane</i> Path Reliability Metric for proactive MANET Routing (ID-275) <i>Abdelkabar Sahnoun, Jamal El Abbadi, Ahmed Habbani</i> Big Data Emerging Issues: Hadoop Security and Privacy (ID-274) <i>Karim ABOUELMEHDI, Aderrahim BENI-HSSANE, Hayat Khaloufi, Mostafa SAADI</i> Still Image Compression Using Curvelets and Logarithmic Scalar Quantization Technique (Draft) (ID-9) <i>Oussama Kadri, Zine-Eddine Baarir</i> A GPU-Based Breast Cancer Detection System using Fuzzy C-Means Clustering Algorithm (ID-229) <i>Shadi M. AlZu'bi, Ansam M. Abu-Dalo, Mahmoud Al-Ayyoub, Yaser Jararweh, Mohammad A. Alsmirat</i> A 90nm CMOS « LDO » Regulator with High Load Regulation using a Gain Boost-Up Technique (ID-258) <i>Hicham Akhamal, Mostafa Chakir, Hassan Qjidaa</i> Traditional, Web-based or Internet-enabled ERP Systems Adoption for SMEs in Developing Countries (ID-72) <i>Achargui AmineArrahmane, Zaouia Abdellah</i> Impact of Seasonal ARIMA Workload Prediction Model on QoE for Massively Multiplayers Online Gaming (ID-85) <i>Eya DHIB, Khaled BOUSSETTA, Nawel ZANGAR, Nabil TABBANE</i> Meander-Line UHF RFID Tag Antenna loaded with Split Ring Resonator (ID-193) <i>I. Aznabet, M. Ennasar, O. EL Mrabet, S. Tedjini, M. Khalladi</i> Geographic Routing Protocols Comparison using Multicriteria Analysis (ID-66) <i>Hanane AZNAOUI, Said RAGHAY, Layla AZIZ</i>

	A Review of Location based Routing Protocols for Home Automation (ID-68) <i>Layla AZIZ, Said RAGHAY, Hanane AZNAOUI, Abdellah JAMALI</i>
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Posters (2)	Chairs: - Prof. Jean Marie Floch , INSA, Rennes (France) - Dr. Hafid Griguer , EMSI, (Morocco) - Prof. Otman El Mrabet , UAE, (Morocco)
	Design and Simulation of PLL Frequency Synthesizer for LTE Mobile Communications (ID-104) <i>Berber Zakia, Kameche Samir</i> Coupled Selective Electromagnetic Waves in 1D Photonic Crystal with Two Planar Cavities (ID-172) <i>Amina Ghadban, Afaf Bouzidi, Driss Bria, Kamal Ghoumid</i> Meander-Line UHF RFID Tag Antenna loaded with Split Ring Resonator (ID-193) <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 (ID-243) <i>Souhail Haggui, Fatma Rouissi, Yosra Mlayeh, Fethi Tlili</i> Modified Step Size Patch Array Antenna for UWB Wireless Applications (ID-284) <i>Hamid Aslani, Ahmed Radwan</i> Verification and Validation of PDDL Descriptions using Event-B Formal Method (ID-287) <i>Farah Fourati, Mohamed Tahar Bhiri, Riadh Robbana</i> How Can we Make More Intelligent the Semantic Evaluation of Rolap Queries? (ID-3) <i>Naoual MOUHNI, Abderrafaa EL KALAY, Mohamed CHAKRAOUI</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) (ID-149) <i>Chaymae Fahassa, Yassine Zahraoui, Mohamed Akherraz, Abderrahim Bennassar</i> Buck Converter MPPT Control of a Photovoltaic System (ID-225) <i>Karima Boudaraia, Hassane Mahmoudi, Ahmed Abbou, Mohamed Hilal</i> Comparative Study of Modulation Techniques Performances for Communication over Narrowband Powerline Channel Characteristics (ID-247) <i>Safa Najjar, Fatma Rouissi, H��la Gassara, Adel Ghazel</i> A multi-agent based on Ant Colony Model for Urban Traffic Management (ID-158) <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 (ID-179) <i>Walid DAHHANE, Jamal BERRICH, Toumi BOUCHENTOUF, Mohammed RAHMOUN</i> Teaching and Learning Sustainably with Web 2.0 Technologies Benefits, Barriers and Best Practices (ID-92) <i>Aoued BOUKELIF, Hasnia MERZOUG, Hadjer SAADI, Aicha Beya MAMMERIA, Fatiha Faty Aiboud, Malika Cherradi, Bochra Cherni</i> Metacognitive Scaffolding of Learning Activities Supported By Moodle Platform (ID-220) <i>Adel DERAOU, Abdelhakim ALLALI, Hajjami abed elmajid</i> Cooperation between Back Pressure and QoS Routing to improve end-to-end dependability of service (ID-39) <i>Olfa BEN AHMED, Zied CHOUKAIR</i> A Survey on Big Data Interoperability (ID-88) <i>Omar HAJOU, Mohamed TALEA, Zouhair Ibn BATOUTA, Rachid DEHBI</i> Reconfigurable antenna techniques: A Survey (ID-257) <i>Omar El Maleky, Farid Ben Abdelouahab, Mohamed Essaaidi, Laila Ajana</i> E-APL: a QoS-APCVS Congestion Control Solution to Improve Non Real Time Services Dependability (ID-55) <i>Olfa Ben Ahmed, Zied Choukair</i> Analysis and Simulation of Microwave Systems (ID-78) <i>Malika Ourabia</i> Overview of Wideband Butler Matrix in Microstrip Slot Technology for Beamforming Antenna Applications (ID-121) <i>Imen Sfar, Lotfi Osman</i>

Friday
10:30-11:30

	Design and Characterization of Patch Antenna Mounted on a Substrate of Plastic Materials (ID-86)
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G. Chababi, A. Mouhsen, J.El Aoufi, Y. Mouzouna, H. Nasraoui

	A Middleware Architecture for RFID-enabled Traceability of Air Baggage (ID-184)
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T. Bouhouche, A. Raghib, B. Abou El Majd, M. Bouya, M. Boulmalf

	Recognition of 3D Faces with Missing Parts based on SIFT and LBP Methods (ID-10)
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Contact

<i>Abdelaaziz El Hibaoui</i> <i>a.hibaoui@gmail.com</i> <i>+212 (0) 677 507 231</i>	<i>Omar El Kadmiri</i> <i>archimonde2001@gmail.com</i> <i>+212 (0) 600 615 851</i>	<i>Youssef Zaz</i> <i>zaz@med-space.org</i> <i>+212(0) 662 102 167</i>
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