

## SIMONE CERREIA-VIOGLIO

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### Education

2010 Ph.D. Economics (with distinction), Columbia University  
2005 B. A. Finance (summa cum laude), Università Bocconi

### Professional Activities

2015-current Associate Professor, Università Bocconi  
2010-2015 Assistant Professor, Università Bocconi  
2010-current Fellow IGIER research center

### Visiting Positions

Spring 2011 Visiting Scholar, Cowles Foundation, Yale University  
Summers 2006-2009 Visiting Student, Collegio Carlo Alberto

### Research Interests

Economic Theory, Finance, Applied Mathematics

### Fellowships and Awards

2018 Plenary Speaker at 29<sup>th</sup> International Conference on Game Theory  
2014 Plenary Speaker at FUR 2014 conference  
2013 Jaffray Lecture at RUD 2013 (for an outstanding paper by young researchers),  
“Cautious Expected Utility and the Certainty Effect” with D. Dillenberger and P.  
Ortoleva  
2010 Lindt Dissertation Fellowship, Columbia University  
2008-2009 Lewis A. Sanders Fellowship, Columbia University  
2008 Wueller Award for Best Fourth Year Thesis Proposal, Columbia University, Dept.  
of Economics  
2008 Vickrey Prize for Best Third Year Paper, Columbia University, Dept. of  
Economics  
2007-2008 Ralph Erdman Holben Fellowship, Columbia University  
2007 Runner up Wueller Award for Best Third Year Proposal, Columbia University,  
Dept. of Economics  
2006-2007 Ente “Luigi Einaudi” Scholarship  
2005-2006 Graduate Fellowship, Columbia University

### Publications

- “An Explicit Representation for Disappointment Aversion and Other Betweenness Preferences,” with D. Dillenberger and P. Ortoleva, *Theoretical Economics*, forthcoming.
- “Sources of Uncertainty and Subjective Prices,” with V. Cappelli, F. Maccheroni, S. Minardi, and M. Marinacci, *Journal of the European Economic Association*, forthcoming.
- “Ambiguity Aversion and Wealth Effects,” with F. Maccheroni and M. Marinacci, *Journal of Economic Theory*, forthcoming.
- “A Behavioral Characterization of the Drift Diffusion Model and its Multi-Alternative Extension for Choice under Time Pressure,” with C. Baldassi, F. Maccheroni, M. Marinacci, and M. Pirazzini, *Management Science*, forthcoming.

- “Rational Preference and Rationalizable Choice,” with A. Giarlotta, S. Greco, F. Maccheroni, and M. Marinacci, *Economic Theory*, 69, 61-105, 2020.
- “Deliberately Stochastic,” with D. Dillenberger, P. Ortoleva, and G. Riella, *American Economic Review*, 109, 2425-2445, 2019.
- “A Characterization of Probabilities with Full Support in Metric Spaces and its Implications for Laplace Method,” with F. Maccheroni and M. Marinacci, *Journal of Optimization Theory and Applications*, 181, 470-478, 2019.
- “Orthogonal Decompositions in Hilbert A-Modules,” with F. Maccheroni and M. Marinacci, *Journal of Mathematical Analysis and Applications*, 470, 846-875, 2019.
- “Commutativity, Comonotonicity, and Choquet Integration of Self-adjoint Operators,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Reviews in Mathematical Physics*, 30, 10, 1850016, 2018.
- “Stochastic Dominance Analysis without the Independence Axiom,” with F. Maccheroni and M. Marinacci, *Management Science*, 63, 1097-1109, 2017.
- “Mixed Extensions of Decision Problems under Uncertainty,” with P. Battigalli, F. Maccheroni, and M. Marinacci, *Economic Theory*, 63, 827-866, 2017.
- “Hilbert A-Modules,” with F. Maccheroni and M. Marinacci, *Journal of Mathematical Analysis and Applications*, 446, 970-1017, 2017.
- “A Note on Comparative Ambiguity Aversion and Justifiability,” with P. Battigalli, F. Maccheroni, and M. Marinacci, *Econometrica*, 84, 1903-1916, 2016.
- “Conditional  $L_p$ -spaces and the Duality of Modules over f-algebras,” with M. Kupper, F. Maccheroni, M. Marinacci, and N. Vogelpoth, *Journal of Mathematical Analysis and Applications*, 444, 1045-1070, 2016.
- “Ergodic Theorems for Lower Probabilities,” with F. Maccheroni and M. Marinacci, *Proceedings of the American Mathematical Society*, 144, 3381-3396, 2016.
- “Objective Rationality and Uncertainty Averse Preferences,” *Theoretical Economics*, 11, 523-545, 2016.
- “The Structure of Variational Preferences,” with F. Maccheroni, M. Marinacci, and A. Rustichini, *Journal of Mathematical Economics*, 57, 12-19, 2015.
- “Put-Call Parity and Market Frictions,” with F. Maccheroni and M. Marinacci, *Journal of Economic Theory*, 157, 730-762, 2015.
- “Cautious Expected Utility and the Certainty Effect,” with D. Dillenberger and P. Ortoleva, *Econometrica*, 83, 693-728, 2015.
- “Self-confirming Equilibrium and Model Uncertainty,” with P. Battigalli, F. Maccheroni, and M. Marinacci, *American Economic Review*, 105, 646-677, 2015.
- “Choquet Integration on Riesz Spaces and Dual Comonotonicity,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Transactions of the American Mathematical Society*, 367, 8521-8542, 2015.
- “Niveloids and Their Extensions: Risk Measures on Small Domains,” with F. Maccheroni, M. Marinacci, and A. Rustichini, *Journal of Mathematical Analysis and Applications*, 413, 343-360, 2014.

