

## Conference Program

### Day 1: DECEMBER 14, 2020

09:00 – 09:30	Opening ceremony
09:30 – 10:30	<b>Keynote</b> : <i>Sentiment Analysis and Prediction of the Engagement of Users of the Algerian Dialect on Social Networks</i> Prof. Ahmed GUESSOUM, USTHB, Algiers Session Chairs: Dr. M’hamed MATAOUI & Dr. Faouzi SEBBAK
10:30 – 11:20	Coffee-break & Souvenir photo

#### 11:20 – 13:00 **Oral Session 1 (Amphi A) : Machine Learning & Data Science**

Session Chairs: Prof. Ahmed GUESSOUM & Dr. Abdenour AMAMRA

- **Submission : 82**  
*3D Face Identification using HOG Features and Collaborative Representation*  
Ahmed Yassine Boumedine, Samia Bentaieb, Abdelaziz Ouamri and Abderrahmane Mallek
- **Submission : 62**  
*A Study of Dimensionality Reduction for Automatic Facial Expression Recognition*  
Yacine Yaddaden, Mehdi Adda and Abdenour Bouzouane
- **Submission : 91**  
*How would downsampling and compression affect object detection ?*  
Imene Bouderbai, Abdenour Amamra and Mohamed Akrem Benatia
- **Submission : 95**  
*Extreme subject targeting for deep learning based action recognition*  
Said Yacine Boulahia, Abdenour Amamra, Said Daikh, Mohamed Ridha Madi, Mohamed Akrem Benatia and Yacine Amara
- **Submission : 38**  
*Medium Term Electricity Load Forecasting Using Machine Learning Techniques*  
Abderrahim Bakir and Fatima Zohra Gherbi

#### **Oral Session 2 (Amphi B) : Operational Research & Optimization**

Session Chairs: Dr. Mohamed El Yazid BOUDAREN & Dr. Oussama MAZARI-ABDESSAMEUD

- **Submission : 22**  
*Ant Lion Optimizer for the Estimation of Photovoltaic (PV) cells Parameters*  
Dallel Nasri and Diab Mokeddem
- **Submission : 44**  
*Discrete Elephants Algorithms for target detection in complex and unknown environments*  
Naila Aziza Houacine and Habiba Drias
- **Submission : 12**  
*An Adaptive Traffic Light Control Algorithm*  
Tarek Amine Haddad, Djalal Hedjazi and Sofiane Aouag

- **Submission : 13**  
*Optimization of two level production distribution systems with stock and transportation costs*  
Mohamed Bensakhria and Samir Abdelhamid
- **Submission : 29**  
*Hierarchical Colored Petri Nets for the Verification of SysML Designs- Activity-based Slicing Approach*  
Messaoud Rahim, Malika Ioualalen-Boukala and Ahmed Hammad

**13:00 – 14:00** Lunch

**14:00 – 15:40** **Oral Session 3 (Amphi A) : IoT, Networks & Web Technologies**  
Session Chairs: Dr. Mustapha Reda SENOUCI & Dr. Badis DJAMAA

- **Submission : 79**  
*Advanced Sensorless Weather Station Implementation Using ESP32*  
Mezzah Samia and Yugurtha Chettouh
- **Submission : 81**  
*Perceptual Masking Model Using Lifting Wavelet Transform for Fingerprint Images*  
Mohamed Lamine Benseddik, Khalil Zebbiche, Mohamed Salah Azzaz and Said Sadoudi
- **Submission : 99**  
*Dynamic Web Service Selection based on Majority Judgment*  
Zeyneb Yasmina Remaci, Fethallah Hadjila, Abdelhak Echialli and Mohammed Merzoug
- **Submission : 51**  
*A User-Side POIs Mobile Recommender System*  
Mohamed Boubenia, FayCal M'Hamed Bouyakoub and Abdelkader Belkhir
- **Submission : 77**  
*Multicriteria Approach For Discovering Service In Iot*  
Rabah Boucetti, Sofiane Mounine Hemam and Ouassila Hioual

