

Lalaina RAKOTONINDRAINY

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Research Fields

Applied Mathematics, Optimization, Mathematical Economics, General Equilibrium, Overlapping Generations Models, Microeconomy, Economical growth.

Current Position

ATER, Teaching and research assistant, Université Paris 1, Panthéon-Sorbonne, since September 2014.

Ph.D, Applied Mathematics, Université Paris 1 Panthéon-Sorbonne and Dr. rer. pol, Universität Bielefeld, Germany, a joint diplom within EDEEM (European Doctorate in Economics- Erasmus Mundus).

Education

Ph.D student, EDEEM, UFR 27- Mathématiques et Informatique, Université de Paris 1 - Panthéon Sorbonne and Departement of Economics, Universität Bielefeld. 2011-2015

Thesis: *Contributions to Overlapping Generations models: increasing returns, Durable goods and Optimality*

Supervisors: Prof. Jean-Marc Bonnisseau, Prof. Christiane Clemens

Public defence: October 22nd. 2015.

Master Erasmus Mundus- Methods and Mathematical Models in Economics and Finance, Université de Paris 1, Panthéon-Sorbonne, Universität Bielefeld 2008-2010

Master thesis: *Pricing with Continuous Martingale of Maximal Variation (CMMV)*

Advisor: Prof. Bernard de Meyer

DEA (*Diplôme d'Etudes Approfondies*), Department of Mathematics, University of Antananarivo

Option: Applied Maths-Mathematical Economics

2006-2008

Maîtrise in Mathematics, Department of Mathematics, Université d'Antananarivo
Options: Probability Theory, Numerical Analysis 2001–2006

Baccalauréat série C (Mathematics & Physics), Lycée Andohalo, Antananarivo 2000

Publications and Working papers

Existence of equilibrium in OLG economies with increasing returns, with Jean-Marc Bonnisseau, *Economic Theory*, 2016, DOI 10.1007/s00199-016-0955-6.

Notes on the Characterization of Optimal allocations in OLG models with multiple goods, with Jean-Marc Bonnisseau, *Set-Valued Var. Anal* (2016) 24: 101–114.

Existence of equilibrium in OLG economies with durable goods (2014), Documents de travail du CES 2014.46, Université de Paris 1 Panthéon-Sorbonne.

Conferences and Seminars

GdR-MOA, Mathématiques de l'Optimisation et Applications, Dijon December 2015

15th SAET Conference on Current Trends in Economics, Cambridge July 2015

European Workshop on General Equilibrium Theory (EWGET), Naples June 2015

Atelier *Méthodes de la Dynamique*, Université de Paris 1 May 2015

European Workshop on General Equilibrium Theory (EWGET), Paris July 2014

GEDays 2014, Université de York, UK Juin 2014

5ème Conférence Euro-Africaine en Finance et Economie, Agadir, Maroc April 2014

SMAI-MODE, Mathématiques de l'Optimisation et de la décision, Rennes March 2014

Atelier *Méthodes de la Dynamique*, Université de Paris 1 November 2013

7th EBIM Doctoral Workshop on Economic Theory, Université de Bielefeld December 2012

Atelier *Méthodes de la Dynamique*, Université de Paris 1 October 2012

SMAI-MODE, Mathématiques de l'Optimisation et de la décision, Dijon March 2012

Teaching

Lecturer: Euclidean Algebra, Master Qem 2015–2016

Teaching Assistant: Fundamentals in mathematics, Analysis in \mathbb{R}^n , Microeconomy, Algebra & Analysis (First & Second year Bachelor), Multivariational Analysis, Master Qem

2009–2015

Peer Review

Referee for Economics Bulletin

December 2012, October 2015

Fellowships

European Doctorate in Economics–Erasmus Mundus (EDEEM) Fellowship 2011–2014

IPID (International promovieren in Deutschland)–DAAD 2012–2013

Erasmus Mundus Scholarship for QEM Master 2008–2010

Miscellaneous

Scientific applications: Mathematica, \LaTeX

Languages : Malagasy, French (bilingual), Anglais (fluent), Allemand (level B1)