- “Classical Subjective Expected Utility,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Proceedings of the National Academy of Sciences*, 110, 6754-6759, 2013.
- “Ambiguity and Robust Statistics,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Journal of Economic Theory*, 148, 974-1049, 2013.
- “Probabilistic Sophistication, Second Order Stochastic Dominance, and Uncertainty Aversion,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Journal of Mathematical Economics*, 48, 271-283, 2012.
- “Signed Integral Representations of Comonotonic Additive Functionals,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Journal of Mathematical Analysis and Applications*, 385, 895-912, 2012.
- “Rational Preferences under Ambiguity,” with P. Ghirardato, F. Maccheroni, M. Marinacci, and M. Siniscalchi, *Economic Theory*, 48, 341-375, 2011.
- “Uncertainty Averse Preferences,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Journal of Economic Theory*, 146, 1275-1330, 2011.
- “Complete Monotone Quasiconcave Duality,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Mathematics of Operations Research*, 36, 321-339, 2011.
- “Risk Measures: Rationality and Diversification,” with F. Maccheroni, M. Marinacci, and L. Montrucchio, *Mathematical Finance*, 21, 743-774, 2011.

### **Some Working Papers**

- “Robust Opinion Aggregation and its Dynamics,” with R. Corrao and G. Lanzani, mimeo, 2020.
- “Equilibria of Nonatomic Anonymous Games,” with F. Maccheroni and D. Schmeidler, mimeo, 2019.
- “Decision under Model Misspecification,” with L. P. Hansen, F. Maccheroni, and M. Marinacci, mimeo, 2019.
- “The Rational Core of Preference Relations,” with E. Ok, mimeo, 2018.
- “Law of Demand and Stochastic Choice,” with F. Maccheroni, M. Marinacci, and A. Rustichini, mimeo, 2018.
- “Multinomial Logit Processes and Preference Discovery: Inside and Outside the Black Box,” with F. Maccheroni, M. Marinacci, and A. Rustichini, mimeo, 2017.
- “On the Equality of Clarke-Rockafellar and Greenberg-Pierskalla Differentials for Monotone and Quasiconcave Functionals,” with F. Maccheroni and M. Marinacci, mimeo, 2015.
- “Maxmin Expected Utility on a Subjective State Space: Convex Preferences under Risk,” mimeo, 2009.

