

# *Enrico De Giorgi*

## CURRICULUM VITAE

**August 2011**

### **Personal Information**

<i>Last Name</i>	De Giorgi
<i>First Name</i>	Enrico Giovanni
<i>Date of Birth</i>	June 6 <sup>th</sup> , 1975
<i>Marital Status</i>	Married, 1 child
<i>Nationality</i>	Swiss
<i>Languages (fluent)</i>	Italian (mother tongue), French, German, English.
<i>Postal addresses</i>	Faculty of Mathematics and Statistics School of Economics and Political Science University of St. Gallen Bodanstrasse 6 9000 St. Gallen Email: <a href="mailto:enrico.degiorgi@unisg.ch">enrico.degiorgi@unisg.ch</a> Homepage: <a href="http://www.enricodegiorgi.com">http://www.enricodegiorgi.com</a> Phone: +41 (0)71 224 24 30

### **Academic Positions**

<i>February 2009-present</i>	Assistant Professor Tenure Track for Mathematics, School of Economics and Political Science, University of St. Gallen.
<i>January 2011-present</i>	Visiting Professor, Institute of Finance, University of Lugano.
<i>June 2004 - present</i>	Senior Researcher, National Centre of Competence in Research, NCCR-FINRISK, University of Zurich.

## **Former Academic Positions**

<i>January 2006- December 2010</i>	Assistant Professor for Research, Institute of Finance, University of Lugano.
<i>September 2007 – February 2008</i>	Invited Professor, Institute of Banking and Finance, University of Lausanne.
<i>November 2004 - December 2005</i>	Scientific Researcher (Post-Doc), Institute of Finance, University of Lugano.
<i>2003-2004</i>	Teaching Assistant, Swiss Banking Institute, University of Zurich.
<i>2002-2004</i>	Research Assistant, National Centre of Competence in Research, NCCR-FINRISK, Institute for Empirical Research in Economics, University of Zurich.
<i>2000- 2003</i>	Research Assistant, RiskLab, Department of Mathematics, ETH Zurich.
<i>1997-1999</i>	Teaching Assistant, Department of Mathematics, ETH Zurich.

## **Academic Degrees**

<i>2004</i>	Ph.D. in Economics, University of Zurich Thesis supervisors: Prof. Dr. Thorsten Hens and Prof. Dr. Markus Leippold.
<i>1999</i>	Master Degree in Mathematics, ETH Zurich Thesis supervisor: Prof. Dr. Freddy Delbaen.
<i>1994</i>	Baccalaureat Type C, Liceo Cantonale Bellinzona.

## **Other Professional Activities**

<i>January 2011-present</i>	Head of the Profile Area Quantitative Economic Methods, School of Economics and Political Science, University of St. Gallen
<i>April 2009-present</i>	Member of the Research Board, Risklab.ae.
<i>January 2009-present</i>	Associate Editor, Management Science, Decision Analysis Department.

<i>September 2007 - present</i>	Founding Partner of BhFS Behavioural Finance Solutions GmbH.
<i>2006-2007</i>	Associate Editor, Journal of Banking and Finance.
<i>2003-2007</i>	Expert in Mathematics for the College of the Cantone Ticino.
<i>2001-2003</i>	Project “Risk Modelling for a Swiss Retail/Middle Market Loan Portfolio” with Kreditportefeuille-Management, Credit Suisse Group, Zurich.
<i>2002</i>	Project “Risk Aggregation Engine,” Audit for Swiss Re, Zurich.
<i>January 2000</i>	Bank Leu AG, Zurich.
<i>June-October 1999</i>	Vontobel Asset Management AG, Zurich.
<i>1999-2000</i>	First Lieutenant, Swiss Army.

