# Conference Program

## Day 1: DECEMBER 14, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 – 09:30</td>
<td>Opening ceremony</td>
</tr>
</tbody>
</table>
| 09:30 – 10:30 | **Keynote**: Sentiment Analysis and Prediction of the Engagement of Users of the Algerian Dialect on Social Networks  
Pro. 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 Boudrelal, 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 |
| 11:20 – 13:00 | **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  
  Daliel 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 |
### Oral Session 3 (Amphi A): IoT, Networks & Web Technologies
Session Chairs: Dr. Mustapha Reda SENOUCI & Dr. Badis DJAMAA

- **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 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 Deboche, Mostafa El Habib Daho and Chikh Mohammed Amine
15:40 – 16:40  Poster Session & Coffee-break :
Session Chairs:  Dr. Tayeb KENAZA & 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 Etchialli, 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 Henaa 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