Laurent Decreusefond

Curriculum Vitae

Education and carreer

2007–	**Full professor of Mathematics**, *Telecom ParisTech*, Paris.
	Probability, random geometry, random topology, stochastic modelling
1993–2007	**Assistant professor**, *Telecom ParisTech*, Paris.
1990–1993	**Lecturer**, *University Paris 6*, Paris.
2001	**Habilitation**, *University ParisSaclay*.
	Stochastic calculus for Volterra type processes
1994	**PhD**, *Telecom ParisTech*, Paris.
	Perturbation methods for queueing networks
1989	**Agrégation de mathématiques**.
1986–1990	**Ecole Normale Supérieure**, ParisSaclay.

Other activities

2017–	**Vice dean of LTCI laboratory**, *Telecom ParisTech*.
2004–	**Concours Mines-Ponts**, *Responsible for the maths subject of the national competition Concours Mines-Ponts*.
2009–2013	**Coordinator of the group MAIRCI**.
	Subgroup of the French society of Applied Maths (SMAI)

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Selected publications

DECREUSEFOND, L., SCHULTE, M. and THÄLE, C. Functional Poisson approximation in Kantorovich-Rubinstein distance with applications to U-statistics and stochastic geometry. *Annals of Probability*, 2016.

DECREUSEFOND, L., FLINT, I. and VERGNE, A. Efficient simulation of the Ginibre point process. *Journal of Applied Probability*, 2015.

DECREUSEFOND, L., FERRAZ, E., RANDRIAMBOLOLONA, H., and VERGNE, A. Simplicial homology of random configurations. *Journal of Advances in Applied Probability.*, 2013.

DECREUSEFOND, L., DHERSIN, J.S., MOYAL, P., and TRAN, C. V. Large graph limit for an SIR process in random network with heterogeneous connectivity. *Annals of Applied Probability*, 2011.

COUTIN, L., DECREUSEFOND, L., and DHERSIN, J.S. A Markov model for the spread of viruses in an open population. *Journal of Applied Probability*, 47(4), 2010.

Full list at `https://cv.archives-ouvertes.fr/laurent-decreusefond`

PhD students

○ E. Besançon : *Convergence rate for diffusion approximations*, 2016-2019. (with P. Moyal).
○ A. Vasseur : *Stochastic analysis of $alpha-$ stable processes*, 2014-2017. (with F. Chazal (INRIA)).
○ F. Maunoury : *Stochastic analysis of permanantal processes*, 2013-2016. (with N. Eisenbaum (Paris 7)).
○ A. Vergne (2013) : Assistant professor at Telecom ParisTech.
○ I. Flint (2013) : post-doc at Singapore University.
○ T.T. Vu (2012) : WorldQuant (Vietnam).
○ E. Ferraz (2012) : assistant professor in Brasil.
○ I. Camilier (2010) : Banque de France.
○ P. Moyal (2005) : assistant professor (HDR) at University of Compiègne.
○ N. Savy (2003) : assistant professor (HDR) at University of Toulouse.