### **PhD Students**

<i>PhD Thesis direction</i>	Jacopo Conte (in progress, University of Lugano), Tatiana Dvinyaninova (in progress, University of St. Gallen), Sukma Dewi Erawan (in progress, University of St. Gallen), Graziano Mirata (in progress, University of Lugano), Pirmin Meier (in progress, University of St. Gallen).
<i>Committee member</i>	<p>Andrea Vedolin: “Essays in Asset Pricing” (2011, University of Lugano, now Assistant Professor at London School of Economics);</p> <p>Nicola Fusari: “Three Essays in Option Pricing” (2009, University of Lugano, now visiting scholar at Kellogg School of Management);</p> <p>Maurizio Luisi: “The Term Structure of Credit Spreads and Economic Activity” (2008, University of Lugano, now Lecturer in Finance at Amsterdam Business School, University of Amsterdam);</p> <p>Matteo Facchinetti: “Market Discipline in Banking Regulation: Theory and Evidence From Switzerland” (2007, University of Lugano, now at Swiss National Bank);</p> <p>Martin Aegren: “Essays on Prospect Theory and the Statistical Modelling of Financial Returns” (2006, Uppsala University, now Credit Analyst at Handelsbanken, Stockholm).</p>

## Teaching

### Assessment Level

- Mathematik II (University of St. Gallen, 2010, 2011)

### Master Level

- Behavioural Finance (University of Lugano, 2007, 2008, 2009, 2010; University of St. Gallen, 2009, 2010, 2011);
- Derivatives (University of Lugano, 2006; University of Lausanne, 2007);
- Risk Management (University of Lugano, 2005, 2006, 2007, 2008, 2009);
- Quantitative Risk Management (University of St. Gallen, 2009, 2010, 2011)
- Derivatives and Financial Engineering (University of Zurich and ETH Zurich, 2004);

### PhD Level

- Behavioural Portfolio Theory (NCCR-FINRISK/University of Zurich, 2006, 2007, 2008, 2009, 2011);

### Other

- Behavioural Finance for Executives (University of Bologna, 2009; Swiss Finance Institute, 2008, 2009; Centro Studi Bancari Vezia, 2006, 2007, 2008; University of Zurich, 2006, 2009; Credit Suisse Business School, 2007).

## Awards and Honors

### 2010

Among the Top 100 Economists under 40 years in the German speaking world (Handelsblatt-Ranking 2010).

Grant nr. 105214-130078 from the Swiss National Science Foundation, 301'896 CHF from June 2010 to June 2013.

### 2007

Young Economist Award of the Swiss Society of Economics and Statistics for the paper "Beta Regimes for the Yield Curve."

### 2006

Grant of the Gamma Foundation BSI for the paper "A Reward-Risk Perspective on Prospect Theory: A Solution to the Asset Allocation Puzzle?"

### 2005

IEW Prize 2005 (price for young - less than 40 years old - members or former members of the Institute) for the paper "Reward-Risk Portfolio Selection and Stochastic Dominance," Institute for Empirical Research in Economics, University of Zurich.

Member of the scientific committee of the International Summer School on "Risk Measurement and Management", Rome, Italy.

2003

Young Economist Award of the Central Bank of the Republic of Turkey for the paper “Reward-Risk Portfolio Selection and Stochastic Dominance.”

1994

Prize for Outstanding Students from the Foundation Melisa-Buzi-Rusca, Lugano.

## Memberships

2009 - present	INFORMS
2009 - present	American Economic Association
2006 - present	European Finance Association
2005 - present	Alumni Finance Club of the University of Zurich
2005 - present	IEW Club
2004 - present	Econometric Society
2003 - present	Schweizerische Aktuarvereinigung (SAV)

## Referee for

*Decisions in Economics and Finance; Finance; International Journal of System Science; Journal of Banking and Finance; Journal of Business & Economic Statistics; Journal of Credit Risk; Journal of Economic Behavior and Organization; Journal of Finance; Journal of Future Markets; Journal of Mathematical Economics; Journal of Financial Quantitative Analysis; Management Science; Mathematical Finance; Mathematical Programming B; OR Spectrum; Review of Finance; Quantitative Finance; Review of Economic Studies; SIAM Journal of Optimization, Theory and Decision.*

## Publications

### **Referred Articles:**

- [1] "Two Paradigms and Nobel Prizes in Economics: A Contradiction or Coexistence?," *European Financial Management*, joint with H. Levy and T. Hens, Forthcoming.
- [2] "Loss Aversion and a State-dependent Reference Point," *Management Science*, joint with T. Post, 57(6), pp. 1094-1110, 2011.
- [3] "A Note on Reward-Risk Portfolio Selection and Two-Fund Separation," *Finance Research Letters*, joint with T. Hens and J. Mayer, 8(2), pp. 52-58, 2011.
- [4] "Financial Market Equilibria with Cumulative Prospect Theory," *Journal of Mathematical Economics*, joint with M.O. Rieger and T. Hens, 46(5), pp. 633-651, 2010.
- [5] "Prospect Theory and Mean-Variance Analysis: Does it make a difference in Wealth Management?," *Investment Management and Financial Innovations*, joint with T. Hens, 6(1), pp. 122-129, 2009.

