Algerian Democratic and Popular Republic
Ministry of Higher Education and Scientific Research
University of Saida Dr Tahar Moulay

Program Schedule for the 1st International Workshop of Statistics and its Applications (WSA'23), Saïda, March 01st-02nd, 2023

Wednesday, 01 March 2023	
08:00-10:00	Registration & Opening Speeches
	Plenary Session
10:00-11:00	**Talk 1**: **Regression estimation for continuous time functional data processes with missing at random response** **Prof. Mohamed CHAOUCH** University of Qatar, Qatar Chair : **Prof. Salim BOUZEBDA** University | GI - Génie Informatique | LMAC –France
11:00-11:30	**Coffee Break**
11:30-12:30	**Talk 2** : **On multivalued markovian functions of Markov chains** **Prof. Abderahmane YOUSFATE** Djillali Liabes University of Sidi Bel-Abbès, Algeria Chair : **Prof. Karima BELAIDE** University A.Mira of Béjaia, Algeria
12:30-14:00	Lunch Break

Parallel sessions		
	Room 1: Workshops Chair : **Prof. Fethi MADANI** Dr Moulay Tahar University of Saida, Algeria	**Room 2: Workshops** Chair : **Prof. K. Mohammed ATTOUCH** Djillali Liabes University of Sidi Bel-Abbès , Algeria
14:30-16:00	**Nassima BAYARASSOU** Strong uniform consistency rate of a relative regression function estimator for left truncated and right censored data under a-mixing condition	**Souad BOUKHIAR** Estimation in functional autoregressive models with random coefficients
	Hadjila TABTI Estimation and simulation of the conditional cumulative distribution function	**Khedidja DJABALLAH-DJEDDOUR** Crude oil import and product forecasting based on long memory-ARFIMA model.
	Abdelkader BOUADJEMI Asymptotic normality of a kernel estimator of conditional cumulative distribution function via a the functional single index structure	**Mohammed BASSOUDI** Vector error correction model (vecm) estimate in long-term relationship studies with application
	Hadjer KEBIR The almost sure convergence of the recursive kernel estimate of the conditional hazard function form censored functional erogdic data	**Djillali SEBA** A hybrid model for forecasting Carbon Dioxide emissions in Algeria
	Abbassia BENCHIHA Asymptotic properties of regression operator in local linear estimation with missing at random data	**Khadidja ABDELHAK** Local linear estimation of the conditional hazard function for index model in case of missing data at random
16:00-16:30	Coffee Break + poster session (page 6/6)	

Parallel sessions		
16:30-18:00	**Room 1 : Workshops** Chair : **Prof. Mohamed CHAOUCH** University of Qatar, Qatar	**Room 2:Workshops** Chair :**Prof. Amina Angelika BOUCHENTOUF** Djillali Liabes University of Sidi Bel-Abbès, Algeria
	Amina NACERI Exact quadratic error of the local linear regression operator estimator for functional covariates	**Kouider DJERFI** Shrinkage estimation for some fractional Brownian motion models
	Mohamed CHERFI On the nonparametric estimation of conditional Kendall's tau with functional covariate.	**Abdelmalik KEDDI** Asymptotic analysis of a kernel estimator for parabolic stochastic partial differential equations driven by sub-fractional Brownian motion
	Mustapha MOHAMMEDI The k-nearest neighbors method in single index regression model	**Malika KORSO FECIANE** On parameter estimation for stochastic differential equations with small noise
	Youcef SOUDDI On the nonparametric estimation of the conditional empirical process with functional ergodic data	**Chafiâa AYHAR** Nonparametric estimation of the mean hitting times for semi-Markov processes
	Soumia AYAD Local linear modelling of the conditional cumulative distribution function: functional ergodic data case	**Tayeb HAMLET** Nonparametric estimation of the stationary distribution for discrete and continuous time semi-Markov process

Thursday, 02 March 2023	
Plenary Session	
08:30-09:30	**Talk 1: Semiparametric M-estimators and their applications in change-points** **Prof. Salim BOUZEBDA** University | GI - Génie Informatique | LMAC –France Chair : **Prof. Mohamed CHAOUCH** University of Qatar, Qatar
09:30-10:30	**Talk 2** : **Statistical inference based on divergence measures** **Prof. Vlad Stefane BARBU** University of Rouen Normandy, France Chair : **Prof. Abderrahmane YOUSFATE** Djillali Liabes University of Sidi Bel-Abbès, Algeria
10:30-11:00	Coffee Break+ poster session(page 6/6)
11 :00-12 :00	Talk 3 : **Fractional processes of order 1 with mixing errors** **Prof. Karima BELAIDE** A.Mira University of Béjaia, Algeria Chair : **Prof. Vlad Stefane BARBU** University of Rouen Normandy, France
12:00-14:00	Lunch Break

Parallel sessions			
	Room 1 : Workshops Chair : **Prof. Karima BELAIDE** A.Mira University of Béjaia, Algeria	**Room 2 : Workshops** Chair : **Prof. KANDOUCI** Dr Moulay Tahar University of Saida, Algeria	**Room 3: Workshops** Chair :**Prof. Salim BOUZEBDA** University | GI - Génie Informatique | LMAC –France
14:30-16:00	**Mohamed SADOUN** On inference and forecasting in periodic generalized integer-valued AR (p) models	**Elias Taki Eddine MOHAMED CHIKOUCHE** On the robust nonparametric regression estimation: complete and censored data cases.	**Rajaa HAZEB** Extropy-based goodness of fit tests
	Charef Eddine MANSOURI Period determination using robust regression for unevenly spaced time series	**Elhadj HAMEL** Estimation of kernel conditional density function under long range dependence.	**Mohamed KOUADRIA** Fixed-effects models
	Farouk METIRI Some results on quadratic credibility premium using the balanced loss function	**Mohamed ABEIDALLAH** Spatial Data Case : Conditional hazard estimate by the local linear method	**Houssem BRAIRI** Testing high-dimensional multivariate discrete-valued time series for lack of serial and cross-correlation
	Baya TAKHEDMIT Parametric uncertainty propagation for financial models	**Amel AZZI** Robust estimation of the conditional Mode in functional statistics	**Amel SAIDI** Testing for equal predictability of a stationary two dimensionally indexed autoregressive moving average model
			Bahia BARACHE Exponential inequalities for mann's stochastic scheme with random errors
16:00-18 :30	**Closing ceremony**		

Posters session	
Wednesday, 01 March 2023	
16:00-16:30	**Sakina BENKADDOUR** Hurst index estimation for the Rosenblatt process
	Asma BOUCHAFAA Comparative study of forecasting models on survey data
	Hayat BOUKHERIS Variations and estimators for self-similarity parameter of Q-sub-fractional Brownian motion
	Fatah CHEURFA Sensitivity analysis of classical risk model based on multivariate probability bounds
	Yamina DJAOUANI On the volatility estimation via the Girsanov formule
	Rachida ROUANE M-regression function estimate for continuous time stationary and ergodic data
Thursday, 02 March 2023	
10:30-11:00	**Asma LADJEROUD** Statistical models of chaotic systems
	Fatima BENZIADI Recursive non-parametric estimation of the conditional distribution function: Left truncated data under α-mixing condition
	Fatiha MOKHTARI Estimation and prediction of functional autoregressive processes with random coefficients
	Tayeb DJEBBOURI On the estimation of the derivative and the maximum of conditional hazard function
	Kheira MECHERI The uniform almost complete convergence of the conditional quantile in the functional single-index
	Nada Riheb YATIM Statistical analysis of a single-server Markovian feedback queueing model with balking