

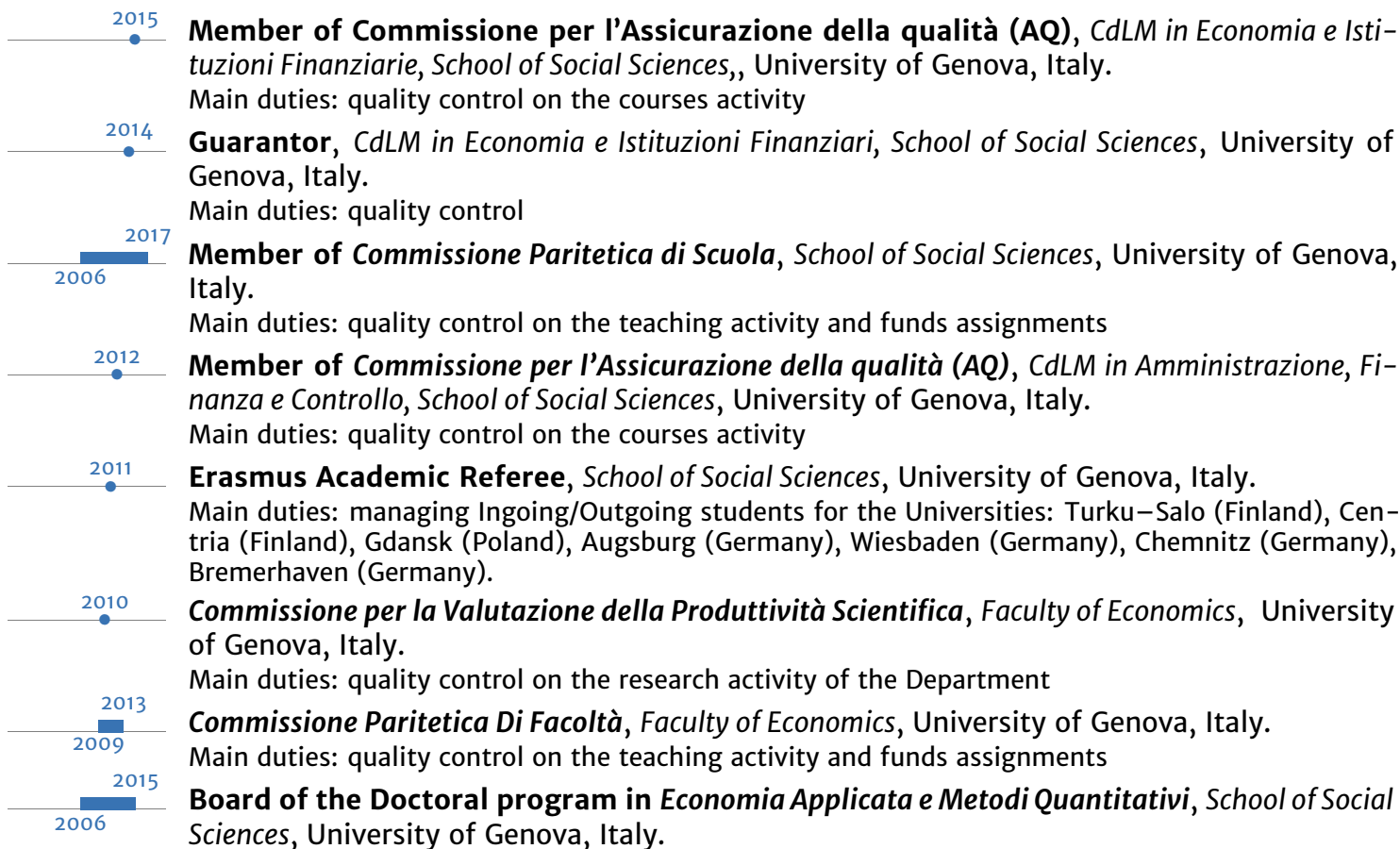
Assistant Professor of Applied Mathematics