- [6] “The  $\alpha$ -Beauty Contest: Choosing Numbers, Thinking Intervals,” *Games and Economic Behavior*, joint with S. Reimann, 64(2), pp. 470-486, 2008.
- [7] “Second Order Stochastic Dominance, Reward-Risk Portfolio Selection and the CAPM,” joint with T. Post, *Journal of Quantitative Financial Analysis*, 43(2), 525-546, 2008.
- [8] “Evolutionary Portfolio Selection with Liquidity Shocks,” *Journal of Economic Dynamics and Control*, 32(4), pp. 1088-1119, 2008.
- [9] “Computational Aspects of Prospect Theory and Asset Pricing Applications,” joint with T. Hens and J. Mayer, *Computational Economics*, 29(3-4), pp. 267-281, 2007.
- [10] “Beta Regimes for the Yield Curve,” joint with F. Audrino, *Journal of Financial Econometrics*, 5(3), pp. 456-490, 2007.
- [11] “Making Prospect Theory Fit for Finance,” joint with T. Hens, *Financial Markets and Portfolio Management*, 20(3), pp. 339-360, 2006.
- [12] “An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” joint with J. Burkhard, *Journal of Risk*, 8(4), pp. 57-95, 2006.
- [13] “Reward-Risk Portfolio Selection and Stochastic Dominance,” *Journal of Banking and Finance*, 29(4), pp. 895-926, 2005.
- [14] “Default Risk for Residential Mortgage Portfolios,” joint with J. Burkhard and V. Komaric, *Wilmott Magazine*, July, pp. 78-86, 2004.
- [15] “Using the Grouped t-Copula,” joint with S. Daul, F. Lindskog and A. McNeil, *Risk*, 16(11), pp. 73-76, 2003.

***Qualification Works:***

- [16] *Advancements on the Theory of Investment Science*, Ph. D. Thesis, University of Zurich, 2004.
- [17] “Ocone’s Theorem,” M.S. Thesis, ETH Zurich, 1999.

***Current Discussion Papers:***

“Capital Market Equilibrium with Binding Portfolio Restrictions,” joint with T. Post, working paper.

“Dual Representation of Choice and Aspirational Preferences,” joint with D.B. Brown and M. Sim, working paper (submitted).

“Loss Aversion with Multiple Investment Goals,” working paper (submitted).

“Dynamic Portfolio Choice and Asset Pricing with Narrow Framing and Probability Weighting,” joint with S. Legg, working paper (submitted).

“A Satisficing Alternative to Prospect Theory,” joint with D.B. Brown and M. Sim, working paper.

“A Reward-Risk Perspective of Prospect Theory with an Application to the Asset Allocation Puzzle,” joint with T. Hens and J. Mayer, working paper.

“Existence of CAPM Equilibria with Prospect Theory Preferences,” joint with H. Levy and T. Hens, working paper, under strong revision.

“A Note on Portfolio Selection under Various Risk Measures,” working paper.

“An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” report, ETH Zurich.

### ***Unpublished Works:***

[18] “Risk Aggregation Engine,” joint with P. Embrechts, F. Lindskog and A. McNeil, Audit Report, Swiss Re, Internal Document, 2003.

[19] “Macro Analyzer,” Vontobel Asset Management, Internal Document, 1999.

[20] “Forecasting Program,” Vontobel Asset Management, Internal Document., 1999.

### ***Contributions to books:***

[21] “Using the Grouped t-Copula,” joint with S. Daul, F. Lindskog and A. McNeil, *The Risk Annual. Technical Papers from the Cutting Edge Section of Risk*, introduced by Nicholas Dunbar, Risk Books, pp. 537-548, 2004.

