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Università Bocconi
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CURRENT POSITION

Post-doc assistant

Department of Economics, IFIN, Università della Svizzera Italiana, from Sept. 2017
Reference: Prof. Antonio Mele

RESEARCH INTERESTS

Asset pricing, financial economics, financial econometrics

EDUCATION

PhD in Economics and Finance, Università Bocconi, Sept. 2012 – May 2018

Thesis: Orthogonal decompositions in asset pricing
Supervisor: Prof. Fulvio Ortu

Master degree, Mathematics, Università degli Studi di Milano, Sept. 2010 – July 2012

Thesis: Stochastic dominance in the representation of preferences
Supervisor: Prof. Marco Frittelli, *Grade:* 110/110 cum laude

Bachelor degree, Applied Mathematics, Università degli Studi di Milano, Sept. 2007 – July 2010

Thesis: Fenchel duality in Hilbert spaces
Supervisor: Prof. Libor Vesely, *Grade:* 110/110 cum laude

RESEARCH EXPERIENCE

Research fellow funded by ERC, IGER, Università Bocconi, Feb. 2017 – Aug. 2017

Reference: Prof. Simone Cerreia-Vioglio

Visiting PhD student, Becker Friedman Institute, The University of Chicago, Spring 2016

Reference: Prof. Lars Peter Hansen

JOB MARKET PAPER

Severino: Long-term risk with stochastic interest rates.

PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED JOURNALS

1. Marinacci, **Severino** (2018) Weak time-derivatives and no-arbitrage pricing. *Finance and Stochastics* 22(4), 1007-1036.
2. **Severino** (2016) Isometric operators on Hilbert spaces and Wold decomposition of stationary time series. *Decisions in Economics and Finance* 39(2), 203-234.

BOOK CHAPTERS

3. Di Virgilio, Ortu, **Severino**, Tebaldi (2019) Optimal asset allocation with heterogeneous persistent shocks and myopic and intertemporal hedging demand. In book: *Behavioral finance: the coming of age* by Itzhak Venezia, World Scientific.

WORKING PAPERS

4. Ortu, **Severino**, Tamoni, Tebaldi (R&R) A persistence-based Wold-type decomposition for stationary time series.
5. Cerreia-Vioglio, Ortu, **Severino**, Tebaldi: Multivariate Wold decompositions.

WORK IN PROGRESS

6. Madotto, **Severino**: Heterogeneous awareness in financial markets.
7. Cerreia-Vioglio, Ortu, Rotondi, **Severino**: On time-consistent multi-horizon portfolio allocation.
8. Ortu, **Severino**, Tebaldi: Persistence-based Beveridge-Nelson decomposition.

TEACHING

Teaching assistant

- *Financial engineering* (Fall 2018) Master course, Università della Svizzera Italiana.
- *Fixed income* (Fall 2017, 2018) Master course, Università della Svizzera Italiana.
- *Asset pricing 1* (Fall 2015, 2016) PhD course, Università Bocconi.
- *Quantitative finance and derivatives 1* (Fall 2014) Master course, Università Bocconi.
- *Introduction to probability* (Fall 2014, 2015, 2016) PhD course, Università Bocconi.
- *Advanced mathematics for economics and social sciences* (Fall 2013, 2014, 2015, 2016) Master course, Università Bocconi.

Students' supervision

Shared supervision of several Master degree's theses, Università Bocconi.

Tutor

Mathematical analysis 2 (Spring 2012) Bachelor course, Università degli Studi di Milano.

AWARDS AND FELLOWSHIPS

- *AMASES Award for the best paper by a young researcher at XL Annual Meeting*, Sept. 2016.
- *Fondazione Cariplo Mobility grant*, 2016.
- *PhD Award*, Università Bocconi, Sept. 2014.
- *PhD fellowship*, Università Bocconi, Sept. 2012 – Jan. 2017.
- *Registration to National Register of Excellences* for school year 2006/07.

INVITED PRESENTATIONS

1. Severino (May 2019) Weak time-derivatives and pricing equations. *Workshop on Martingales in Finance and Physics, International Centre for Theoretical Physics, Trieste*.
2. Severino (Feb. 2019) Long-term risk with stochastic interest rates. *Barclays Quantitative Portfolio Strategy, London*.
3. Severino (Feb. 2019) Research topics in asset pricing. *Brunel University London*.
4. Severino (Jan. 2019) Long-term risk with stochastic interest rates. *University of Amsterdam*.
5. Severino (Jan. 2019) Long-term risk with stochastic interest rates. *Université du Québec à Montréal*.
6. Severino (Jan. 2019) Long-term risk with stochastic interest rates. *University of Western Ontario*.
7. Severino (Jan. 2019) Research topics in asset pricing. *Durham University*.
8. Severino (Dec. 2018) Long-term risk with stochastic interest rates. *Université Laval*.
9. Severino (Dec. 2018) Long-term risk with stochastic interest rates. *Université de Montréal*.
10. Marinacci, Severino (Oct. 2016) Weak time-derivatives and no arbitrage pricing. *Università degli Studi di Milano-Bicocca*.