Education

- 2004 **PhD Applied Economics and Quantitative Methods**, *University of Genova*, Genova, Italy.
- 2003 **Fractional Brownian Days**, *Faculty of Mathematics*, University of Helsinki, Finland.
- 2003 **SIAM Summer school on Probability**, Seattle, WA.
- 2002 **Summer School on Sensitivity Analysis of Model Output (SAMO 2002)**, *Università Ca' Foscari*, Venice, Italy.
- 2002 **Summer School on Risk Monitoring and Controlling**, *Università di Roma La Sapienza*, Rome, Italy.
- 2001 **Summer School in Stochastics and Finance**, *University of Barcelona*, Barcelona, Spain.
- 2001 **Summer School in Econometrics**, *CIdE (Inter University Center for Econometrics)*, Bertinoro, Forlì, Italy.
- 2000 **Winter School in Finance: Coherent Measures of Risk**, *Scuola Normale Superiore*, Pisa, Italy.
Lectures from Professor Freddie Delbaen
- 1999 **Winter School in Finance: Modeling Extremal Events in Insurance and Finance**, *Scuola Normale Superiore*, Pisa, Italy.
Lectures from Professor Paul Embrecht
- 1998 **Winter School in Finance: On Esscher transform for option pricing**, *Scuola Normale Superiore*, Pisa, Italy.
Lectures from Professor Hans Buhlmann
- 1996 **Summer School of Applied Mathematics in Finance**, *Università Ca' Foscari*, Auronzo di Cadore (BL), Italy.
- 1995 **MSc Economics**, *University of Genova*, Genova, Italy.

Institutional duties

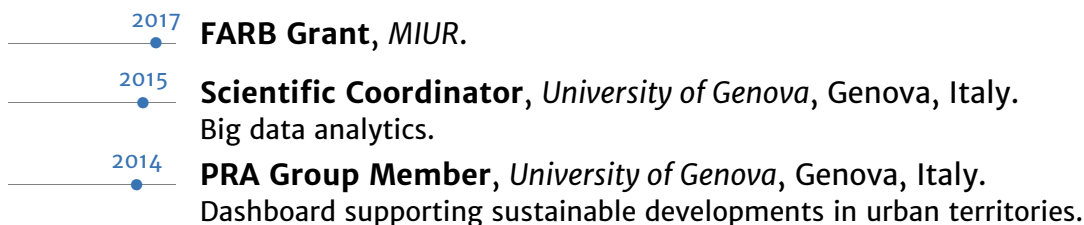
- 2018 **Department International Program Delegate.**
- 2018 **Head for the Erasmus Department Program.**
- 2018 **Head of the Training and Vocational guidance Program.**
- 2018 **Member of the Students Guidance Commission.**
- 2018 **Guarantor for the Double Degree Program with the Jaume I University, Castellon de la Plana, Spain.**
- 2017 **Board Member of the International Doctoral program in Economics**, *School of Social Sciences*, University of Genova, Italy.
- 2016 **Guarantor for the Double Degree Program with the Augsburg Technische Hochschule.**



Appointments






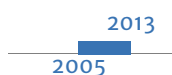
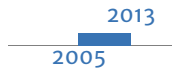
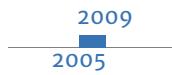
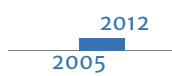
Research Grants



