Daniele Rinaldo (Postdoctoral research fellow, IHEID, Geneva)

CONTACT INFO
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PERSONAL
INFORMATION
Date of birth: February 7th, 1984 **Nationality**:   Italian
Languages spoken: Italian (native), English, French (fluent), German, Spanish (intermediate)

EDUCATION
The Graduate Institute of International and Development Studies, Geneva   2018
PhD in Economics, *summa cum laude avec félicitations* for both thesis and defense
Thesis title: *Essays on Non-Gaussian Economics*
Supervisors: *Prof. Jean-Louis Arcand*
Awards: Leonid Hurwicz Prize for the best PhD thesis

Musik-Akademie Basel   2014
Soloist diploma *mit Auszeichnung*

Royal Academy of Music, London   2011
Master of Arts in Piano Performance (with Knight Prize)

University of Padua   2009
MSc in Mathematics and Finance

University of Padua   2006
BSc in Mathematical Economics
Awards: *summa cum laude* for the best thesis in applied mathematics

Accademia Nazionale Santa Cecilia, Rome   2006
Postgraduate diploma in Piano Performance (10/10)

Conservatorio Nazionale "C.Pollini", Padua   2002
Undergraduate diploma *cum laude* in Piano Performance

RESEARCH
INTERESTS
Applications to Development, Health and Resource Economics of:
- Uncertainty and risk
- Mean-field games
- Machine learning techniques
Modeling and estimation of the economic impact of endemic diseases, with a focus on Sub-Saharan Africa.
Contract theory, with applications of optimal transportation theory. Applications to agricultural contracts in developing countries.

FUNDED PROJECTS: Co-principal investigator (2018-2020):
Schistosomiasis, Agriculture and Migration in Africa: a joint Economic and Ecological Approach, funded by the Swiss Network of International Studies (SNIS).
Research associate (2018-2020):
Automated Interpretation of Political and Economic Policy Documents. Machine Learning using semantic and syntactic information, funded by the Swiss National Fund (SNF).

PUBLICATIONS
- Increasing Risk: Dynamic Mean-Preserving Spreads (2020)
  Joint with Jean-Louis Arcand and Max-Olivier Hongler
  Journal of Mathematical Economics, Volume 86, Pages 69-82
  https://www.sciencedirect.com/science/article/pii/S0304406818301332

WORKING PAPERS
- The Economic Impact of Schistosomiasis (2020)
  Joint with Jean-Louis Arcand, Javier Perez-Saez and Penelope Vounatsou
  submitted for review
- Can One Hear the Size of a Target Zone? (2020) [Latest Version]
  Joint with Jean-Louis Arcand, Max-Olivier Hongler and Shekhar Hari Kumar
  submitted for review
- Health Capital, Economic Growth and the Burden of Disease (2020)
  Joint with Jean-Louis Arcand
  working paper, part of *The World Bank Human Capital Project*
- Firm Decisions under Jump-Diffusive Dynamics (2019) [Latest Version]
  Joint with Neha Deopa
  submitted for review
- Scenes from a Monopoly: Renewable Resources and Quickest Detection of Regime Shifts (2019)
  Joint with Neha Deopa (IHEID)
  IHEID working paper
- May the Force Be With You! Mean-Preserving Spreads and the Agency Problem (2018)
  IHEID working paper
- Noise-induced Entry and Exit Decisions driven by Non-Markovian Noise (2016)
  IHEID working paper

TEACHING   **The Graduate Institute of International and Development Studies**   2014 - 2020
Geneva, Switzerland
Stochastic Processes for Economic Modeling (Lecturer, 2020)
Econometrics 1 (Teaching Assistant, 2014-2017)
Macroeconomics 1 (Teaching Assistant, 2017)
Macroeconomics 2 (Teaching Assistant, 2015-2017)

SEMINARS   Conferences and seminars in IHEID and University of Geneva, EPFL in Lausanne, ETH in Zürich, ISS in The Hague, University of Padua, University of Venice.

PROGRAMMING   Main programming in R, Mathematica, MATLAB.
LANGUAGES   Subroutines in C++

EMPLOYMENT   Active concert pianist, performing worldwide.

References

Jean-Louis Arcand
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Ugo Panizza
Professor of Economics
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Didier Sornette
Chair of Enterpreneurial Risks
Department of Management,
Technology and Economics (D-MTEC)
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Max-Olivier Hongler
Professor Emeritus
Statistical Physics, STI-DO
École Polytechnique Fédérale de Lausanne (EPFL)
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