

Fabio LOPES

PERSONAL & CONTACT INFORMATION

NAME: Fabio Marcellus Lima Sá Makiyama Lopes
NATIONALITY: Brazilian
DATE OF BIRTH: 17-01-1984
PLACE OF BIRTH: São Paulo, Brazil
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CURRENT POSITION

<i>Since December 2015</i>	Postdoctorado FONDECYT CENTRO DE MODELAMIENTO MATEMÁTICO UNIVERSIDAD DE CHILE, DEPARTAMENTO DE INGENIERÍA MATEMÁTICA, FCFM
MENTOR	<i>Professor Servet Martínez</i> Project Postdoctorado FONDECYT 2016 “Stochastic epidemic models with competition: convergence, extinction times and quasi-stationarity” - 3 years
<i>Research Interests</i>	Epidemic Models, Limiting and long-term behaviour of Markov population processes, discrete spatial structures and random graphs

PREVIOUS POSITION

<i>January-December 2015</i>	Postdoctoral Research Assistant SCHOOL OF MATHEMATICAL SCIENCES QUEEN MARY, UNIVERSITY OF LONDON, London
MENTOR	<i>Professor Malwina Luczak</i> Position associated with the EPSRC Leadership Fellowship of Professor Malwina Luczak, for research on “ Stochastic models for epidemics in large populations: limiting and long-term behaviour ”

EDUCATION

SEPTEMBER 2014	Doctorate Degree in MATHEMATICAL STATISTICS, Stockholms Universitet , Sweden Thesis: “ Spatial marriage problems and epidemics ” Advisor: Prof. Maria DEIJFEN OPPONENT: Prof. Markus Heydenreich THESIS COMMITTEE: Prof. Pieter Trapman, Prof. Svante Janson and Prof Tatyana Turova
APRIL 2010	Master of Sciences in STATISTICS, Universidade de São Paulo , Brasil Thesis: “Fluid Limit for the Erdős-Rényi random graph” Advisor: Prof. Fábio MACHADO THESIS COMMITTEE: Prof Élcio Lebensztayn, Prof Fábio Machado and Prof. Marcelo Sobottka
DECEMBER 2008	Bachelor of Arts in ECONOMICS, Universidade de São Paulo , Brasil

PUBLICATIONS, MANUSCRIPTS AND WORK IN PROGRESS

- 2012 Bipartite Stable Poisson Graphs on R (with M. Deijfen)
Markov Processes and Related Fields, Vol. 18, No.4, pages 583-594
- 2014 Epidemics on a weighted network with tunable degree-degree correlation
Mathematical Biosciences, vol 253, July 1014 , pages 40-49
- 2014 Invariant bipartite graphs in R^d
Journal of Applied Probability, vol 51, No. 3 , pages 769-779
- 2014 A note on the coexistence times for two competing SIS epidemics **manuscript**
- 2015 Extinction times for competing SIS epidemics (with M. Luczak) **in preparation**
- 2015 On the duration of a rumour spreading model **work in progress**