



5th International Workshop On: Stochastic Modelling and Statistics

Faculty of Sciences, Ibn Tofail University

Thursday, July 1, 2021



8:30 - 9:00	OPENING
9:00 - 9:30	REGISTRATION
9:30 - 9:50	On the C*-algebra valued asymmetric spaces <i>Samir Kabbaj (Ibn Tofail University, Kénitra)</i>
9:50 - 10:05	Stochastic Modelling and Statistics for Covid-19 <i>M. El Fatini, M. El Khalifi (Ibn Tofail University, Kénitra), R. Gerlach, R. Pettersson</i>
10:05 - 10:25	Exponential Stability for Uncertain Differential Equations <i>Regragui Taki (Chouaib Doukkali University, El Jadida)</i>
10:25 - 10:40	Ergodicity of the stochastic epidemic models <i>Mohamed Mouad Abdeslami (Ibn Tofail University, Kénitra)</i>
10:40 - 11:00	Strong Nash implementation in finite and infinite fair allocation problems <i>M. Bouchta, A. Doghmi (Mohamed V University, Rabat), A. Ziad</i>
11:00 - 11:15	Stochastic near-optimal control for drug therapy in a random viral model <i>D. Bouggar (Ibn Tofail University, Kénitra), A. Laaribi, I. Sekkak</i>
11:15 - 11:35	RBDSEs with Jumps and Optional Barrier & Mean Field Game with Common Noise <i>B. Berrhazi (Ibn Tofail University, Kénitra), M. El Fatini, A. Hilbert, N. Mrhardy, R. Pettersson</i>
11:35 - 11:50	Quadratic transportation inequality for SDEs with measurable drift <i>Soufiane Mouchtabih (Cadi Ayyad University, Marrakesh)</i>
11:50 - 12:20	COFFEE BREAK
12:20 - 12:40	Geometry of Fedosov manifolds <i>Mohamed Wadia Mansouri (Ibn Tofail University, Kénitra)</i>
12:40 - 1:00	Introduction to stochastic analysis in Riesz spaces <i>Kawtar Ramdane (FMPNST, Tunis El Manar University, Tunisia)</i>
1:00 - 1:15	A variant of d'Alembert's functional equation on commutative semigroups with endomorphisms <i>A. Akkaoui (Ibn Tofail University, Kénitra), B. Fadli</i>
1:15 - 1:35	Latent class and latent transition Analysis in the context of clinical research <i>Abdellah Abarda (Hassan First University, Settat)</i>
1:35 - 1:50	Existence and consistency of the maximum likelihood estimate for the extreme value index based on k-records <i>M. El Arrouchi, A. Louzaoui (Ibn Tofail University, Kénitra)</i>
1:50 - 2:10	Stochastic epidemic models with isolation <i>Aziz Laaribi (Sultan M Slimane University, Beni Mellal)</i>
2:10 - 2:25	A review on quarantine strategy and other public health policies impact on the long time behaviour of a stochastic epidemic model <i>Idriss Sekkak (Ibn Tofail University, Kénitra)</i>
2:25 - 2:40	Some dynamical behavior of a chemostat model with stochastic perturbation on the dilution rate <i>H. Fahim (Ibn Tofail University, Kénitra)</i>