Friday October 14th, 2016

<table>
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<th>Time</th>
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| 18:00 – 18:15 | Inauguration<br>
*Pr. Afif Masmoudi and Pr. Mounir Ben Ayed* |
| 18:15 – 19:15 | Poster Session<br>
Chairs: *Pr. Mahdi Louati, Dr. Abdelaziz Ghribi, Dr. Hanen Ben Hassen* |

**Imed Bouzida:** The q-gamma distribution and its characterization

**Lobna Abid:** Bayesian network modeling: A case study of credit scoring analysis of consumer loan's default payment

**Mariem Djenouai:** Sur quelques problèmes inverses en EDP

**Hennia Douini:** Linear nonparametric estimation of the point at high risk

**Said Benramache:** Study the modeling to estimate of band gap energy and urbach energy of ZnO:X (X = Co, V and F) thin films

**Mohamed Houass:** Integral inequalities for k-fractional continuous random variables

**Rahma Abid:** Viterbi Algorithm for DNA Sequence Alignment

**Aymen Hassine:** Câblage d'un réseau modélisé par un graphe non orienté

**Hatem Loukil:** Impact of a priori MS/MS intensity distributions on database search for peptide identification

**Wafa Feki:** Using Bayesian networks and Naïve Bayesian network classifier for prediction of toxic Dinoflagellates in the Gulf of Gabès, Tunisia

20:00 Social dinner

Saturday October 15th, 2016

<table>
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<th>Time</th>
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| 9:00 – 11:00  | Plenary session 1<br>
Chair: *Pr. Yassine Ben Ayed* |
| 9:00 – 9:45   | Discrete exponential Bayesian networks<br>
*Pr. Afif Masmoudi* |
| 9:45 – 10:30  | The Datamining in the line of decision making<br>
*Pr. Mounir Ben Ayed* |
| 10:30 – 10:50 | Coffee break                                              |
**Oral presentations: session 1**  
Chair: *Pr. Mahdi Louati*

10:50 – 11:10  
**Emma Hlel**: Bayesian network for constructing probabilistic ontologies

11:10 – 11:30  
**Sahar Charfi**: Bayesian network modeling: A case study of exchange rate analysis

11:30 – 11:50  
**Omar Selé**: Heuristic and meta-heuristic approaches for scheduling problems

11:50 – 12:10  
**Salma Chaieb**: Bayesian network tool for modeling and diagnosis online

12:15 – 14:00  
Lunch

**Oral presentations: session 2**  
Chair: *Pr. Ahmed Rebai*

14:00 – 14:20  
**Mouna Zitouni**: Tweedie Hidden Markov Random Field and the Expectation-Method of moments and Maximization algorithm for Brain MR Image Segmentation

14:20 – 14:40  
**Hasna Njah**: A loose hierarchical Bayesian network for high-dimensional data clustering

14:40 – 15:00  
**Boutheina Marzouki**: Ant-B-learn: Learning Bayesian networks structures by Ant Colony Optimization

15:00 – 15:20  
**Amal Bouraoui**: Deep Learning for concept extraction

15:20 – 15:40  
**Ahmed Masmoudi**: A Survey of machine Learning Techniques Applied in Big Data

15:40 – 16:00  
**Khalil Masmoudi**: Singular Gaussian Graphical Models: Structure Learning

16:00 – 16:20  
**Abdenour Hamdaoui**: Limit of risks ratios of shrinkage estimators for the multivariate normal mean with unknown variance

16:20 – 16:40  
Coffee break

**Oral presentations: session 3**  
Chair: *Pr. Mounir Ben Ayed*

16:40 – 17:00  
**Amel Ziani**: Multiple Supervised classifiers Fusion For Arabic Polarity Detection

17:00 – 17:20  
**Soraya Cheriguene**: Medical Data Classification System based on bayesian networks Selection Ensemble

17:20 – 17:40  
**Elyes Zarrouk**: Multi-Dialect Arabic continuous speech Recognition with Dynamic Bayesian Networks

17:40 – 18:00  
**Kamel Jebreen**: Bayesian network classification: Application to Epilepsy type prediction using PET scan

18:00 – 18:20  
**Ons Abid**: Bayesian methods for opinion dynamics modeling in social networks

18:20 – 18:40  
**Mohamed Ali Fourati**: Decision Support System Based on Dynamic Bayesian Networks: Application to optimize the irrigation scheduling

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**Sunday October 16th, 2016**

**Plenary session 2**  
Chair: *Pr. Afif Masmoudi*

9:00 – 9:45  
**Multivariate Dispersion Models & Applications**: On characterizations of multiple stables-Tweedie models  
*Pr. Célestin C. Kokonendji*

9:45 – 10:30  
Application of Bayesian networks to the understanding of causal relationship between microbiome and cancer  
*Pr. Ahmed Rebai*

10:30 – 10:50  
Coffee break

10:50 – 11:10  
**Hamza Zerrouki**: Safety and risk analysis in oil and gas industry using Bayesian networks

11:10 – 10:30  
**Anis Elaoud**: Modeling soil penetration resistance using multiple linear regression (MLR)

11:30 – 12:15  
**Student’s best oral presentation and best poster awards and closing remarks**