

Research

Published papers (ISI)

- A. IKSANOV, W. JEDIDI, FETHI BOUZEFFOUR: *A law of the iterated logarithm for the number of occupied boxes in the Bernoulli sieve*. Submitted to Statistics and Probability Letters (2016).
- W. JEDIDI, J. BADRI, F. BOUZEFFOUR: *On the HCM property for powers of positive stable random variables, a complement to Bondesson's conjecture*. Submitted to Arxiv för Matematik, (2016).
- W. JEDIDI, F. BOUZEFFOUR, N. HARTHI: *Refined properties for the Mellin transform, with applications to convergence of families obtained by biasing or by the stationary excess operator*. Submitted to Pacific Journal of Mathematics, (2016).
- R. AGUECH, W. JEDIDI: *Complete monotonicity and Bernstein properties of functions are characterized by their restriction on \mathbb{N}* . Submitted to Probability and Mathematical Statistics, (2015).
- F. BOUZEFFOUR, W. JEDIDI, N. CHORFI: *Jackson's (-1) -Bessel Functions with the Askey-Wilson algebra setting*. Advances in Difference Equations, 268, 1-13, (2015).
- W. JEDIDI, T. SIMON: *Diffusion hitting times and bell-shape*. Statistics and Probability Letters 102, 38-41, (2015).
- L. ALILI, W. JEDIDI, V. RIVERO : *On exponential functionals, harmonic potential measures and undershoots of subordinators*. ALEA, Lat. Am. J. Probab. Math. Stat. 11 (2), 711-735 (2014).
- W. JEDIDI : *Poisson shot noise traffic model and approximation of significant functionals*. Abstract and Applied Mathematics, Special Issue, 1-9, (2014).
- W. JEDIDI, T. SIMON: *Further Examples of GGC and HCM densities*. Bernoulli 19(5A), 1818–1838, (2013).
- W. JEDIDI, R. MCGORMAN, J. ALMHANA, V. CHOULAKIAN: *General shot noise processes and functional convergence to stable processes*, Chapter 3. Springer Proceedings in Mathematics, Zili, M.; Filatova, D. V. (Eds.), pp. 151–178, vol. 7, (2011).
- W. JEDIDI: *Stable Processes, mixing, and distributional properties, II*. Theory of Probability and its Applications, pp. 81–105, vol. 53 (1), (2009).
- W. JEDIDI: *Stable Processes, mixing, and distributional properties, I*. Theory of Probability and its Applications, pp. 580–593, vol. 52 (4), (2008).
- R. MCGORMAN, J. ALMHANA, V. CHOULAKIAN, Z. LIU, W. JEDIDI: *Similarities between voice and high speed internet traffic provisioning*. Proceedings of the Second Annual Conference on Communication Networks and Services Research, IEEE Computer Society, pp. 83–90, (2004).
- W. JEDIDI: *Regularity and Asymptotic Properties of Statistical Models Associated to Some Stochastic Processes*. PhD thesis, University Paris 6, (2000).

Current preprints

- W. JEDIDI, E. AL WAZZEN: *Extended Infinite Divisibility and Potential Measures*.

W. JEDIDI: New characterization of multiply self-decomposability.

W. JEDIDI: New results on Gamma functions related to self-decomposability.

Technical reports

S. FOURATI, W. JEDIDI : *Some Remarks on the Class of Bernstein Functions and Some sub-Classes*, 2011. <http://hal.archives-ouvertes.fr/docs/00/64/90/18/PDF/BHCarxiv1.pdf>.

W. JEDIDI: *Modelling Internet Traffic with Selfsimilar Processes, A tutorial approach with wavelets as an alternative to Karhunen-Loève*, 2003. Greti group, technical report.

W. JEDIDI, *Local Asymptotic Normality of Statistical Models Associated with Discrete Observations of Lévy Processes*, 2001. <http://www.stochastik.uni-freiburg.de/DYNSTOCH/FRresearch.html>

W. JEDIDI, *Régularité de quelques modèles associés à un processus markovien de sauts pur*. Pre-publication n° 265, Laboratoire de Probabilités, Université Paris 6, 1998. <http://www.proba.jussieu.fr/mathdoc/preprints/index.html>

Papers under preparation

W. JEDIDI, N. AL HARTHI: *Some Results on Cumulant Functions*.

W. JEDIDI: *On the Length-Size-Biasing and Infinite Divisibility*.

L. ALILI, W. JEDIDI, V. RIVERO: *Exponential Functionals of Subordinators and Conjugacy*.