- 2013 **PRA Group Coordinator**, *University of Genova*, Genova, Italy.
Computational and Stochastic models for the evaluation of insurance risk within the Solvency II framework
- 2012 **PRA Group Member**, *University of Genova*, Genova, Italy.
Modelli matematici per la gestione e il controllo di rischi finanziari ed assicurativi.
- 2011 **PRA Group Member**, *University of Genova*, Genova, Italy.
Modelli matematici per l'analisi e il controllo del rischio.
- 2010 **PRA Group Member**, *University of Genova*, Genova, Italy.
Analisi dell'attività e dei costi (standard) della struttura complessa di medicina e chirurgia d'accettazione e d'urgenza.
- 2010 **FIRB Group Member**, *National Project*, Italian Scientific Research Ministry.
Percorsi di cura: nuovi modelli organizzativi e di gestione centrati sul paziente
- 2008 **PRA Group Member**, *University of Genova*, Genova, Italy.
Modelli matematici per la gestione del rischio.
- 2006 **PRA Group Member**, *University of Genova*, Genova, Italy.
Modelli matematici per il rischio assicurativo e finanziario.
- 2005 **PRA Group Member**, *University of Genova*, Genova, Italy.
Modelli Matematici per i Mercati dell'Energia.
- 2004 **Group Coordinator**, *University of Genova*, Genova, Italy.
Modelli Matematici per i Mercati dell'Energia.
- 2003 **PRA Group Member**, *University of Genova*, Genova, Italy.
Mathematical models and energy markets
- 2002 **PRIN Group Member**, *National Project*, Italian Scientific Research Ministry.
Come i mercati emergono e come funzionano: istituzioni, micro-comportamenti e risultati collettivi.
- 2001 **Group Coordinator**, *University of Genova*, Genova, Italy.
Metodi computazionali per l'analisi e la modellazione dei mercati elettrici
- 2000 **Group Coordinator**, *University of Genova*, Genova, Italy.
Agenti artificiali nella previsione dei mercati finanziari.
- 1999 **Group Coordinator**, *University of Genova*, Genova, Italy.
Analisi di fenomeni di criticità auto-organizzati nei sistemi economici.

Teaching appointments

- 2019 **Matematica per l'azienda**, *Department of Economics and Management, University of Pavia*, Pavia, Italy.
6 CFU
- 2019 **Matematica Generale M–Q (Calculus for Undergraduates, Group C), 1st Year Course**, *Department of Economics, University of Genova*, Genova, Italy.
9 CFU
- 2019 **Modern Portfolio Theory, 1st Year Graduate Course**, *Department of Economics, University of Genova*, Genova, Italy.
CdLM in Economia e Istituzioni Finanziarie (EIF), 6 CFU
- 2016 **Metodi computazionali per la valutazione di opzioni e poste attuariali (Computational methods for option pricing and actuarial estimations), 1st Year Graduate Course**, *Department of Economics, University of Genova*, Genova, Italy.
CdLM in Amministrazione, Finanza e Controllo (AFC), 6 CFU
- 2015 **Metodi computazionali per la valutazione di opzioni e poste attuariali (Computational methods for option pricing and actuarial estimations), 1st Year Graduate Course**, *Department of Economics, University of Genova*, Genova, Italy.
CdLM in Amministrazione, Finanza e Controllo (AFC), 6 CFU

	<p>Teoria Matematica del Portafoglio Finanziario (Portfolio Theory), 1st Year Graduate Course, <i>Department of Economics, University of Genova, Genova, Italy.</i> CdLM in Economia e Istituzioni Finanziarie (EIF), 6 CFU</p>
	<p>Utilizzo del Software R (Programming in R), 1st Year Graduate Course, <i>Department of Economics, University of Genova, Genova, Italy.</i> CdLM in Economia e Istituzioni Finanziarie (EIF), 3 CFU</p>
	<p>Teoria Matematica del Portafoglio Finanziario (Portfolio Theory), 1st Year Graduate Course, <i>Department of Economics, University of Genova, Genova, Italy.</i> CdLM in Economia e Istituzioni Finanziarie (EIF), 9 CFU</p>
	<p>Matematica Generale (Calculus for Undergraduates), 1st Year Course, <i>Department of Economics, University of Genova, Genova, Italy.</i> 9 CFU</p>
	<p>Matematica per l'analisi e il controllo dei processi aziendali (Applied Mathematics), 1st Year Graduate Course, <i>Department of Economics, University of Genova, Genova, Italy.</i> CdLM in Amministrazione, Finanza e Controllo (AFC), 6 CFU</p>
	<p>Matematica Generale (Calculus for Undergraduates), 1st Year Course, <i>Polo Universitario di Savona, University of Genova, Genova, Italy.</i> CdL in Economia del Turismo, 9 CFU</p>
	<p>Matematica Finanziaria (Financial Mathematics), 2nd Year Course, <i>Polo Universitario di Savona, University of Genova, Genova, Italy.</i> CdL in Economia del Turismo, 4–5 CFU</p>

International activity

Journals Refereeing activity

AI Communications; American Journal of Intelligent Systems; American Journal of Mathematics and Statistics; Applied Soft Computing; Computers and Mathematics with Applications; Economics Bulletin; Eurasian Economic Review; Hybrid Intelligent Systems; IEEE Computational Intelligence Magazine; IEEE Transactions on Neural Networks; Intelligent Systems in Accounting, Finance and Management; International Journal of Computer Mathematics; Journal of International Financial Markets, Institutions & Money; Journal of Systemics, Cybernetics and Informatics; KES; Management; Neurocomputing; New Mathematics and Natural Computing; Pattern Recognition Letters; Quantitative Finance; Soft Computing and Automation Journal; The Open Artificial Intelligence Journal.

