International Conference on Pattern Analysis and Intelligent Systems
Conference Program

October.24-25, 2018
Tebessa, Algeria

Tuesday, October 23, 2018

16:00→18:00 - Welcome Reception & Registration. Hotel Mehaya palace Tebessa.

Wednesday, October 24, 2018

08:00- Welcome Reception & Registration
09:00- 09 :30 - Welcome to PAIS Conference

09:30-10:30: Opening keynote: On biologically inspired computational intelligence: opportunities and challenges. **Dr. Ammar BELATRACHE**, Northumbria University, Newcastle, UK.
Chairs: PR. KAZAR O.& ZAROUR Z.

10:30—11:00- Break (Photo session & Coffee)

SESSION 1 (Auditorium): Machine Vision & Intelligent Systems
Chairs : PR. LAOUAR M.R. & PR. BENDJENNA H.

11:00–11:15	Mohamed Amine Ferrag	o Taxonomy of Biometric-based Authentication Schemes for Mobile Computing Devices.
11:15–11:30	Bouteraa Imad	o Intrusion Detection using Data Mining: A contemporary comparative study.
11:30–11:45	Abid Saber	o Encrypted Traffic Classification: Combining Overand Under-Sampling through a PCA-SVM.
11:45–12:00	Houria Sebai	o Improving high-resolution satellite images retrieval using Linear SVM classifier and data augmentation.
12:00–12:15	Said Labed	o Solving the graph b-coloring problem with hybrid genetic algorithm.
12:15–12:30	Hayet Belghit-	o Vision-based Pose Estimation for Augmented Reality: A Comparison Study.

12:30-14:00- Lunch

14:00 —Three parallel Sessions

SESSION 2 (Auditorium): Machine Vision
Chairs: Pr. ZAROUR N. & Dr. MERAOUIMIA A.

14:00–14:15	Allal Tiberkak	o Set Theory-based FSM for Managing Home Emergencies: Concept, Properties and Process Algebra.
14:15–14:30	Mohcene Bessaoudi	o An Efficient Multimodal 2D and 3D Face Verification Based on High Order Tensor Representation.
14:30–14:45	Benrais Lamine	o Local Binary Pattern and Tchebychev Moments as a Single Image Discriptor..
14:45–15:00	Laouaber Zineb Aziza	o A system for the automatic detection of glaucoma using retinal images.
15:00–15:15	Amel Boulemnadjel	o Higher-Order Spatial Statistics: A Strong Alternative In Image Processing.
15:15–15:30	Boucheloukh Abdelghani	o Stereo Visual Odometry for Mobile Robot.

SESSION 3 (Room 1): Software Development

Chairs: Dr. BOURAMOUL A. & ZAROUR K.

14:00–14:15	Dali Youcef Sarra.	o Semi- automatic segmentation method of Left Ventricle in Cardiac Cine MRI for analysis of myocardial viability.
14:15–14:30	Atef Bentahar.	o IoT Securing System using Fuzzy Commitment for DCT-based Fingerprint Recognition.
14:30–14:45	Mohamed Elhadi Rahmani.	o Medical Plants Recognition Based on Ensemble Classification of DNA sequences.
14:45–15:00	Zouaoui Samia	o Multi-Agent Systems and Ontology for Supporting Management System in Smart School
15:00–15:15	Djamel Aouam.	o Voice-based Augmented Reality Interactive System for Car's Components Assembly.
15:15–15:30	Abdeldjalil Ledmi.	o Fault Tolerance in Distributed Systems: A Survey.

SESSION 4 (Room 2): Artificial Intelligence

Chairs: Pr. KAZAR O. & Dr. DJAKHEDJAKHA L.