## **Selected Talks**

### ***Conferences and Workshops***

“Dual Representation of Choice and Aspirational Preferences” (with D.B. Brown and M. Sim)

- Risk, Uncertainty, and Decision 2010 (RUD) conference, Paris, June 20-July 2, 2010.
- FUR XIV International Conference, University of Newcastle, June 15-18, 2010.

“A Satisficing Alternative to Prospect Theory” (with D.B. Brown and M. Sim)

- 5th Annual CARISMA Conference 2010: The Interface Of Behavioural Finance and Quantitative Finance (invited speaker), London, February 2-3, 2010.
- Workshop on Risk Measures and Robust Optimization in Finance, National University of Singapore, November 16-20, 2009.
- ESE Conferences Behavioural Economics, Erasmus School of Economics, Rotterdam, November 4, 2009.

“Portfolio Selection with Narrow Framing: Probability Weighting Matters” (with S. Legg)

- 15th International Conference on Computing in Economics and Finance, Sidney, Australia, July, 2009

“Loss Aversion with a State-dependent Reference Point” (with T. Post)

- North American Winter Meeting of the Econometric Society, San Francisco, USA, January 4, 2009.

“Computational Aspects of Prospect Theory and Asset Pricing Applications,” (with J. Mayer and T. Hens)

- Society for Nonlinear Dynamics and Econometrics Annual Conference, Paris, France, March 15, 2007.

“A Behavioral Foundation of Reward-Risk Portfolio Selection and the Asset Allocation Puzzle” (with J. Mayer and T. Hens)

- European Finance Association 2006, Zurich, Switzerland, August 22, 2006.
- BSI Gamma Foundation Conference on Behavioural Finance, Frankfurt, Germany, March 15, 2006.

“Beta Regimes for the Yield Curve” (with F. Audrino)

- IV International Summer School in Risk Management and Control, Rome, Italy, June 11, 2007.
- Swiss Society of Economics and Statistics Annual Meeting, St. Gallen, Switzerland, March 23, 2007.
- Econometric Society European Meeting 2006, Vienna, Austria, August 28, 2006
- International Workshop “Risk Management: From Basel II to Basel III,” Monte Verità, Ascona, Switzerland, March 2, 2006.
- RiskDay 2005, ETH Zurich, Zurich, Switzerland, October 21, 2005.

“Evolutionary Portfolio Selection with Liquidity Shocks,”

- Annual Conference of the Society for the Advancement of Economic Theory, Kos, Greece, June 21, 2007.
- 11th International Conference on Computing in Economics and Finance, George Washington University, Washington D.C., USA, June 24, 2005.

“Second Order Stochastic Dominance, Reward-Risk Portfolio Selection and the CAPM” (with T. Post)

- 14<sup>th</sup> European Workshop on General Equilibrium Theory, Zurich, Switzerland, May 21, 2005.
- International Conference on Risk Management and Quantitative Methods in Finance, University of Florida, Gainesville, USA, April 6-8, 2005.

“Existence of CAPM Equilibria with Prospect Theory Preferences” (with H. Levy and T. Hens)

- NHH Workshop, Norwegian School of Economics and Business Administration, Bergen, Norway, November 4, 2005.
- 13<sup>th</sup> European Workshop on General Equilibrium Theory, Venice, Italy, June 19, 2004.
- 2004 Financial Management Association European Conference, Zurich, Switzerland, June 4, 2004.
- Meeting of the French Finance Association, Paris, December 19, 2003.

“Risk-reward portfolio selection and Stochastic Dominance,”

- Third World Congress Bachelier Finance Society, Chicago, USA, July 21-24, 2004.
- III Workshop on Risk Measurement and Control, Rome, Italy, Keynote Lecture, June 9, 2004.
- Workshop Risk Measures in the 21st Century, Università Bocconi, Milano, Italy, April 23, 2004.
- erc/METU International Conference in Economics, Ankara, Turkey, September 8, 2003.

“An intensity based non-parametric default model for residential mortgage portfolios”

- II Workshop on Risk Measurement and Control, Rome, Italy, Keynote Lecture, June 11, 2004.
- 2nd World Congress, Bachelier Finance Society, Crete, June 13, 2002.
- RiskDay, ETH, Zurich, October 19, 2001.

