



Sidi Mohamed Ben Abdallah
University Fes, Morocco



The IEEE International Conference on Intelligent
Systems and Computer Vision 2015



Faculty of Sciences
Dhar Mahraz Fes,
Morocco

Program Schedule

Wednesday, March 25, 2015

08:00 am - 09:00 am	Reception & Registration
09:00 am - 09:30 am	Opening Ceremony
09:30 am - 10:30 am	<p style="text-align: center;">Room 1</p> <p>Keynote Speech 1: Relationship and Event Detection in Social Medias Richard CHBEIR, University of Pay and Adour Countries, France</p>
10:30 am - 10:50 am	Break
<p>10:50 am - 12:30 pm <i>(parallel sessions)</i></p>	<p style="text-align: center;">Room 1</p> <p>Session 1: Machine learning and Optimization Chair: Djamel BOUCHAFFRA, Oakland University, Michigan, USA Co-chair: Azedine ZAHI, FST Fez, Morocco</p> <hr/> <p><i>Sallami Choug dali, Asmaa Roudane, Khalifa Mansouri, Mohamed Youssfi and Mohammed Qbadou.</i> New model for aircraft landing scheduling using real time algorithms scheduling.</p> <hr/> <p><i>Mohammed Tahifa, Jaouad Bounhidi and Ali Yahyaouy.</i> Swarm Reinforcement Learning for traffic signal control based on cooperative multi-agent framework.</p> <hr/> <p><i>Ilham Aarab, Abdellah Madani and Mohamed Kissi.</i> Optimizing Self-organizing method in traffic lights with PSO algorithm in a single junction modeled with a cellular automaton.</p>

	<p><i>Omar Elamine Didi, Jaouad Boumhdi and El Habib Nfaoui. Multi-Agent System based on Fuzzy Control and Prediction using NN for Smart Microgrid Energy Management.</i></p> <p><i>Lamyae Bennis and Said Benhlime. Comparative study of the process model of Serious Game Design through the generic model DICE.</i></p>
<p>10:50 am - 12:30 pm <i>(parallel sessions)</i></p>	<p style="text-align: center;">Room 2</p> <p>Session 2: Data mining</p> <p>Chair: Richard CHBEIR, University of Pay and Adour Countries, France Co-chair: Nouredine CHENFOUR, FS Fez, Morocco</p> <p><i>Mouna El Marrakchi, Mostafa Bellafkih and Hicham Bensaid. Towards Reputation Measurement in online social networks.</i></p> <p><i>Walid Cherif, Abdellah Madani and Mohamed Kissi. A new modeling approach for arabic opinion mining recognition.</i></p> <p><i>Nacereddine Hammami, Bedda Mouldi, Nadir Farah and Siham Mansouri. /r/-Letter Disorder Diagnosis (/r/-LDD): Arabic Speech Database Development For Automatic Diagnosis of Childhood Speech Disorders (Case Study).</i></p> <p><i>Yasser El Madani El Alami, El Habib Nfaoui and Omar El Beqqali. Toward an Effective Hybrid Collaborative Filtering: a New Approach based on Matrix Factorization and Heuristic-Based Neighborhood.</i></p> <p><i>Yahya Al-Ashmoery and Rochdi Messoussi. Learning analytics system for assessing students' performance quality and text mining in online communication.</i></p>
<p>10:50 am - 12:30 pm <i>(parallel sessions)</i></p>	<p style="text-align: center;">Room 3</p> <p>Session 3: Objects tracking and motion analysis</p> <p>Chair: Driss ABOUTAJDINE, CNRST, Morocco Co-chair: Rachid OULAD EL HAJ THAMI, ENSIAS RABAT, Morocco</p> <p><i>Insaf Bellamine and Hamid Tairi. Motion detection using color structure-texture image decomposition.</i></p> <p><i>Hamd Ait Abdelali, Fedwa Essannouni, Leila Essannouni and Driss Aboutajdine. A new Moving Object Tracking Method Using Particle Filter and Probability Product Kernel.</i></p> <p><i>Ilyass Abouelaziz and Mohammed El Hassouni. New Models Of Visual Saliency : Contourlet Transform Based Model and Hybrid Model.</i></p> <p><i>Omar Elharrouss, Driss Moujahid and Hamid Tairi. Motion detection based on the combining of the background subtraction.</i></p> <p><i>Younes Dhassi, Abdellah Aarab and Mohammed Alfidi. Object tracking using particle filter based on Lyapunov stability.and spatial color information.</i></p>
<p>12:30 pm - 2:00 pm</p>	<p>Lunch</p>