Journals scientific board memberships

Applied Mathematics; American Journal of Intelligent Systems; American Journal of Mathematics and Statistics; Frontiers in Applied Mathematics and Statistics; International Journal of Financial Mathematics; Management; Global Research Journal on Humanities and Social Science Teachers.

Conferences scientific board memberships

KES2018. ECIE 2018. KES 2017. ECIE 2017. The World Congress on Engineering 2017 (WCE2017). KES 2016. ECIE 2016. The World Congress on Engineering 2016 (WCE2016). ECIE 2015. KES2015. The World Congress on Engineering 2015 (WCE2015). ICANN 2014. The World Congress on Engineering 2014 (WCE2014). The World Congress on Engineering 2013 (WCE2013). WSOM 2012, Workshop on Self Organizing Maps, Santiago del Chile, 12–14 December 2012. 16thWorldMulti-Conference on Systemics, Cybernetics and Informatics: WMSCI 2012. International Symposium On Engineering Education and Educational Technologies (EEET 2012), Orlando, Florida, USA. 10th International Conference on Computing, Communications and Control Technologies: CCCT 2012. 10th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2012. The World Congress on Engineer-

ing 2012 (WCE2012) The World Congress on Engineering 2011 (WCE2011). KES 2011, September 2011, Kaiserslautern, Germany. Workshop on Self Organizing Maps (WSOM2011), Helsinki, Finland, June 2011 International Symposium On Engineering Education and Educational Technologies (EEET 2011), Orlando, Florida, USA. 9th International Conference on Computing, Communications and Control Technologies: CCCT 2011. 15thWorldMulti-Conference on Systemics, Cybernetics and Informatics: WMSCI 2011. 9th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2011. The World Congress on Engineering 2010 (WCE2010). World Congress on Engineering 2009 (WCE2009), March 2009, London 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems:KES2008, 3, 4 and 5 September 2008, Zagreb, Croatia. ICOR 2007, International Conference on Operations Research, Hong Kong, 21-23 March, 2007. 2007 International Conference of Financial Engineering (ICFE), London, U.K., 2-4 July, 2007. Multiconference IMECS 2007, Hong Kong, 21-23 March, 2007 10th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2006 CIEF 2005 Special Session on Forecasting Volatility in Financial Market, July 21-26, 2005 Salt Lake City, Utah. WSEAS Int. Conf. on Automation and Information (ICAI'04) WSEAS Int. Conf. on Engineering Education (EE'04) 6th WSEAS Int. Conf. on Mathematical Methods and Computational Techniques in Electrical Engineering (MMACTEE 2004) 3rd WSEAS Int. Conf. on Non-linear Analysis, Non-linear Systems and Chaos (NOLASC 2004) 4th WSEAS Int. Conf. on Wavelet Analysis and Multirate Systems (WAMUS 2004) 2004 World Multiconference on Systemics, Cybernetics and Informatics (IWWC2004) 2003 World Multiconference on Systemics, Cybernetics and Informatics (IWWC2003) 2002 World Multiconference on Systemics, Cybernetics and Informatics (IWWC2002) 2001 World Multiconference on Systemics, Cybernetics and Informatics (IWWC2001)

Conference Chair

ECIE 2015. WSOM 2012, Workshop on Self Organizing Maps, Santiago del Chile, 12-14 December 2012. KES 2011, September 2011, Kaiserslautern, Germany. International Multiconference of Engineers and Computer Scientists 2008: IMECS 2008, Hong Kong, 19-21 March, 2008. ICOR 2007, International Conference on Operations Research, Hong Kong, 21-23 March, 2007.