### ***Research Seminars***

- “Dual Representation of Choice and Aspirational Preferences”, University of Siena, November 16, 2010.
- “Dual Representation of Choice and Aspirational Preferences”, University Cà Foscari, Venice, November 15, 2010.
- “Loss Aversion with State-dependent Reference Point”, INSEAD, April 3, 2009.
- “Financial Market Equilibria with Cumulative Prospect Theory,” Oxford University, November 28, 2008.
- “A Behavioral Foundation of Reward-Risk Portfolio Selection and the Asset Allocation Puzzle,” University of St. Gallen, April 1, 2008.
- “Stochastic Reference Points and Dependence Structure,” University of Lausanne, December 11, 2007.
- “Stochastic Reference Points and Dependence Structure,” University of Zurich, June 6, 2007.
- “A Behavioral Foundation of Reward-Risk Portfolio Selection and the Asset Allocation Puzzle,” NCCR Research Day, Gerzensee, June 12, 2006.
- “Prospect Theory: A Solution to the Asset Allocation Puzzle,” University of Zurich, November 25, 2005.
- “Second Order Stochastic Dominance, Reward-Risk Portfolio Selection and the CAPM,” University of Zurich, April 1, 2005.
- “Evolutionary Stable Strategies with Liability Shocks,” Finance Seminar, ESSEC, Paris, December 14, 2004.
- “Second Order Stochastic Dominance, Reward-Risk Portfolio Selection and the CAPM,” NCCR Research Day, Berne, October 22, 2004.
- “Second Order Stochastic Dominance, Reward-Risk Portfolio Selection and the CAPM,” Workshop NCCR-Project 3, University of Zurich, September 1, 2004.
- “Evolutionary Stable Strategies with Liability Shocks,” Workshop NCCR-Project 3, University of Zurich, August 31, 2004.
- “Evolutionary Portfolio Selection with Liquidity Shocks,” University of Zurich, May 16, 2004.

- “Prospect Theory and the CAPM: A contradiction or coexistence,” Study Center, Gerzensee, June 13, 2003.
- “Prospect Theory and the CAPM: A contradiction or coexistence,” University of Zurich, June 12, 2003.
- “Risk-reward portfolio selection for the two periods model,” University of Zurich, January 13, 2003.
- “Risk-reward portfolio selection for the two periods model,” ETH Zurich, June 28, 2002.

### ***Talks to the Financial Services Community***

- “Behavioural Finance and Client’s Risk Profiling,” UniCredit MBA, Bologna, March 30, 2009.
- “Behavioural Finance and Client’s Risk Profiling,” ISIDE, Milan, February 24, 2009.
- “Prospect Theory and Asset Allocation,” Behavioural Finance 2008, London, November 25, 2008.
- “Behavioural Finance and Clients’ Risk Profile,” Senior Management Program in Banking Swiss Finance Institute, Geneva, Switzerland, July 10, 2008.
- “Behavioural Finance and Risk Profiling,” Mini-Course, Credit Suisse Business School, Horgen, Switzerland, August 29, 2007.
- “Behavioural Finance and the Wealth Management Process,” UBS Lugano, Lugano, Switzerland, March 1, 2007.
- “A Behavioural Foundation of Reward-Risk Portfolio Selection,” Zurich Wealth Forum, University of Zurich, Zurich, Switzerland, September 21, 2006.
- “Alternative Risk Measures in Private Banking,” Zurich Wealth Forum, University of Zurich, Zurich, Switzerland, September 23, 2005.
- “An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” Credit Risk Summit Europe, London, October 17, 2001.
- “An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” UBS Warburg, London, October 24, 2001.
- “An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” UBS, Zurich, August 24, 2001.
- “An Intensity Based Non-Parametric Default Model for Residential Mortgage Portfolios,” FAME Certificate Programme, Lausanne, August 7, 2001.

### **Media Coverage**

- “Behavioural Finance - Wenn Gefühle die Märkte streuern,” Swissquote Magazine, March, 2010 (also available in French “Finance Comportementale - Ces émotions qui gouvernent les marchés”).
- “Homo economicus or not?” Denaris, March 17, 2008.
- “L’Osservatorio,” Radio della Svizzera Italiana, Rete 2, December 12, 2007.
- “Clienti a prova di perdite,” Il Sole 24, October 27, 2007.