### **Invited Seminars**

Arizona State University, U. C. Berkeley, Berlin Behavioral Economics Seminar Series, Università Bocconi, Caltech, Carlos III of Madrid, Collegio Carlo Alberto, Columbia University, Cornell, Dublin City University, University of Essex, Humboldt University, U. C. Irvine, Kansas Workshop on Economic Theory (Kansas University), London School of Economics: Econ Dept, London School of Economics: Math Dept, Ludwig Maximilians Universität München, Maastricht University, Max-Planck Institute, Université de Montréal, NYU Abu Dhabi, Paris-

Dauphine, UPenn, Purdue, Radboud University, U. C. San Diego, University of Southampton, Singapore Management University, WUSTL, Yale

### **Presentations at Conferences**

PIMS Summer School 2008 (University of British Columbia), D-TEA Conference 2009 (HEC Paris), North American Summer Meeting of the Econometric Society 2009, FUR 2010, RUD 2010, Econometric Society World Congress 2010, SAET Conference 2011, 28<sup>th</sup> Coloquio Brasileiro de Matematica 2011 (IMPA), RUD 2012, D-TEA Conference 2012 (HEC Paris), NES 20<sup>th</sup> Anniversary Conference 2012, AEA Meetings in San Diego 2012, D-TEA Conference 2013 (HEC Paris), SAET Conference 2013, FUR 2014, D-TEA Conference 2015 (HEC Paris), Knightian Uncertainty in Strategic Interactions and Markets 2015 (Bielefeld), Decision Making under Severe Uncertainty 2015 (LSE), Decision Day at Duke 2015 (Duke), RUD 2016, FUR 2016, EURO 2016, SAET 2016, RUD 2017, SAET 2017, HIS 2017 (Hitotsubashi University), ICEF 20<sup>th</sup> Anniversary Conference 2017, CIRM Advances in Stochastic Analysis for Risk Modelling, Advances in Decision Theory 2018 (Virginia Tech), SAET 2018, International Conference on Game Theory 2018, TUS 2018, RUD 2019, SAET 2019, Kent Bristol City Workshop in Economic Theory 2020.

### **Referee Activities**

**Associate editor of:** Economic Theory, Journal of Mathematical Economics, Mathematical Social Sciences, Mathematics of Operations Research

**Referee for:** American Economic Review, Annals of Applied Probability, Decisions in Economics and Finance, Econometrica, Economic Theory, European Journal of Operations Research, Finance and Stochastics, Forum Mathematicum, Games and Economic Behavior, International Economic Review, Journal of Economic Behavior and Organization, Journal of Economic Theory, Journal of the European Economic Association, Journal of Mathematical Economics, Management Science, Mathematical Finance, Mathematics and Financial Economics, Mathematical Social Sciences, Mathematics of Operations Research, Optimization, Quarterly Journal of Economics, Review of Economic Studies, Sankhya, Set-Valued and Variational Analysis, Social Choice and Welfare, Soft Computing, Statistical Methods and Applications, Theoretical Economics, National Science Foundation, Scientific Committee LOFT 2018, Scientific Committee RUD 2010-2018,

### **Teaching Experience**

2014-18	Decision Theory, Università Bocconi
2012-18	Advanced Mathematics, Università Bocconi
2011-15	Calculus, Università Bocconi
2008	Instructor for a series of lectures in Functional Analysis, Columbia University
2008	Instructor for Math Camp, Columbia University and Columbia Business School
2008	TA, Microeconomic Analysis II, Prof. MacLeod and Prof. Bolton
2007	TA, Intermediate Microeconomics, Prof. Dutta
2007	Instructor for Math Camp, Columbia University

### **Research Grants**

2019-2022 Italian Ministry for Education, University, and Research, PRIN Grant, Team Member (PI Fabio Maccheroni)

2016-2021 European Research Council (ERC), Starting Grant, Principal Investigator  
2016-2021 European Research Council (ERC), Advanced Grant, Team Member (PI Massimo Marinacci)  
2012-2013 European Research Council (ERC), Advanced Grant, Team Member (PI Massimo Marinacci)  
2012-2013 Italian Ministry for Education, University, and Research, PRIN Grant, Team Member (PI Fabio Maccheroni)