Conference Referee

KES2019. ICSIT 2018. WCE2018. ICETI 2018. ECIE 2017.ECIE2016. ITAIS 2016. ECIE2015. ICANN 2014. WSOM 2012, Workshop on Self Organizing Maps, Santiago del Chile, 12-14 December 2012. KES 2012, September 2012, San Sebastian, Spain International Symposium On Engineering Education and Educational Technologies (EEET 2012), Orlando, Florida, USA. 10th International Conference on Computing, Communications and Control Technologies: CCCT 2012. 10th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2012. 15th International Conference on Knowledge-Based Intelligent Engineering Systems & Applied Technologies, Kaiserslautern, Germany, September 2011. International Symposium On Engineering Education and Educational Technologies (EEET 2011), Orlando, Florida, USA. International Symposium On Engineering Education and Educational Technologies (EEET 2010), Orlando, Florida, USA. 8th International Conference on Computing, Communications and Control Technologies: CCCT 2010. 14thWorldMulti-Conference on Systemics, Cybernetics and Informatics: WMSCI 2010. 8th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2010. International Symposium On Engineering Education and Educational Technologies (EEET 2009), Orlando, Florida, USA 10-13 July 2009. International Conference on Computers & Industrial Engineering (CIE39) 6-8 July 2009, Troyes, France. 3rd International Conference on Knowledge Generation, Communication and Management: KGCM q) International Symposium On Engineering Education and Educational Technologies (EEET 2009), Orlando, Florida, USA on July 10th - 13th, 2009., 6th International Conference on Computing, Communications and Control Technologies: CCCT 2008. 12thWorld Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2008. 6th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2008. 11thWorld Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2007,8-11 July , 2007, Orlando, Florida, USA. 2007 International Conference of Financial Engineering (ICFE), London, U.K., 2-4 July, 2007 ISDA 2005, Wroclaw, Polonia. 9th World Multi-Conference on Systemics, Cybernetics and

— Forthcoming Conferences

Workshop on Machine Learning for Finance, Venice, October 2019.

