



3rd International Conference on

Bayesian Networks and Applications

Previously known as: Journées sur les Réseaux Bayésiens et Applications

October 14 – 16, 2016

Royal Kenz hotel – Sousse – Tunisia



Program

Contact

E-mail : internationalconferencebna@gmail.com
Website : <http://sites.ieee.org/tunisia-embs/icbna-2016>

Friday October 14th, 2016

18:00 – 18:15	Inauguration <i>Pr. Afif Masmoudi and Pr. Mounir Ben Ayed</i>
18:15 – 19:15	Poster Session Chairs: <i>Pr. Mahdi Louati, Dr. Abdelaziz Ghribi, Dr. Hanen Ben Hassen</i>
	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 Mariam Djenaoui: 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

9:00 – 11:00	Plenary session 1 Chair: <i>Pr. Yassine Ben Ayed</i>
9:00 – 9:45	Discrete exponential Bayesian networks <i>Pr. Afif Masmoudi</i>
9:45 – 10:30	The Datamining in the line of decision making <i>Pr. Mounir Ben Ayed</i>
10:30 – 10:50	Coffee break

Oral presentations: session 1

Chair: **Pr. Mahdi Louati**

- 10:50 – 11:10 **Emna 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 Selt:** 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

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**