02:00 pm - 03:00 pm	<p>Room 1</p> <p>Invited Speaker 2: Machine learning paradigms for patterns classification Djamel BOUCHAFFRA, Oakland University, Michigan, USA</p>
03:15 pm - 04:45 pm <i>(parallel sessions)</i>	<p style="text-align: center;">Room 1</p> <p>Session 4: Big data and Information systems</p> <p>Chair: Omar EL BEQQALI, FS Fez, Morocco Co-chairs: Ouçamah CHERKAOUI, FS Fez, Morocco Youness OUBENAALLA, FSJES Meknes, Morocco</p> <hr/> <p><i>Saïd Chah Slaoui and Yasmine Lamari.</i> Clustering of Large Data based on the Relational Analysis.</p> <hr/> <p><i>Omar El Midaoui, Abderrahim El Qadi, Moulay Driss Rahmani and Driss Aboutajdine.</i> A New Approach to build a Geographical Taxonomy of Adjacency Automatically Using the Latent Semantic Indexing Method.</p> <hr/> <p><i>Amal Latrache, El Habib Nfaoui and Jaouad Boumhidi.</i> Multi agent based incident management system according to ITIL.</p> <hr/> <p><i>Fatima-Zahra Benjelloun, Ayoub Ait Lahcen and Samir Belfkih.</i> An Overview of Big Data Opportunities, Applications and Tools.</p> <hr/> <p><i>Imane Satauri and Omar Elbeqqali.</i> Optimization of Prediction approach for improving students orientation in University : case of Sidi Mohammed Ben Abdelah University (SMBAU).</p> <hr/> <p><i>Bouchaïb Riyami and Khalifa Mansouri.</i> Development of an adaptation and interface model, for the information systems interoperability.</p>
03:15 pm - 04:45 pm <i>(parallel sessions)</i>	<p style="text-align: center;">Room 2</p> <p>Session 5: Intelligent networks and Telecommunication</p> <p>Chair: Mostafa HARTI, FS Fez, Morocco Co-chair: Nouredine EN-NAHNAHI, FS Fez, Morocco</p> <hr/> <p><i>Amine Rais, Amine Kada, Khalid Bouragba, Elhoussaine Ziyati and Mohammed Ouzzif.</i> Knowledge Discovery in WSN Using Mobile Agents.</p> <hr/> <p><i>Youssef Khmou and Said Safi.</i> New Radiolocation technique for intelligent antennas.</p> <hr/> <p><i>Abderrahim Larhlimi and Mohammed Mestari.</i> Neural Best Fit Void Filling Scheduler in Fixed Time for Optical Burst Switching.</p> <hr/> <p><i>Amin Zammouri, Abdelaziz Ait Moussa, Sylvain Chevallier and Eric Monacelli.</i> Intelligent ocular artifacts removal in a non-invasive single channel EEG recording.</p>