— Major Attended Conferences

IRMC 2019: Risk Management in a Challenging Global Environment, SDA Bocconi School of Management, June 2019, Milan, Italy. IES 2019: Statistical evaluation systems at 360°: techniques, technologies and new frontiers, July 2019, Rome, Italy. Wolpertinger conference 2019, August 2019, Venice, Italy. 5th Meeting on Statistics, Aegina, Greece. 43rd AMASES meeting, Perugia, Italy, September 2019. 29th EURO conference, July 2018, Valencia, Spain. Mathematical and Statistical Methods for Actuarial Sciences and Finance (MAF 2018), Madrid, Spain. International Conference on Energy Finance (ICEF 2018), Beijing, China. QFW2018, Rome, Italy, 24–25 January 2018. ECIE 2017, Paris, France, 21–22 September 2017. ECISM 2017, Genova, 14–15 September 2017. WIRN 2017, Vietri Sul Mare, 14–16 June 2017. HCSE 2017, Florence, Italy, 29–31 May 2017. ITAIS 2016, Verona, 6–8 October 2016. Financial Reporting Workshop, Genova, Italy, 9–10 June 2016. ECIE 2015, Genova, Italy, 17–18 September 2015. Human Rights and Dementia International Conference 2015, Salford, UK, 10–11 September 2015. ITAIS 2014, Genova, Italy, 21–22 November 2014. ICANN 2014, Hamburg, Germany 15–19 September 2014. WIRN 2014, Salerno, Italy, 15–16 May 2014. MAF 2014, Vietri sul Mare, Salerno, Italy, 22–24 April 2014. RACR 2013, Istanbul, Turkey, 28–30 August 2013. INFORMS 2013, Rome, Italy, 1–5 July 2013. WIRN 2013, Salerno, Italy, 21–24 May 2013. WSOM 2012, Workshop on Self Organizing Maps, Santiago del Chile, 12–14 December 2012. 19th Conference on Risk Theory, Università del Molise, Campobasso, 6 September 2012. MAF 2012, Fifth International Conference on Mathematical and Statistical Methods for Actuarial Science and Finance, 10–12 April 2012, Venice, Italy. KES 2011, 15th International Conference on Knowledge-Based Intelligent Engineering Systems & Applied Technologies, Kaiserslautern, Germany, 12–14 September 2011. 18th Conference on Risk Theory, Università del Molise, Campobasso, 7 September 2011. WSOM 2011, Workshop on Self Organizing Maps, Helsinki, Finland, June 2011. 17th Conference on Risk Theory, Università del Molise, Campobasso, Italy, September 2010. KES 2010 14th International Conference on Knowledge-Based Intelligent Engineering Systems & Applied Technologies, Cardiff, Gales, September 2010. ORAHS 2010, OR for patient-centered healthcare delivery, Genova, Italy, 18–20 July 2010. 2nd International Conference on Modelling, Computation and Optimization in Information Systems and Management Sciences (MCO'08), Metz, France, 8–10 September 2008. 15th Conference on Risk Theory, Università del Molise, Campobasso, Italy, 27 June 2008. CEF 2008, 14th International Conference on Computing in Economics and Finance, University Sorbona, Paris, 28 June 2008. APMOD 2008, International Conference on Applied Mathematical Programming and Modelling, Bratislava, Slovak Republic, 27–30 May 2008. WIRN 2008, Salerno, Italy, 21–24 May 2008. KES 2007 11th International Conference on Knowledge-Based Intelligent Engineering Systems & Applied Technologies, Vietri sul Mare (Salerno), Italy, 12–14 September 2007. AIRO 2007, the 38th Italian Operations Research Society Annual International Conference, Genova, Italy, 5–11 September 2007. WSOM07 7th International Workshop on Self Organizing Maps, Bielefeld, Germany, 3–6 September 2007. WILF 2007, International Workshop on Fuzzy Logic and Applications, Portofino Vetta – Ruta di Camogli, Genova (Italy), Luglio 7–10, 2007. 14th Conference on Risk theory, Università del Molise, Campobasso, Italy, June 27, 2007. KES 2006, Bornemouth, UK, October 2006. KES 2005, Melbourne, Australia, 14–16 September 2005. 29th AMASES Meeting, Palermo, Italy, 12–15 September 2005. 8th Italian-Spanish Meeting on Financial and Actuarial Mathematics, Verbania, Italy 29 June–1 July 2005. 12th Conference on Risk theory, Campobasso, Italy, June 26, 2005. SIAT Meeting, Genova, Italy, April 2005. KES 2004, Wellington, New Zealand, 19–24 September 2004. 1st Bonzenfreies Colloquium Market Dynamics and Quantitative Economics, Alessandria, Italy, 9–10 September 2004. KES 2003, Oxford, UK, 1–4 September 2003. 9th International SCE Conference, University of Seattle, USA, 9–11 July 2003. WEHIA 2003, Workshop on Economics with Heterogeneous Interacting Agents, Kiel, Germany, 29–31 May 2003.

KES 2002, University of Milan, Italy, 16–18 September 2002. 9th Conference on Risk theory, Campobasso, Italy, June 26, 2002. 1st New Conference: New Methods for the New Millennium, University of Salerno, Italy, 13–15 September 2001. KES 2001, University of Osaka–Nara, Japan, 4–7 September 2001. 7th International SCE Conference, University of Yale, New Haven (CT), USA, June, 28–29, 2001. 24th AMASES Meeting, Padenghe sul Garda (BS), Italy, 6–9 September 2000. KES 2000, University of Brighton, Sussex, (UK), 30–31 August, 1 September 2000. IJCNN (International Joint Conference on Neural Networks), Como, Italy, July 25–29, 2000. 6th International SCE (Society for Computational Economics Conference) Conference, Barcelona, Spain, July, 6–8, 2000. CEMAPRE 2000 (Conference on Mathematics Applied to Economics and Management), Lisbona, Portugal, June 5–7, 2000 PASE 2000 (Practical Applications of Statistics in Economics), Leuven, Belgium, April 2–5, 2000. 23th AMASES Meeting, Rende, Italy, 8–11 September 1999. 1st Italian School of Econophysics San Casciano dei Bagni, Siena, Italy, 20–22 August 1999. WEHIA'99, Genova, Italy, 3–5 June 1999. SCFM'99 (Symposium on Soft Computing In Financial Markets), Rochester Institute of Technology, Rochester, New York (USA) 22 – 25 June, 1999. HPCFIN Conference, Ischia, Italy, April 11–13, 1999. 22th AMASES Meeting, Genova, September 1998. WSOM97, 4–6 June 1997, Helsinki, Finland.