**Oral Session 4 (Amphi B) : Image & Speech Processing**  
Session Chairs: Dr. Idir Amine AMAROUCHE & Dr. Yacine BOULAHIA

- **Submission : 48**  
*Analysis of the influence of the Arabic fricatives vocalic context on their spectral parameters*  
Aicha Zitouni, Leila Falek, Mourad Abbas, Mohamed Lichouri and Khaled Lounnas
- **Submission : 53**  
*Topological Analysis of X-Ray Images using Random Forest Model*  
Khaled Harrar
- **Submission : 107**  
*A Comparative Study of Chest X-Ray Image Enhancement Techniques for Pneumonia Recognition*  
Sabrina Nefoussi, Abdenour Amamra and Idir Amine Amarouche
- **Submission : 23**  
*Automatic Brain Tumor Segmentation Using Multi-OTSU Thresholding and Morphological Reconstruction*  
Imane Mehidi, Djamel Eddine Chouaib Belkhiat and Dalel Jabri
- **Submission : 61**  
*Epileptic Seizure Detection from EEG Signal using the Imbalanced Data Techniques*  
Romaissa Debeche, Mostafa El Habib Daho and Chikh Mohammed Amine

**15:40 – 16:40 Poster Session & Coffee-break :**

Session Chairs: Dr. Tayeb KENZA & Dr. Ali YACHIR & Dr. Lamia SADEG & Dr. Walid CHERIFI & Dr. Abdelhamid BOUDANE

- **Submission : 92**  
Thyroid nodules recognition in ultrasound images based on ImageNet top-performing deep convolutional neural networks  
Bilal Chouiha and Abdenour Amamra
- **Submission : 78**  
Roadside parking spaces image classification using deep learning  
Khalfi Ali and Guerroumi Mohamed
- **Submission : 3**  
Can Judges Trust The I-Vectors Scores?: A Comparative Study of Voices Comparison In The Forensic Domain  
Kawthar Yasmine Zergat
- **Submission : 37**  
IoT services selection based on stochastic dominance  
Abdelhak Etchiali, Fethallah Hadjila and Mohammed Merzoug
- **Submission : 103**  
A Colored Petri Net to Model Message Differences in Energy Harvesting WSNs  
Nourredine Oukas and Menouar Boulif
- **Submission : 124**  
HST-101: a new secure SCADA transport protocol  
Tarek Cherifi, Kenza Challal and Walid Cherifi
- **Submission : 34**  
Fast Segmentation of Markov Random Fields Corrupted by Correlated Noise  
Ahmed Habbouchi, Mohamed El Yazid Boudaren, Amar Aissani and Wojciech Pieczynski
- **Submission : 54**  
Analysis and Comparison of Audiovisual Quality Assessment Datasets  
Fatima Boudjrida, Atidel Lahoulou and Zahid Akhtar
- **Submission : 89**  
A Multi-view Clustering Approach for the Recommendation of Items in Social Networking Context  
Lamia Berkani, Lylia Betit and Louiza Belarif
- **Submission : 100**  
Chaotic Binary Particle Swarm with Anti Stagnation Strategy on Feature Selection  
Hayet Djellali and Nadjette Dendani
- **Submission : 52**  
Using Machine Learning for Heart Disease prediction  
Dhai Eddine Salhi, Abdelkamel Tari and Mohand Tahar Kechadi
- **Submission : 56**  
Epilepsy Prediction Within EEG Signals using DWT and kNN Classifier: Application on Selected Channels  
Lyna Henaar Hasnaoui and Abdelghani Djebbari
- **Submission : 96**  
*Experimental Investigation into the Influence of the Distance between Microphones for 2D Real-Time Sound Source Localization using GCC-PHAT Technique*  
Belgacem Douaer, Farid Ykhlef and Fayçal Ykhlef

**16:40 – 17:10 Closing ceremony & Best paper/Poster awards**