14:00–14:15	Saad KHADAR.	o Dual Direct Torque Control of Doubly Fed Induction Machine using Artificial Neural Network
14:15–14:30	Abdelmadjid Lahreche	o LMDS-SEA: Upgrading the Shape Exchange Algorithm (SEA) to handle general time series classification by local matching and distance selection.
14:30–14:45	Kheireddine Abainia	Bio-inspired Approach for Inverse Kinematics of 6-DOF Robot Manipulator with Obstacle Avoidance.
14:45–15:00	Elhaouari Kobzili	o Geometric Binary Descriptor Based Monocular SLAM.
15 :00–15 :15	Selma Ouareth	o A Component-Based MAPE-K Control Loop Model for Self-adaptation.
15:15–15:30	Mohamed Lamine Bouibed	o Writer Retrieval Based on Gradient Features and Dissimilarity Learning.

15:30-16:00- Break Coffee

Poster session (Machine Vision & Intelligent Systems)

Chairs: DR. BOUROUGUA S. & DR. BENDIB I.

- A small look at the ear recognition process using a Binarized Statistical A small look at the ear recognition process using a Binarized Statistical Image Features (ML-BSIF). **Maarouf Korichi.**
- Implementation of a Preventive Maintenance System Based on Augmented Reality. **Rabie Hamidane.**
- New monitoring system for Baby Incubator using Wireless Sensor Networks & Android. **Benahmed khelifa.**
- Decision process for safety based on Bayesian approach. **Nassima AISSANI.**
- Using A Real-coded Genetic Algorithm to Predict Characterization Parameters for Algerian Saharan blend Petroleum Fraction. **Chafik Belghit.**
- Semi-supervised Super-pixels classification for White Blood Cells segmentation. **Mohammed El Amine BECHAR.**
- Vanet routing protocols: discussion of various Ad-hoc On-demand Distance Vector (AODV) improvements. **Hanene Brahmia**.

SESSION 2 (Auditorium): Machine vision
Pr. ZAROUR N. & Dr. MERAOUIMIA A.

16:00–16:15	Kheireddine Abainia	o Toward Accurate Social Media Language Identification: Combining Language Features with a Graphical Approach.
16:15–16:30	Fairouz Merrouche	o Fall Detection versus Activity Recognition using Hu Moments and HOG Descriptor.
16:30–16:45	Djamel Samai	o 2D and 3D Palmprint Recognition using Deep Learning Method.
16:45–17:00	Fatima Zouaoui	o Natural Image Character Recognition Using One Class-Principal Component Analysis Classifier.

SESSION 3 (Room 1): Software Development
Chairs: Dr. BOURAMOUL A. & ZAROUR K.

16:00–16:15	Merzoug Soltane	o A Self-adaptive Agent-based System for Cloud Platforms.
16:15–16:30	Abdelhakim Zeroual	o Deep authentication model in Mobile Cloud Computing.
16:30–16:45	Mohamed HEMILI	o Use of Multi-criteria decision analysis to make collection management decisions.
16:45–17:00	ALLAM Ahmed.	o 3D Robots Formation cooperative Control Using EFDs.

SESSION 5 (Room 2): Technological excellence and social innovation
Chairs: Pr. KAZAR O. & Dr. DJAKHEDJAKHA L.

16:00–16:15	Oubadi Sihem	o Distributed Clustering Routing Protocol based on PSO and Sleep Scheduling for Heterogeneous WSNs.
16:15–16:30	Mohammed DEMRI.	o Enhanced Cuckoo Search-based Clustering Protocol for Wireless Sensor Networks.
16:30–16:45	Mohamed Sandeli	o Optimizing Energy in Wireless Sensor Networks using a Quantum Artificial Bee Colony.
16:45–17:00	Meriem Bahi	o Deep Learning for Ligand Based Virtual Screening in Drug Discovery.

17:30-19:00- Visit
19:30- Diner

Thursday, October 25, 2018

08 :30 - 09 :30- Keynote.   **A**ffective Computing. **Pr. Okba Kazar**, Mohamed Khider university of Biskra.