Awards

- Best paper award, 1999 CIMA Conference, Rochester NY
- Best paper award, 1999 AMASES Conference, Rende (CS), Italy
- CIdE scholarship, 2001

Languages

Italian	Native
English	Fluent
German	Fair
Spanish	Fair
Latin	Good
Ancient Greek	Good
Modern Greek	Fair

Mother Tongue

Skills

Development

Languages Java, Python, VB

Programming Matlab, Mathematica, R, Gretel

Marina Resta

PUBLICATIONS LIST

2019

110 Dameri, R. P.; Garelli, R. & Resta, M. (2019), 'Neural networks in accounting: Clustering firms' performance using financial reporting data', *International Journal of Information Systems*, forthcoming.

109 Resta, M.; De Giuli, M. E. & Greppi, A. (2019), 'An Object-Oriented Bayesian Framework for the Detection of Market Drivers', *Risks*.

2018

108 Dameri, R. P.; Garelli, R. & Resta, M. (2018), Smart Mobility portfolio analysis: the case of Barcelona, in Rita Lamboglia; Andrea Cardoni; Paola Dameri & Daniela Mancini, ed., 'Network, Smart and Open: three keywords for Information Systems innovation', Springer.

107 Resta, M.; Neffelli, M. & De Giuli, M. E. (2018), 'Portfolio selection with Minimum Regularised Covariance Determinant estimators' 29th European Conference on Operational Research'.

106 Satta, G.; Parola, F.; Resta, M.; Persico, L. & Vitellaro, F. (2018), 'Port investment and finance: A theoretical framework for asset allocation' IAME 2018'.

105 Neffelli, M. & Resta, M. (2018), 'Multivariate GARCH models: an application to the energy market' International Conference on Energy Finance (ICEF 2018)'.

104 De Giuli, M. E.; Neffelli, M. & Resta, M. (2018), An Integrated Approach to Explore the Complexity of Interest Rates Network Structure Mathematical and Statistical Methods for Actuarial Sciences and Finance MAF2018', Springer International Publishing.

103 De Giuli, M. E.; Neffelli, M. & Resta, M. (2018), 'Minimum Regularised Covariance Determinant estimators for equity selection' QFW2018 Book of Abstracts', 37.

102 Cafferata, A.; Giribone, P. G. & Resta, M. (2018), 'Interest rates term structure models and their impact on actuarial forecasting' QFW2018 Book of Abstracts', 42.

101 Resta, M. & Arato, A. (2018), The impact of social networks in developing and managing chronic care models, in C. Kahraman & I. Topcu, ed., 'Operations Research Applications in Health Care Management', Springer, pp. 87--104.

100 Resta, M.; Garelli, R. & Dameri, R. P. (2018), Mapping Financial Performances in Italian ICT-related firms via Self-Organizing Maps, in Rita Lamboglia; Andrea Cardoni; Paola Dameri & Daniela Mancini, ed., 'Network, Smart and Open: three keywords for Information Systems innovation', Springer.

99 Resta, M.; Sonnessa, M.; Tanfani, E. & Testi, A. (2018), 'Unsupervised neural networks for

emergent patient flow clustering', *Operation Research for Health Care*.

2017

98 Cesaroni, F. M.; Sentuti, A. & Resta, M. (2017), Family businesses, innovation and performance during an economic crisis. The SOM methodology, in Christophe Louè & Sonia Ben Slimane, ed., 'ECIE 2017, 12th European Conference on Innovation and Entrepreneurship', Academic Conferences and Publishing International Limited, pp. 686-695.

97 Cafferata, A.; Giribone, P. G.; Neffelli, M. & Resta, M. (2017), Yield curve estimation under extreme conditions: do RBF networks perform better?'WIRN 2017, 27th Italian Workshop on Neural Networks – June 14-16, Vietri sul Mare, Salerno, Italy', Springer.

