

THE FIRST INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING IN DATA SCIENCES

ICDS2017

DECEMBER 18-19, 2017
MEKNES-MOROCCO

- PROGRAM -

MONDAY, DECEMBER 18, 2017	
08:00 - 17:00	ONSITE REGISTRATION
09:00 - 09:30	OPENING CEREMONY
09:30 - 10:30	<p>KEYNOTE SPEECH 1: COGNITIVELY-INSPIRED MULTI-MODAL BIG DATA ANALYTICS: SELECTED REAL-WORLD CASE STUDIES AND FUTURE DIRECTIONS</p> <p>PROFESSOR AMIR HUSSAIN UNIVERSITY OF STIRLING IN SCOTLAND, UK SESSION CHAIR : PROF. EL HABIB NFAOUI, USMBA FEZ, MOROCCO</p>
10:30 - 10:50	BREAK
10:50 - 12:30 (Parallel sessions)	<p style="text-align: center;">ROOM 1</p> <p>PAPER SESSION 1 : MACHINE LEARNING APPLICATIONS 1 Session chairs: PROF. AMIR HUSSAIN UNIVERSITY OF STIRLING, SCOTLAND, UK</p> <ol style="list-style-type: none"> 1. Mustapha Belouch, Salah El Hadaj, Mohamed Idhammad. Performance evaluation of intrusion detection based on machine learning using Apache Spark. 2. Nada Ben-Lhachemi and El Habib Nfaoui. Using Tweets Embeddings For Hashtag Recommendation in Twitter 3. Awatif Karim, Chakir Loqman and Jaouad Boumhidi. Determining the Number of Clusters using Neural Network and Max Stable Set Problem
	<p style="text-align: center;">ROOM 2</p> <p>PAPER SESSION 2 : DATA MINING SESSION CHAIRS: PROF. JAMAL RIFFI, USMBA FEZ, MOROCCO PROF. KARIM EL MOUTAOUAKIL, UMP, OUJDA, MOROCCO</p> <ol style="list-style-type: none"> 1. Said Chah Slaoui, Zineb Dafir, Yasmine Lamari. E-Transitive: An enhanced version of the Transitive heuristic for clustering categorical data. 2. Mohamed Idhammad, Karim Afdel, Mustapha Belouch. Distributed Intrusion Detection System for Cloud Environments based on Data Mining techniques. 3. Mourad Lasfar, Halima Bouden. A method of data mining using Hidden Markov Models (HMMs) for protein secondary structure prediction.

	<p style="text-align: center;">ROOM 3</p> <p>PAPER SESSION 3 : BIG DATA ANALYTICS SESSION CHAIRS: PROF. HAJAR MOUSANNIF, CADI AYYAD UNIVERSITY, MARRAKECH, MOROCCO PROF. YOUNESS OUBENAALLA, UMI MEKNES, MOROCCO</p> <ol style="list-style-type: none"> 1. Zakariae El Ouazzani, Hanan El Bakkali. A new technique ensuring privacy in big data: K-anonymity without prior value of the threshold k. 2. Fadoua Khennou, Youness Idrissi Khamlichi, Nour El Houda Chaoui. Improving the Use of Big Data Analytics within Electronic Health Records: A Case Study based OpenEHR. 3. Khawla Tadist, Fatiha Mrabti, Azeddine Zahi. A Blast implementation in Hadoop MapReduce using low cost commodity hardware. <p style="text-align: center;">ROOM 4</p> <p>PAPER SESSION 4: NATURAL LANGUAGE PROCESSING SESSION CHAIRS: PROF. MOHAMMED ZOUHRI, UMI MEKNES, MOROCCO PROF. GHIZLANE BENCHEIKH, UMI MEKNES, MOROCCO</p> <ol style="list-style-type: none"> 1. Nejja Mohammed, Yousfi Abdellah. The vocabulary and the morphology in spell checker. 2. Imad ZEROUAL, Abdelhak LAKHOAJA. Data science in light of natural language processing: An overview. 3. Meryam TELMEM, Youssef GHANOU. Estimation of the Optimal HMM Parameters for Amazigh Speech Recognition System Using CMU-Sphinx.
13:00 - 14:00	LUNCH
14:30 - 16:30 <i>(Parallel sessions)</i>	<p style="text-align: center;">ROOM 1</p> <p>PAPER SESSION 5: DEEP LEARNING APPLICATIONS SESSION CHAIRS: PROF. YOUSSEF GHANOU, UMI MEKNES, MOROCCO PROF. AZEDINE ZAHY, USMBA FEZ, MOROCCO</p> <ol style="list-style-type: none"> 1. El Korchi Anas and Ghanou Youssef. DropWeak: A novel Regularization method of neural networks 2. Brahim Ait Skourt, Abdelhamid El Hassani and Aicha Majda. Lung CT Image Segmentation Using Deep Neural Networks 3. Hamid Ouanan, Mohamed Ouanan and Brahim Aksasse. Non-linear dictionary representation of deep features for face recognition from a single sample per person 4. Ahmed Zakariae Hinch and Mohamed Tkiouat. Rolling element bearing remaining useful life estimation based on a convolutional long-short-term memory network 5. Alae Chouiekh and El Hassane Ibn El Haj. ConvNets for Fraud Detection analysis