Chairs : Pr. GHOUALMI N. & Pr. BACHIR A.

09:30 —Three parallel Sessions

SESSION 6 (Auditorium): Intelligent Systems
Chairs: Dr. BENMERZOUG D. & Dr. BETOUIL A.

09:30–09:45	Abdallah Meraoumia	o Towards a Secure Online E-voting Protocol Based on Palmprint Features.
09:45–10:00	BITAT Abir	o Towards formal verification of cryptographic circuits: A functional approach.
10:00–10:15	Kheireddine Abainia	o Detecting Algerian Sub-Dialects of On-Line Commentators in Social Media Networks.
10:15–10:30	Samir Berrani	o Extended multi-agent system-based service composition in the Internet of things.
10:30–10:45	Mustafa Mosbah.	o Optimal Algerian Distribution Network Reconfiguration Using Ant Lion Algorithm for Active Power Losses.
10:45–11:00	Zeyneb Guenfoud	o Bayesian exploration of dependencies of laboratory tests and evaluation of test redundancy.

SESSION 7 (ROOM 1): Artificial Intelligence & Software Development
Chairs: Dr. AHMIM A., & Dr. DJILALI H. & HOUAM Y.

09:30–09:45	Assia Messaci	o 3D Interaction Technique for Navigation, Selection and Manipulation.
09:45–10:00	M. Mosbah	o Multiobjective Optimization for Many Wind Based DG Placement and Sizes in Practical Distribution Network Using Modified Differential Evolution Technique.
10:00–10:15	Abir Derouiche	o Frequent Itemsets Mining with Chemical Reaction Optimization Metaheuristic.
10:15–10:30	Bayarassou Manel	o A Bayesian network approach for forecasting via bond graph.
10:30–10:45	Bouhamdi Merzoug	o Dimensionality Reduction Using PCA and its Impact on the sEMG Signal Based Pattern Classification.

SESSION 8 (ROOM 2): Technological excellence and social innovation
Chairs: Dr. DJEDDI C., Dr. GATTAL A. & Dr. BENOUR A.

09:30–09:45	Mansouri Kamel	o Selection and Composition of Cloud Smart Services Using Trust Semantic-Based Green Quality Approach.
09:45–10:00	Wedjdane Nahili	o Digital Marketing with Social Media: What Twitter Says!
10:00–10:15	Ali Belgacem	o Task scheduling optimization in cloud based on electromagnetism metaheuristic algorithm.
10:15–10:30	Lyna Miloudi	o Leveraging the Power of Integrated Solutions of Iot And Gis.
10:30–10:45	Lakhdar Kamal Ouladdjedid	o CSTD-MAC: CSMA with TDMA-like operation for VANET MAC.
10:45 -11:00	Feroui Amel	o Screening of Diabetic Retinopathy: Hemorrhage Detection and classification method in color fundus image.

11:00-11:30- Break Coffee

Poster session (Technological excellence and social innovation & Artificial Intelligence)

Chairs: Dr. MENASSEL R. & DR. LAIMECHE L.

- A New Multi-Varied Arabic Corpus. **Khouloud Meskaldji.**
- An approach for Semantic Enrichment of Sensor Data. **Meriem Djezzar.**
- Deep learning for online harassment detection in tweets. **Tolba Marwa.**
- Resolving Multiple Sequence Alignment Problem Using an Intelligent Cooperative Algorithm. **Lamiche Chaabane.**
- WSQEP: Web Service Quality Evaluation Process. **Mebarka Yahlali.**
- Relative scientometric analysis of knowledge management journals in SCOPUS. **Samia Aitouche**
- Improved Multicriteria Ranking based web service Discovery approach. **Abdelli Djallel Eddine**.
- Routing in Unstructured P2P Network: Survey and New Directions. **Abdelghafour Azzeddine.**

11:30-12:00- Best papers award & Closing Session
12:00-15:00- Lunch & Horse Festival