	<p><i>Maroua Drissi and Oumsis Mohammed.</i> Performance Evaluation of Multi-Criteria Vertical Handover for Heterogeneous Wireless Networks.</p> <p><i>Rachid Elalami, Hassan Qjidaa, Youness Mehdaoui and Mrabti Mostafa.</i> A Thresholding Algorithm for Improved Split-Row Decoding Method of Irregular LDPC Codes.</p>
<p>03:15 pm - 04:45 pm (parallel sessions)</p>	<p style="text-align: center;">Room 3</p> <p>Session 6: Classification methods</p> <p>Chair: Abdellah AARAB, FS Fez, Morocco Co-chair: Abdelouahed SABRI, FS Fez, Morocco</p> <p><i>Hasna Nhaila, Elkebir Sarhrouni, Ahmed Hammouch and Maria Merzouqi.</i> Hyperspectral images classification and Dimensionality Reduction using Homogeneity feature and mutual information.</p> <p><i>Sara Haddou Bouazza, N. Hamdi, A. Zeroual, M. M Hassani and Khalid Auhmani.</i> Gene-Expression-Based Cancer Classification Through feature selection with KNN and SVM Classifiers.</p> <p><i>Youssef Hanyf, Hassan Silkan and Halima Labani.</i> Criteria and technique to choose a good ρ parameter for the D-index.</p> <p><i>Maria Merzouqi, Elkbir Sarhrouni, Ahmed Hammouch and Hasna Nhaila.</i> Improved Filter Algorithm Using Inequality Fano to Select Bands For HSI Classification.</p> <p><i>Nabil Aharrane, Karim El Moutaouakil and Khalid Satori.</i> A comparison of supervised classification methods for a statistical set of features.</p> <p><i>Mohamed Khelifa, Yahya Elhadj, Yousfi Abdellah and Mostafa Belkasmi.</i> Toward a High Performance Recognizer for Classical Arabic Sounds.</p>
<p>04:45 pm - 05:05 pm</p>	<p>Break</p>
<p>05:05 pm - 06:00 pm</p>	<p>Poster session</p> <p><i>Yassine Saji and Mohammed Essaid Riffi.</i> A Survey and Comparative Study of Discretization Methods Applied to Travelling Salesman Problem.</p> <p><i>Youness Chawki, Mohammed Ouanan and Brahim Aksasse.</i> Estimation of 3-D Frequencies in a Colored Gaussian Noise and calculation of its Cramer-Rao Bound.</p>

Soulaiman El Hazzat, Mostafa Merras, Abderrahim Saaidi and Khalid Satori. Automatic 3D Object Reconstruction from Silhouettes Based on Sparse 3D Reconstruction and Photo-consistency.

Karim El Khadiri, Hassan Qjidaa. High Voltage, High Gain, Low Offset Current Sense Amplifier in 130 nm SOI CMOS Technology.

Hind Lahmidani and Omar Beqqali. Improving supply chain management information systems in public administration using a new theory.

Youssef Berrada, El-Mahjoub Boufounas, Rajae Laina and Ismail Boumhidi. Optimal sliding mode control of a variable speed wind turbine based on neural network and genetic algorithm.

Hamid Bouali, Badr Salhi and Qjidaa Hassan. Theoretical and Simulation of Photovoltaic Systems With Maximum Power Point Tracking Analog Control Based on the Hill Climbing method.

Amal Zouhri, Ismail Boumhidi and Majid Benyakhlef. High frequency H_{∞} control for Single Machine Infinite Bus System.

Youssef Ziadi, Karim El Khadiri and Hassan Qjidaa. Design of a DC-DC PWM Boost Converter.

Adil Jeghal, Lahcen Oughdir and Hamid Tairi. Reuse of learner results to evaluate the performance of adaptive learning systems.

Moulay Hafid Aabidi, Abdeslam Jakimi and El Hassan El Kinani. A New Approach The Reverse Engineering UML State Machine From Java Code.

Btihal El Ghali, Abderrahim El Qadi, Mohamed Ouadou and Driss Aboutajdine. The Latent Semantic Analyses for Query Expansion Using the Context extracted from Query Logs by Language Models.

Abdelghafour Abbad, Khalid Abbad and Hamid Tairi. Face Recognition Based on Locality Preserving Projections and Kernel Fisher Analysis.

Hamada El Kabtane, Mohamed El Adnani, Mohamed Sadgal and Youssef Mourdi. The utilization of augmented reality in the virtual learning environment for practical activities.