<p>ROOM 2</p> <p>PAPER SESSION 6 : MACHINE LEARNING APPLICATIONS II</p> <p>SESSION CHAIRS: PROF. JAOUAD BOUMHIDI, USMBA FEZ, MOROCCO PROF. SAID BENHLIMA, UMI, MEKNES, MOROCCO</p>
<ol style="list-style-type: none"> 1. Hamid Khalifi, Abderrahim Elqadi and Youssef Ghanou. Support Vector Machines for a new Hybrid Information Retrieval System. 2. Aziz Saouli, Mohamed El Aroussi and Youssef Fakhri. Traffic sign recognition based on multi-feature fusion and ELM classifier 3. Mohammed Kaicer, Siham Mahir and Fahd Khamlichi Idrissi. Vital Prognosis of Intoxicated Patients, Modeling by SVM, Evidence from Souss-Massa Daraa area – Morocco 4. Anass Nahil and Abdelouahid Lyhyaoui. Short-term stock price forecasting using kernel principal component analysis and support vector machines: the case of Casablanca stock exchange
<p>ROOM 3</p> <p>PAPER SESSION 7 : EVOLUTIONARY ALGORITHMS</p> <p>SESSION CHAIRS: PROF. CHAKIR LOQMAN, USMBA FEZ, MOROCCO PROF. MOHAMMED MESTARI, HASSAN II UNIVERSITY, CASABLANCA, MOROCCO</p>
<ol style="list-style-type: none"> 1. Mustapha Es-Sadqi, Abdellah Idriss and Amine Ammarir. An Effective Oriented Genetic Algorithm for solving redundancy allocation problem in multi-state power systems 2. Chaymaa Lamini, Said Benhlime and Ali Bekri. New Genetic Algorithm Approach for Autonomous Mobile Robot Path Planning 3. Said Broumi, Assia Bakali, Mohamed Talea, Florentin Smarandache, Arindam Dey and Le Hoang Son. Spanning Tree Problem with Neutrosophic Edge Weights 4. Larhlimi Abderrahim, Iloussamen Youssef Iloussamen and Mestari Mohammed. GPU Neural Mutli Objective Solver for Optical Burst Gooming 5. Omar Bourja, Abdelilah Maach, Yahya Zennayi, François Bourzeix and Timothée Guerin. Speed estimation using simple line
<p>ROOM 4</p> <p>PAPER SESSION 8 : IMAGE PROCESSING 1</p> <p>SESSION CHAIRS: PROF. MOHAMMED EL HASSOUNI, MOHAMMED V UNIVERSITY, RABAT, MOROCCO PROF. RAJAE EL OUZZANI, UMI MEKNES, MOROCCO</p>
<ol style="list-style-type: none"> 1. Mohammed Khalil, Habib Ayad and Abdellah Adib. Performance evaluation of feature extraction techniques in MR-Brain image classification system 2. Hicham Amakdouf, Mostafa El Mallahi, Amal Zouhri, Ahmed Tahiri and Hassan Qjidaa. Classification and Recognition of 3D Image of Charlier moments using a Multilayer Perceptron Architecture. 3. Aicha Allag, Redouane Draï, Abdessalam Benammar and Tarek Boutkedjirt. 2D Images reconstruction of X-rays Tomography using proximal methods based on L1 Norm and TV regularization. 4. Abdellatif Dahmouni, Karim El Moutaouakil and Khalid Satori. Clustering and Jarque-Bera Normality Test to Face Recognition