CONTRIBUTED PRESENTATIONS

11. Severino (June 2019) Long-term risk with stochastic interest rates. *International Risk Management Conference 2019 (IRMC), Università Bocconi*.
12. Severino (July 2018) Long-term risk with stochastic interest rates. *10th World Congress of the Bachelier Finance Society, Trinity College, Dublin*.
13. Severino (June 2018) Long-term risk with stochastic interest rates. *2018 North American Meeting of the Econometric Society (NASMES), University of California, Davis*.
14. Ortu, Severino, Tamoni, Tebaldi (June 2018) A persistence-based Wold-type decomposition for stationary time series. *11th Annual Society for Financial Econometrics Conference (SoFiE), Università della Svizzera Italiana*.

15. Severino (March 2018) Long-term risk with stochastic interest rates. *Model Uncertainty and Robust Finance Workshop*, Università degli Studi di Milano.
16. Di Virgilio, Ortu, Severino, Tebaldi (Feb. 2018) Optimal asset allocation with heterogeneous persistence of shocks. *Minisymposium co-chair, 9th Vienna International Conference on Mathematical Modelling (MATHMOD)*, Technische Universität Wien.
17. Di Virgilio, Ortu, Severino, Tebaldi (Dec. 2017) Optimal asset allocation with heterogeneous persistence of shocks. *11th International Conference on Computational and Financial Econometrics (CFE)*, University of London.
18. Ortu, Severino, Tamoni, Tebaldi (Sept. 2017) A persistence-based Wold-type decomposition for stationary time series. *XLI AMASES Conference*, Università di Cagliari.
19. Severino (Sept. 2017) Long-term risk with stochastic interest rates. *EDGE jamboree*, Università Bocconi.
20. Marinacci, Severino (Jan. 2017) Weak time-derivatives and no arbitrage pricing. *XVIII Quantitative Finance Workshop*, Università degli Studi di Milano-Bicocca.
21. Marinacci, Severino (Sept. 2016) Weak time-derivatives and no arbitrage pricing. *XL AMASES Conference*, Università di Catania.
22. Ortu, Severino, Tamoni, Tebaldi (Dec. 2014) A persistence-based Wold-type decomposition for stationary time series. *8th International Conference on Computational and Financial Econometrics (CFE)*, Università di Pisa.

OTHER PRESENTATIONS

23. Madotto, Severino (April 2019) Heterogeneous awareness in financial markets. *Brown Bag Seminar*, Università della Svizzera Italiana.
24. Severino (May 2018) Long-term risk with stochastic interest rates. *Brown Bag Seminar*, Università della Svizzera Italiana.
25. Severino (April 2018) Long-term risk with stochastic interest rates. *Brown Bag Seminar*, Università Bocconi.
26. Ortu, Severino, Tamoni, Tebaldi (Oct. 2016) Persistence-based Wold-type decompositions for economic and financial time series. *Prof. Marc Henry reading group*, The Pennsylvania State University, University Park.
27. Di Virgilio, Ortu, Severino, Tebaldi (April 2016) Optimal asset allocation with heterogeneous persistence of shocks. *Prof. Lars Peter Hansen reading group*, The University of Chicago.
28. Ortu, Severino, Tamoni, Tebaldi (April 2016) Persistence-based Wold-type decompositions for economic and financial time series. *Prof. Lars Peter Hansen reading group*, The University of Chicago.

OTHER CONFERENCES AND SCHOOLS

- *New Frontiers in Stochastics for Economics and Finance Workshop*, Università di Siena, May 2019.
- *AFA 2019 Annual Meeting*, Atlanta, January 2019.
- *Lugano Banking Day*, ABT, Lugano, March 2018.
- *12th End-of-Year Conference of Swiss Economists Abroad*, Università della Svizzera Italiana, Dec. 2017.
- *FINECO Trading Courses*, Unicredit, Milano, 2016-2017.
- *FMA Applied Finance Conference*, St. John's University, New York, May 2016.
- *Risk, Uncertainty and Decision Conference*, Università Bocconi, June 2015.
- *Games and Decisions 2 Workshop*, Scuola Normale Superiore, Pisa, July 2014.
- *8th World Congress of the Bachelier Finance Society*, Bruxelles, June 2014.
- *Sixth European Summer School in Financial Mathematics (EMS)*, Universität Wien, Aug. 2013.

SERVICE

- Discussant at CONSOB, Bocconi, ESMA Conference, Università Bocconi, March 2018.
- Referee for *Finance and Stochastics* and *European Journal of Operational Research*.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- AMASES, from 2016.

LANGUAGES

- Italian: mother tongue.
- English: fluent (TOEFL score 109/120 in 2015, First Certificate in English B2 in 2006).
- French: fluent (DELF B2 in 2007).

PROGRAMMING SKILLS

Good knowledge of Matlab, LaTeX, basic knowledge of C, Java, SAS, STATA, R.

REFERENCES

Fulvio Ortu

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Massimo Marinacci

Department of Decision Sciences, Università Bocconi
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Nicola Pavoni

Department of Economics, Università Bocconi
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Simone Cerreia-Vioglio

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