



SMC'19: New Challenges in Data Science

Second Conference of The Moroccan Classification Society

March 28-29, 2019 Kenitra – Morocco

Detailed Program

Thursday March 28, 2019

08:30 - 18:30	Registration
09:30 - 10:00	Opening ceremony
10:00 - 10:50	Plenary Conference: Mohamed Nadif Chair: Pr. A. Sbihi <i>“Dimensionality Reduction and Clustering: Issues and Challenges”</i>
10:50 - 11:20	Coffee break
11:20 - 12:10	Plenary Conference: Metin Türkay Chair: Pr. D. Hamad <i>“Machine Learning Approaches for the Discovery and Design of Drug Candidates”</i>
12:10 - 14:00	Lunch
14:00 - 14:50	Plenary Conference : Philippe Carre Chair : Pr. R. Messoussi <i>“Application of the Quaternionic Wavelet Transform and the Machine Learning Algorithm for a New Decoding Process”</i>
14:50 - 16:30	Session 1: Multi-criteria data analysis Chairs: Pr. Y. Hadi and Pr. K. Nafil <i>CO - 20 Scalable and distributed architecture based on Apache Spark Streaming and PROM6 for processing RoRo terminals logs, Mouna Amrou Mhand</i> <i>CO - 25 Automatic Analysis of Arabic Online Handwriting of Patients with Parkinson’s Disease: Statistical Study and Classification, Ibtissame Aouraghe, Alae Ammour, Ghizlane Khaissidi, Mostafa Mrabti, Ghita Aboulem, Faouzi Belahsen</i> <i>CO - 19 Scholarly Collaboration Patterns Analytics: Moroccan Research Use Case, Zainab Azough, Aziza Benomar, Mostafa Bellafkih</i> <i>CO - 24 Automatic classification of daily-histograms of solar irradiance in Morocco: A nonparametric Bayesian paradigm, Azeddine Frimane, Wassima Ait Ahmed, Badr Ouhammou, Mohammed Aggour</i> <i>CO - 05 Survey on Local Binary Patern Descriptors for Face Recognition, Mohamed Kas, Youssef El Merabet, Yassine Ruichek, Rochdi Messoussi</i>

Session 2: Bioinformatic data analysis | Chairs: Pr. K. Judit and Pr. P. Romain

CO - 07 Proposed Domain-Specific Minimum Information Required Research Data Dictionaries,

Judit Kumuthin

CO - 26 Fine QTL mapping for meat quality traits in French Charolaise breed using HD SNP data,

Abdelmajid El-Hou, Romain Philippe, Dominique Rocha, Veronique Blanquet

CO - 13 Genes and mutations involved in the resistance of chlamydia species to antibiotics: a literature review,

Ichrak Benamri, Ahmed Moussa, Fouzia Radouani

CO - 09 Optimizing the identification of GPCR function,

Safia Bekhouche, Yamina Mohamed Ben Ali

16:30 - 16:50 Coffee break

16:50 - 18:30 Session 3: Multimedia data analysis | Chairs: Pr. M. Nadif and Pr. M. Sbihi

CO - 15 Transfer learning and U-Net for buildings segmentation,

Abdelilah Adiba

CO - 06 Off-line Text-independent Writer Identification Using Local Convex Micro-Structure Patterns,

Abderrazak Chahi, Youssef El Merabet, Yassine Ruichek, Raja Touahni

CO - 11 Multivariate workload prediction using Vector Autoregressive and Stacked LSTM models,

Soukaina Ouhamme, Youssef Hadi

CO - 08 A Toolbox for calibrating fundus camera,

Mostafa Taibi

CO - 03 Comparative Study of Blind Channel Identification and Equalization Algorithms, Elkassimi Said

CO - 27 Unrestricted Random Sampling of data batch to improve the efficiency of neural networks,

Anas Elkorchi, Ghanou Youssef

Session 4: E-learning and IT security | Chairs: Pr. M. Benattou and Pr. I. Oumaira

CO - 21 A new region based watermarking scheme for medical images,

Fadoua Sabbane, Noura Aherrahrou, Hamid Tairi

CO - 16 Recommending system for digital educational resources based on learning analysis, Ndeye Ndiaye, Youness Chaabi, Khadija Lekdioui, Claude Lishou

CO - 28 Modelling the learner within an ILE,

Yassine Ouali, Ilham Oumaira, Youssef Rochdi

CO - 30 Conception of a new Chien Search Block for Reed-Solomon code (RS) used in digital video broadcasting DVB,

Mohamed Elghayyaty

CO - 29 L'évaluation dans les MOOCs : quel impact sur l'apprentissage ?

Imane El Hasnae Abbassi

CP - 31: An expert system for semi-automatic Assessment of programs

Ismail Bouacha, Safia Bekhouche

18:30 - 19:30 Association meeting

20:30 - 23:00 Gala dinner

Friday March 29, 2019

08:30 - 12:00 Registration

09:00 - 10:00 **Plenary Conference:** Denis Hamad

Chairs: Pr. M. Turkey and Pr. A. Moussa

“Graph based Feature Selection”

10:00 - 11:00 **Plenary Conference:** Noël Richard

Chairs: Pr. M. Türkay and Pr. A. Moussa

“New Challenges for Imaging: Between Objective Metrology and Perceptual Metrology”

11:00 - 11:20 Coffee break

11:20 - 13:20 **Session 5: Bioinformatic data analysis | Chairs: Pr. H. Badir and Pr. V. Brigitte**

CO - 17 Improvement of the target selection process in transcriptomics data,
Chadia Ed-Driouch, Ahmed Moussa

CO - 04 Strategies of peptide identification using tandem Mass Spectrometry,
Sara El Jadid, Rajaa Touahni, Ahmed Moussa

CO - 02 Performance of Statistical Models to Predict Vitamin D Levels,
Souad Bechrouri, Abdelilah Monir, Hamid Mraoui, El Houcine Sebbar, Ennouamane Saalaoui, Mohamed Choukri

CO - 22 Meta-analysis for a therapeutic target involved in the activation of the genes associated with C3 glomerulopathy,
Boutaina Ettetuani, Ahmed Moussa, Rajaa Chahboune

Session 6: Multi-criteria data analysis | Chairs: Pr. D. Hamad and Pr. R. Messoussi

CO - 12 Load Balancing of Distributed Actors in an Asynchronous Message Processing Boundary,

Soufiane Maguerra, Azedine Boulmakoul, Lamia Karim, Hassan Badir

CO - 18 Arabic Sentiment Analysis based on Topic Modeling,
Mohammed Bekkali, Abdelmonaime Lachkar

CO - 14 A comparison of OpinAIS and SFL-NB heuristic algorithms for sentiment analysis,

Hasna Ighazran, Tarik Boujiha, Larbi Alaoui

CO - 23 Challenges and benefits of deploying Big Data storage solution,
Jabrane Kachaoui

CO - 10 Solving the Vehicle Routing Problem using Skylines,
Brahim Boudelar, Larbi Alaoui, Moulay Youssef Hadi

CO - 01 Compound Facial Expression Recognition Based on Highway CNN,
Khadija Slimani, Khadija Lekdioui, Rochdi Messoussi, Rajaa Touahni

13:00 -13:30 Closing ceremony

13:30 -15:00 Lunch