16:30 - 16:50	BREAK
16:50 - 18:50 <i>(Parallel sessions)</i>	ROOM 1
	PAPER SESSION 9 : INTELLIGENT DECISION AND MULTI AGENT SYSTEMS SESSION CHAIRS : PROF. DRISS EL OUADGHIRI, UMI MEKNES, MOROCCO PROF. ISMAIL BERRADA, USMBA, FEZ, MOROCCO
	<ol style="list-style-type: none"> 1. Fayçal Yahyaoui and Mohamed Tkiouat. Partially observable methods in an agent-based simulation : a case study 2. Abdelhay Haqiq and Bouchaib Bounabat. Towards Integration of Fault Tolerance in Agent-based Systems 3. Ghita Bennouna and Mohamed Tkiouat. Fuzzy logic approach applied to credit scoring for microfinance in Morocco 4. My Seddiq El Kasmi Alaoui, Said Nouh and Abdelaaziz Marzak. A Low Complexity Soft Decision Decoder for linear block codes
	ROOM 2
	PAPER SESSION 10: DATAMINING 2 SESSION CHAIRS: PROF. OMAR EL BEQQALI, USMBA FEZ, MOROCCO PROF. AHMED LBATH, GRENOBLE ALPES UNIVERSITY (UGA), GRENOBLE, FRANCE
	<ol style="list-style-type: none"> 1. Walid Cherif. Optimization of K-NN algorithm by clustering and reliability coefficients: application to breast-cancer diagnosis 2. Sara Haddou Bouazza, Khalid Auhmani, Abdelouhab Zeroual and Nezha Hamdi. Selecting significant marker genes from microarray data by filter approach for cancer diagnosis 3. Said Amali, Nour-Eddine El Faddouli and Ali Boutoulout. Machine Learning and graph theory to optimize drinking water rechlorination stations
	ROOM 3
	PAPER SESSION 11 : IMAGE PROCESSING 2 SESSION CHAIRS: PROF. MOHAMED ADNANE MAHRAZ, FS FEZ, MOROCCO PROF. AKRAM HALLI, UMI MEKNES, MOROCCO
	<ol style="list-style-type: none"> 1. Batioua Imad, Benouini Rachid, Zenkouar Khalid and Zahi Azedine. Image classification using separable Invariants moments based on Racah Polynomials. 2. Souad Lahrache, Rajae El Ouazzani and Abderrahim El Qadi. Visualizations memorability through Visual Attention and Image Features 3. Fouad Aouinti, M'Barek Nasri and Mimoun Moussaoui. Fuzzy Identification of the Blur Size for Blind Deconvolution of Satellite Image 4. Abdelmajid Bouselham, Omar Bouattane, Mohamed Youssfi and Abdelhadi Raihani. Brain tumor temperature effect extraction from MRI imaging using bioheat equation 5. Saadeddine Laaroussi, Aziz Baataoui, Akram Halli and Khalid Satori. A Dynamic Mosaicking Method Based on Histogram Equalization for an Improved Seamline

	ROOM 4
	PAPER SESSION 12 : CLOUD AND NETWORKING SESSION CHAIRS: PROF. DRISS EL OUADGHIRI, UMI MEKNES, MOROCCO PROF. NABIL BENAMER, UMI MEKNES, MOROCCO
	<ol style="list-style-type: none"> 1. Aimad Karkouch, Hajar Mousannif and Hassan Al Moatassime. CADS: A Connected Assistant for Driving Safe 2. Abdelmoughit Fitah, Badri Abdelmajid, Mohamed Moughit and Aicha Sahel. Performance of DSRC and WIFI for Intelligent Transport Systems in VANET 3. Abdelali Touil and Fattehallah Ghadi. Efficient dissemination based on passive approach and dynamic clustering for VANETS 4. Kamal Benzekki. A Context-Aware Authentication System for Mobile Cloud Computings 5. Mbarek Marwan, Ali Kartit and Hassan Ouahmane. Security Enhancement in Healthcare Cloud using Machine Learning

