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. **Chair: Pr. Okba KAZAR & Nacereddine ZAROUR**

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

SESSION 1: (Auditorium) Machine Vision & Intelligent Systems
Chair : Pr. M.R. Laouar & Pr. H Bendjenna

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

12:30-14:00- Lunch

14:00 —Three parallel Sessions

SESSION 2 (Room 1): Software Development
Chair: Pr. N. ZAROUR & Dr. A. BOURAMOUL

14:00–14:15-	Dali Youcef Sarra.	Semi- automatic segmentation method of Left Ventricle in Cardiac Cine MRI for analysis of myocardial viability.
14:15–14:30	Fatima Zouaoui	- Natural Image Character Recognition Using One Class-Principal Component Analysis Classifier.
14:30–14:45-	Mohamed Elhadi Rahmani.	Medical Plants Recognition Based on Ensemble Classification of DNA sequences.
14:45–15:00-	Mohammed DEMRI.	Enhanced Cuckoo Search-based Clustering Protocol for Wireless Sensor Networks.
15:00–15:15-	Djamel Aouam.	Voice-based Augmented Reality Interactive System for Car's Components Assembly.
15:15–15:30-	Abdeldjalil Ledmi.	Fault Tolerance in Distributed Systems: A Survey.

SESSION 3 (Room 2): Artificial Intelligence

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

14:00–14:15-	Saad KHADAR.	Dual Direct Torque Control of Doubly Fed Induction Machine using Artificial Neural Network.
14:15–14:30-	Bachir Boucheham	LMDS-SEA: Upgrading the Shape Exchange Algorithm (SEA) to handle general time series classification by local matching and distance selection. Abdelmadjid Lahreche,
4:30–14:45-	Abdelhakim Chergui.	1Kinship Verification from Facial Images using Deep Features.
14:45–15:00-	Kheireddine Abainia.	Bio-inspired Approach for Inverse Kinematics of 6-DOF Robot Manipulator with Obstacle Avoidance.
15:00–15:15-	Elhaouari Kobzili.	Geometric Binary Descriptor Based Monocular SLAM.
15 :15–15 :30-	Selma Ouareth.	A Component-Based MAPE-K Control Loop Model for Self-adaptation.

SESSION 4 (Auditorium): Machine Vision
Chair : Pr. N. GHOUALMI & Pr. A. BACHIR

14:00–14:15-	Allal Tiberkak.	Set Theory-based FSM for Managing Home Emergencies: Concept, Properties and Process Algebra.
14:15–14:30-	Mohcene Bessaoudi.	An Efficient Multimodal 2D and 3D Face Verification Based on High Order Tensor Representation.
14:30–14:45-	Benrais Lamine	Local Binary Pattern and Tchebychev Moments as a Single Image Discriptor..
14:45–15:00-	LAOUABER Zineb Aziza.	A system for the automatic detection of glaucoma using retinal images.
15:00–15:15-	Amel BOULEMNADJEL.	HIGHER-ORDER SPATIAL STATISTICS: A STRONG ALTERNATIVE IN IMAGE PROCESSING.
15:15–15:30-	BOUCHELOUKH Abdelghani	Stereo Visual Odometry for Mobile Robot..

15:30-16:00- Break Coffee & Poster session (Machine Vision & Intelligent Systems)

- 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.**

SESSION 2 (Room 1): Software Development
Chair: Pr. N. ZAROUR & Dr. A. BOURAMOUL

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

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

16:00–16:15-	Oubadi Sihem.	Distributed Clustering Routing Protocol based on PSO and Sleep Scheduling for Heterogeneous WSNs.
16:15–16:30-	. Zouaoui Samia.	Multi-Agent Systems and Ontology for Supporting Management System in Smart School
16:30–16:45-	Mohamed Sandeli.	Optimizing Energy in Wireless Sensor Networks using a Quantum Artificial Bee Colony.
16:45–17:00-	Meriem Bahi.	Deep Learning for Ligand Based Virtual Screening in Drug Discovery.

SESSION 4 (Auditorium): Machine vision
Chair: Pr. N. GHOUALMI & Pr. A. BACHIR

16:00–16:15-	Kheireddine Abainia.	Toward Accurate Social Media Language Identification: Combining Language Features with a Graphical Approach.
16:15–16:30-	Fairouz Merrouche.	Fall Detection versus Activity Recognition using Hu Moments and HOG Descriptor.
16:30–16:45-	Djamel Samai.	2D and 3D Palmprint Recognition using Deep Learning Method.
16:45–17:00-	Atef Bentahar	IoT Securing System using Fuzzy Commitment for DCT-based Fingerprint Recognition.

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

Thursday, October 25, 2018

08 :30 - 09 :30- Keynote. A multimedia sensor network. **Pr. Richard CHBEIR**, LIUPPA Laboratory Université de Pau et des Pays de l'Adour (UPPA).
Chair : Pr. N. GHOUALMI & Pr. A. BACHIR.

SESSION 6 (Auditorium): Intelligent Systems
Chair : Pr. CHAWI Allaoua & Dr. Ahmime Ahmed.

09:30–09:50	**Abdallah Meraoumia.**	Towards a Secure Online E-voting Protocol Based on Palmprint Features.
09:50–09:10	**BITAT Abir.**	Towards formal verification of cryptographic circuits: A functional approach.
10:10–10:30	**Kheireddine Abainia**	Detecting Algerian Sub-Dialects of On-Line in Social Media Networks.

10:30-11:15- Break Coffee & Poster session (Technological excellence and social innovation & Artificial Intelligence)

- An approach for Semantic Enrichment of Sensor Data. **Meriem Djezzar**.
- Vanet routing protocols: discussion of various Ad-hoc On-demand Distance Vector (AODV) improvements. **Hanene Brahmia**.
- Deep learning for online harassment detection in tweets. **Tolba Marwa**.
- A New Multi-Varied Arabic Corpus. **Khouloud Meskaldji.**
- Resolving Multiple Sequence Alignment Problem Using an Intelligent Cooperative Algorithm. **Lamiche Chaabane**

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