

Numerical Analysis AND Optimization Days (JANO'13)

Khouribga, February 22-24, 2021

MS138. Mathematics for Machine Learning, Data Analysis and Deep Learning

Organizers: **Hasna Chamlal** (Hassan II University, Casablanca, Morocco)&

Abdellah Salhi (Essex University, UK) Tuesday, February 23, 2021

Tuesday, February 23, 2021 (11h30--13h & 15h-16h30)

n°	Title and Authours	Time table
1	H. Chamlal, T. Ouaderhman, B. EL Mourtji : A feature selection approach for discriminant analysis.	11h30-11h40
2	H. Chamlal, T. Ouaderhman and F. E. Rebbah : A filter feature selection algorithms applied to high-dimensional microarray experiments.	11h45-11h55
3	L. Bouch , M. Nachaoui and A. Ghazdali: Survey on semantic segmentation using deep learning techniques	12h00-12h10
4	H. Chamlal, T. Ouaderhman and F. Aaboub , A novel filter feature selection method for high dimensional data.	12h15-12h25
5	R. Chefira and S. Rakrak: A Thorough Investigation of Optimal Activation Functions within Efficient Classification of Medical Anomalies.	12h30-12h40
6	I. Rahil , W. Bouarifi and M. Oujaoura: The application of machine learning techniques for public security: An intelligent monitoring system to identify the faces of wanted and sought-after people by studying the facial features through neural network mechanisms for the state of Marrakech	12h45-12h55

LUNCH BREAK

7	H. Ettayyebi , and K. El Himdi: Deep Attention Neural Network for Forecasting Hourly Global Solar Irradiance.	15h00-15h10
8	S. Lyaqini , Mourad Nachaoui and A. Hadri: Diabetes prediction using an improved machine learning approach.	15h15-15h25

BREAK

9	W. Boutayeb , M. Badaoui, A. Boutayeb: L'utilisation du datamining pour la détection des facteurs de risque du DT2 dans les pays de Golf.	15h30-15h40
10	Y. Anzarmou , A. Mkhadri and K. Oualkacha: The Kendall Interaction Filter for Variable Interaction Screening in High Dimensional Classification Problems	15h45-15h55
11	A. Amkor , K. Maaidar and N. El Barbri: Comparison of machine learning algorithms to distinguish processed mint from untreated one (case of malathion insecticide)	16h00-16h10
12	T. Ouaderhman, H. Chamlal and F. Z. Janane , A filter feature selection method based on multi-criteria analysis.	16h15-16h25