Younes Hajoui, Mohamed Youssfi, Omar Bouattane and Elhocein Illoussamen. New Framework for Parallel task Scheduling based on mobile agents.

Aniss Moumen, Badraddine Aghoutane, Fouad Nafis, Bouabid El Mansouri and Hassane Jarar Oulidi. A service-oriented architecture for sharing and re-use of data on water: case study with the Geosawis platform & IMPETUS project.

Rachid Idrissi El-Azami, Hamid Tairi and Benaissa Bellach. Phase extraction algorithm based on the analytic signal.

Thursday, March 26, 2015

08:00 am - 09:00 am	Reception & Registration
09:00 am - 10:00 am	<p style="text-align: center;">Room 1</p> <p>Keynote Speech 3: Statistical and Geometrical approaches to 3D Face Recognition, 4D facial expressions classification and RGB-D human activity recognition</p> <p>Mohamed DAOUDI, Telecom Lille, France</p>
10:00 am - 10:20 am	Break
10:20 am - 12:00 pm <i>(parallel sessions)</i>	<p style="text-align: center;">Room 1</p> <p>Session 7: Intelligent control and Systems</p> <p>Chair: Ismail BOUMHIDI, FS Fez, Morocco Co-chair: Majid BENYAKHLEF, FP TAZA, Morocco</p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Fayrouz Dkhichi and Benyounes Oukarfi. Intelligent Control in Photovoltaic systems by Neural Network.</i></p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Omar Dahhani, Abdessalam El Jouni, Bouchra Sefriti and Ismail Boumhidi. Optimal perturb and observe control for MPPT based on least square support vector machines algorithm.</i></p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Bouchra Sefriti, Omar Dahhani and Ismail Boumhidi. Maximum power point tracking for a photovoltaic water pumping system with sliding mode control and fuzzy wavelet network.</i></p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Karim El Khadiri, Hassan Qjidaa. Integrated 60-V Class-D Power Output Stage with 95% Efficiency in a 0.13μm SOI BCD Process.</i></p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Ahmed Hanafi and Mohammed Karim. Embedded Web Server for Real-time Remote Control and Monitoring of an FPGA-based On-Board Computer System.</i></p>
10:20 am - 12:00 pm <i>(parallel sessions)</i>	<p style="text-align: center;">Room 2</p> <p>Session 8: Intelligent systems and energy management</p> <p>Chair: Mohammed MEKNASSI, FS Fez, Morocco Co-chair: Ali YAHYAOUY, FS Fez, Morocco</p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Sanaa Faquir, Ali Yahyaouy, Hamid Tairi and Jalal Sabor. A Type-1 fuzzy logic algorithm to manage the flow of energy in a stand-alone PV/Wind/Battery hybrid system.</i></p> <hr style="border-top: 1px dashed #add8e6;"/> <p><i>Maria Serraji, Jaouad Boumhdi and El Habib Nfaoui. MAS energy management of a microgrid based on fuzzy logic control.</i></p>

