Conference on Innovative Trends in Computer Science

November 20-21

University 8 Mai 1945 Guelma - Algeria

Wednesday, 20 November 2019 (Central Library)
08H30 – 09H00 **Conference opening**
09H00 – 09H45 **keynote speaker: Pr. Imed BOUCHRIKA** « Into Automating Surveillance Systems using Computed Vision Methods »
09H45 – 10H00 **Coffee break**
10H00 – 11H30 **Session A1: Internet of Things & Networking**
Islam Amine Bouchedjera and Lemia Louail « Latency and energy efficient routing-aware TDMA for Wireless Sensor Networks » **Mohand Moktefi, Mohand Yazid, Louiza Bouallouche-Medjkoune and Wissam Benlala** « An OFDMA MAC Protocol Aggregating Variable Length Data in the Next IEEE 802.11ax Standard » **Kenza Hocini and Mohand Yazid** « Comparative Study of the Main Full Duplex MAC Protocols in the Future Generation of HEW WLANs » **Wafa Nebili, Ala-Eddine Benrazek, Brahim Farou, Muhammet Kurulay and Mohamed Amine Ferrag** « Using a bio inspired approach to improve UAVs vision coverage » **Walid Miloud Dahmane, Samir Ouchani and Hafida Bouarfa** « Security Implementation and Verification in Smart Buildings »
12H30 – 14H00 **Lunch**

14H00 – 14H45
keynote speaker: Dr. Nawel BENGRAIT
« Computer-Assisted Language Learning Program, Opportunities and Challenges **»**

14H45-16H00
Session A2: E-learning & ICT in Education

Ouissem Benmesbah, Lamia Mahnane and Mohamed Hafidi
« Adaptive and Personalized e/m-Learning : Approaches and Techniques »

Yacine Lafifi, Rochdi Boudjehem, Rim Benoughiden and Zahra Mehnaoui
« LISP(P) : A new pedagogical approach for learning mathematics in colleges »

Hadjer Boughanem, Hamza Bouguessir, Walid Barhoumi and M M Haythem Ghazouani
« Geometrical Characterization of Wide Stitched Jute Fabric using Image Processing technique »

Adil Boughida, Mohammed Nadjib Kouahla and Imad Chebata
« Speech emotion recognition using MFCC features: application in e-learning environements »

16H00 – 16H45
Coffee break (Workshop & Poster Session)

16H45-17H45	16H45-17H45
## Session A3: Artificial Intelligence	## Session A4: bio-informatics

Fréha Mezzoudj, Djamila Hammouche, Mourad Loukam and Fatma Zohra Belkredim « Language Modeling based on Arabic Algerian Oranee Dialectal Corpus »	**Meriem Sari, Abdelouahab Moussaoui and Abdenour Hadid** « Deep Learning Trends and Techniques in Facial Expression Recognition: an overview »
Mokri Miloud Aboubakeur El Sadek, Hamou Reda Mohamed and Amine Abdelmalek « Machine learning methods and deep learning for android malware detection using permission »	**Naima Saidi and Abdesslem Layeb** « A hybrid chemical reaction optimisation algorithm for solving the DNA fragment assembly problem »
Rabab Bousmaha, Reda Mohamed Hamou and Abdelmalek Amine « Training feedforward neural networks using hybrid particle swarm optimization, Multi-Verse Optimization »	**Bouslah Ayoub and Taleb Nora** « A genetic approach wrapped Support vector machine for feature selection applied to Parkinson's disease diagnosis »

Thursday, 21 November 2019 (Central Library)

09H00 – 10H00

keynote speaker: Pr. Muhammet KURULAY

« Artificial Intelligence in Medical Imaging Using Matrix Computation »

10H00-10H30
Coffee break (Poster Session)

10H30 – 12H00 Session B1: Image & Video Processing	10H30 – 12H00 Session B2: Machine learning & Big Data
Kef Maâmar and Chergui Leila « A novel Arabic handwriting recognition system based on image matching technique » **Ouardia Abdelli and Fatiha Merazka** « Denoising of a Speech Signal Using Decision Directed Approach » **Nadira Boukhatem** « simulation study of video transmission by optical fiber» **Abdel Halim Benoughidene and Titouna Faiza** « Shot Boundary Detection: Fundamental Concepts and Survey » **Soualmi Abdallah, Adel Alti and Lamri Laouamer** « Robust Medical image Watermarking method based on DFT and QR decomposition »	**Ali Wided and Bouakkaz Fatima** « Job Migration for Load Balancing Algorithm in Grid Computing Using Queue Length parameter » **Abdelmalek Bouguettaya, Ahmed Kechida and Amine Mohamed Taberkit** « Lightweight CNNs-Based Object Detection for Embedded Systems implementation » **Imene Zenbout, Abdelkrim Bouramoul and Souham Meshoul** « Stacked Sparse autoencoder for unsupervised features learning in PanCancer miRNA cancer classification » **Ben Said Tayeb, Amine Abdelmalek and Hamou Reda** « Credit Card Fraud Detection for E-commerce transactions using LSTM » **Roguia Siouda, Mohamed Nemissi, Hamid Seridi and Muhammet Kurulay** « A new approach for arrhythmia classification using stacked autoencoders and multilayer perceptron »

Closing Ceremony

Lunch

Conference Posters

Oubadi Sihem and Derdouri Lakhdhar
« Distributed Adaptive Cluster Head Election Using Fuzzy Logic (DACHEFL) for heterogeneous WSNs in large scale »

Fatima Bouakkaz and Makhlouf Derdour
« Taxonomy of Partitioning Clustering Algorithms in WSNs »

Saida Lemnadjlia and Ahlem Melouah
« Image compression by adaptive JPEG approach »

Badis Bensedira, Abdesslam Layeb and Issam Chehir
Approximate Solutions for Balanced Arc Routing Problem»

Rabah Lebsir, Abdesslem Layeb, Fariza Tahi and Chaouki Abdaoui
« ACE-MSA: Application for Creating and Evaluating Multiple Sequence Alignment »

Sara Chelbi and Nora Taleb
« Enterprise Ontologies: Theories and Applications »

Amira Sifi, Souad Guessoum and Mohamed Tayeb Laskri
« Overview on Case-Based Reasoning in Healthcare »

Siouar Ouartani and Nora Taleb
« IoT based clinical decision support system for Early Diagnosis and Prevention »

Benkhaled Sihem and Hemam Mounir
« Literature review: Software-Defined-Networking Solutions for Heterogeneous Internet of Things »

Workshop Posters

Mrabti Fatima, Bourouba Hocine and Doghmane Hakim
« Mnist digits classification with deep learning »

Boualleg Abdelhalim, Bourouba Houcine, Sedraoui Moussa, Doghmane Hakim and Menasria Azzeddine
« Improved face recognition under varying conditions based on a combination of Weber-face and Contrast Equalization »

Azzeddine Menasria
« Reconnaissance des montants littéraux des chèques arabes basé sur un modèle d'extraction de caractéristiques amélioré »

Hadjer Boughanem
« La Reconnaissance Des Expressions Faciales à Partir Des Images En Couleurs »

Aicha Aggoune and Mohammed Sofiane Namoune
« From Object-relational to NoSQL Databases: A Good Alternative to Deal with Large Data »

Mohamed Nadjib Kouahla, Adil Boughida, Muhammed Kurulay and Nene Adama Dian Diallo
« Deep learning approach for facial expression recognition »

Benoumelaz Farouk and Abed Samira
« Modeling transportation planning with additional cost »