TUESDAY, DECEMBER 19, 2017

09:00 - 10:30	KEYNOTE SPEECH 2: AN EXAMPLE OF INNOVATION ECOSYSTEM AND CHALLENGES IN SMART NETWORKED APPLICATIONS PROFESSOR AHMED LBATH GRENOBLE ALPES UNIVERSITY (UGA) IN GRENOBLE, FRANCE SESSION CHAIR : OMAR EL BEQQALI, USMBA FEZ, MOROCCO
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10:30 - 10:50	BREAK
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10:50 - 12:30 <i>(Parallel sessions)</i>	ROOM 1
	PAPER SESSION 13 : WEB SERVICES, ONTOLOGIES AND E-LEARNING SESSION CHAIRS: PROF. ABDERRAHIM EL QADI, MOHAMMED V UNIVERSITY, RABAT, MOROCCO PROF. SAID AMALI, UMI MEKNES, MOROCCO
	<ol style="list-style-type: none"> 1. Hatim Guermah, Tarik Fissaa, Hatim Hafiddi and Mahmoud Nassar. Exploiting Semantic Web Services in the Development of Context-Aware Systems 2. Fariss Mourad, Asaidi Hakima and Bellouki Mohamed. Comparative Study of Skyline Algorithms for Selecting Web Services based on QoS 3. Asmae Abadi, Hussain Ben-Azza and Souhail Sekkat. Improving integrated product design using SWRL rules expression and ontology-based reasoning 4. Hasna Abioui, Ali Idarrou, Bouzit Ali and Driss Mammass. Towards a Novel and Generic Approach for OWL Ontology Weighting 5. Salma El Janati, Abdelilah Maach and Driss El Ghanami. SMART Education Framework for Adaptation Content Presentation 6. Inssaf El Guabassi, Zakaria Bousalem, Al Achhab Mohammed, Ismail Jellouli and Badr Eddine El Mohajir. Towards "anytime and anywhere learning"

	ROOM 2 PAPER SESSION 14 : INTELLIGENT SYSTEMS DETECTION AND CONTROL SESSION CHAIRS: PROF. MOHAMED SABBANE, UMI MEKNES, MOROCCO PROF. MAJID BEN YAKHLEF, FP TAZA, MOROCCO
	<ol style="list-style-type: none"> 1. Moulay Rachid Douiri, Ahmed Essadki and Mohamed Cherkaoui. Neural Networks for Stable Control of Nonlinear DFIG in Wind Power Systems 2. Ayoub El Bakri and Ismail Boumhidi. Fuzzy model-based faults diagnosis of the wind turbine benchmark 3. Elhoussaine Ouabida, Abdelaziz Essadike and Abdenbi Bouzid. Intelligent System for Driver Drowsiness Detection 4. Rajae Laina, Fatima Ez.Zahra Lamzouri, El-Mahjoub Boufounas, Aumeur El Amrani and Ismail Boumhidi. Intelligent control of a DFIG wind turbine using a PSO evolutionary algorithm
	ROOM 3 PAPER SESSION 15 : SOCIAL NETWORKS AND INFORMATION RETRIEVAL SESSION CHAIRS: PROF. EL HABIB NFAOUI, USMBA FEZ, MOROCCO PROF. MOHAMED LAZAAR, ABDELMALEK ESSAADI UNIVERSITY, TETUAN, MOROCCO
	<ol style="list-style-type: none"> 1. Said Jabbour, Fatima Ezahra El Mazouri and Lakhdar Sais. Mining Negatives Association Rules Using Constraints 2. Omar El Midaoui, Btihal El Ghali and Abderrahim El Qadi. Geographical Query reformulation using a Geographical Taxonomy and WordNet 3. Sarah Dahir, Abderrahim El Qadi and Hamid Bennis. Enriching User Queries Using Dbpedia Features and Relevance Feedback 4. Brahim Dib, Fahd Kalloubi, El Habib Nfaoui and Abdelhak Boulaalam. Semantic-based Followee Recommendations on Twitter Network 5. Yassine Al Amrani, Mohamed Lazaar and Kamal Eddine El Kadiri. Random Forest and Support Vector Machine based Hybrid Approach to Sentiment Analysis
	ROOM 4 PAPER SESSION 16 : SECURITY SESSION CHAIRS: PROF. MOHAMED LAHMER, UMI MKENES, MOROCCO PROF. NABIL NMRANI, UMI MKENES, MOROCCO
13:00- 14:00	LUNCH
CLOSURE CEREMONY (EST MEKNES)	