	<p><i>Khaddouj Ben Meziane and Boumhidi Ismail. An Interval Type-2 Fuzzy Logic PSS with the optimal H_∞ tracking control for multi-machine power system.</i></p> <p><i>Smail Hassouni and Hassan Qjidaa. A Design of Power management for Passive UHF RFID Tag in 90nm CMOS process.</i></p> <p><i>Fidae Harchli, Zakariae En-Naimani, Abdelatif Es-Safi and Mohamed Ettaouil. Preprocessing Phase for Initializing the PRSOM Architecture.</i></p>
<p>10:20 am - 12:00 pm <i>(parallel sessions)</i></p>	<p style="text-align: center;">Room 3</p> <p>Session 9: Image processing</p> <p>Chair: Mohamed DAOUDI, Telecom Lille, France Co-chair: Hamid TAIRI, FS Fez, Morocco</p> <p><i>Ahmed Fouad El Ouafdi and Hassan El Houari. Adaptive kernel for triangular meshes smoothing.</i></p> <p><i>Faiq Gmira, Said Hraoui, Abderahim Saaidi, Abderrahmane Jarrar Oulidi and Khalid Satori. Securing the Architecture of the JPEG Compression by a Dynamic Encryption.</i></p> <p><i>Fouad Aouinti, M'Barek Nasri, Mimoun Moussaoui and Bouchta Bouali. Image Restoration by Applying the Genetic Approach to the Iterative Wiener Filter.</i></p> <p><i>Youssef Mourchid and Mohammed El Hassouni. Comparative study between different bases of transformation for Compressive Sensing of images.</i></p> <p><i>Ayoub Tamim, Khalid Minaoui, Khalid Daoudi, Abderrahman Atillah and Driss Aboutajdine. Detection of Moroccan Coastal Upwelling in SST images using the Expectation-Maximization.</i></p>
<p>12:00 pm - 02:00 pm</p>	<p style="text-align: center;">Lunch</p>

02:00 pm - 03:00 pm	<p>Room 1</p> <p>Invited speaker 4: Big Data and Analytics: Applications, Some Research Challenges in Future Information Systems</p> <p>Aris M. Ouksel, University of Illinois at Chicago, USA</p>
03:00 pm - 04:30 pm (parallel sessions)	<p style="text-align: center;">Room 1</p> <p>Session 10: Optimization and control</p> <p>Chair: Hassan QJIDAA, FS Fez, Morocco Co-chair: Nabil KABBAJ, FS Fez, Morocco</p> <p><i>Bachir Benhala, Hamid Bouyghf, Abdeslam Lachhab and Benachir Bouchikhi. Optimal Design of Second Generation Current Conveyors by the Artificial Bee Colony Technique.</i></p> <p><i>Dib Faiza and Boumhidi Ismail. Optimal H_{∞} Control without Reaching Phase with the Differential Evolution PID Based on PSS for Multi-machine Power System.</i></p> <p><i>El-Mahjoub Boufounas, Youssef Berrada, Miloud Koumir and Ismail Boumhidi. A robust intelligent control for a variable speed wind turbine based on general regression neural network.</i></p> <p><i>Mostafa Chakir, Hicham Akhamal and Hassan Qjidaa. A Low Power 6-bit Current-steering DAC in 0.18-μm CMOS Process.</i></p>
03:00 pm - 04:30 pm (parallel sessions)	<p style="text-align: center;">Room 2</p> <p>Session 11: 3D vision and recognition</p> <p>Chair: Khalid SATORI, FS Fez, Morocco Co-chair: Akram HALLI, FSJES Meknes, Morocco</p> <p><i>Sadiq Ullah, Gule Saman and Farid Khan. Hand Gesture Recognition for Automatic Tap System.</i></p> <p><i>Mostafa El Mallahi, Abderrahim Mesbah, Hassan Qjidaa, Hakim El Fadili and Khalid Zenkouar. Translation and Scale Invariants of Three-Dimensional Tchebichef Moments.</i></p> <p><i>Soufiane Ezghari, Naouar Belghini, Azeddine Zahi and Arsalane Zarghili. A Gender Classification Approach Based on 3D Depth-Radial Curves and Fuzzy Similarity based Classification.</i></p> <p><i>Abdelmajid Lamkadam and Mohamed Karim. Comparative study and improvement of acoustic vectors extractors: Multiple streams applied to the recognition of Arabic numerals.</i></p> <p><i>Abderrahim Mesbah, Mostafa El Mallahi, Hakim El Fadili and Khalid Zenkouar. Fast Computation of Krawtchouk Moments For 3D object reconstruction.</i></p> <p><i>Afaf Annich, A. El Abderrahmani and Khalid Satori. Enhancement of 3D reconstruction process in terms of beautification and efficiency using geometric constraints.</i></p>
04:30 pm - 04:50 pm	Break
04:50 pm - 05:30 pm	Closing Ceremony