96 Cafferata, A.; Giribone, P. G. & Resta, M. (2017), 'The effects of negative nominal rates on the pricing of American Calls: some theoretical and numerical insights', *Modern Economy* 8(7), 878-887.

95 Dameri, R. P.; Garelli, R. & Resta, R. (2017), University spin-off strategic profiles and their impact on regional development: a two-steps comparative analysis, in 'Innovation, Knowledge, Judgment and Decision-Making as Virtuous Cycles'.

94 Dameri, R. P.; Garelli, R. & Resta, M. (2017), 'Data analytics e intelligenza artificiale per l'analisi di bilancio. Performance e profili di business degli spin-off accademici', *IMPRESA PROGETTO* 3, 1--30.

93 Dameri, R. P.; Garelli, R. & Resta, M. (2017), Clustering firm performance by means of neural networks: experimental results in an urban area using balance sheet data, in 'Proceedings of ECISM 2017, the 11th European Conference on Information Systems Management'.

92 Piscopo, G. & Resta, M. (2017), 'Applying spectral biclustering to mortality data', *Risks*.

91 Sonnessa, M.; Landa, P.; Testi, A.; Tanfani, E. & Resta, M. (2017), A Hybrid Simulation Approach to face/analyze patient boarding in Emergency Departments, in P. Cappanera; J. Li; E. Sahin; N. J. Vandaele & F. Visintin, ed., 'Third International Conference on Health Care Systems Engineering 2017', Springer Proceedings in Mathematics & Statistics, .

2016

90 Astudillo, C. A.; Poblete, J.; Resta, M. & Oommen, B. J. Kang, B. H. & Bai, Q., ed., (2016), A Cluster Analysis of Stock Market Data Using Hierarchical SOMs, Springer International Publishing, Cham, chapter 6, pp. 101--112.

89 Dameri, R.; Garelli, R. & Resta, M. (2016), Using Unsupervised Neural Networks to profile companies' performance. The case of Genoa., in 'Financial Reporting Workshop, Genova, Italy, 9-10 June 2016'.

88 Dameri, R.; Garelli, R. & Resta, M. (2016), Mapping Financial Performances in Italian ICT-related firms via Self Organizing Maps, in 'IT AIS 2016, Verona Italy 7-8 October 2016'.

87 Dameri, R. and Garelli, R. & Resta, M. (2016), Smart Mobility portfolio analysis: the case of Barcelona, in 'ITAIS 2016, Verona Italy 7-8 October 2016'.

86 Resta, M. (2016), 'VaRSOM: a tool to monitor markets stability based on Value at Risk and Self-Organizing Maps', *Intelligent Systems in Accounting, Finance and Management* 23, 47-64.

85 Resta, M. (2016), 'Enhancing SOM capabilities with graph clustering: an application to financial markets.', *Intelligent Systems in Accounting, Finance and Management* 23, 21-46.

84 Resta, M.; Sonnessa, M.; Tanfani, E. & Testi, A. (2016), 'Modelling Bed Management behaviours through neural networks.', *EURO 2016 Conference, Poznan (Poland), 3-6 July 2016, Book of Abstracts* p 139.

83 Landa, P.; Resta, M.; Sonnessa, M.; Tanfani, E. & Testi, A. (2016), 'A Hybrid Simulation Framework to reproduce and test hospital organizational changes', *ORAHS 2016, 26-29 July 2016, Pamplona, Spain, book of abstracts*.

2015

82 Dameri, R. P.; Garelli, R. & Resta, M. (2015), Unsupervised neural networks for the analysis of business performance at infra-city level, in C. Rossignoli; M. Gatti & R. Agrifoglio, ed., 'Managing Information and Technology for Organizational Innovation and Change', Springer Verlag, pp. 1-10.

81 Dameri, R.; Garelli, R. & Resta, M. Dameri, R.; Beltrametti, L.; Garelli, R. & Resta, M., ed. (2015), *ECIE2015-10th European Conference on Innovation and Entrepreneurship: ECIE 2015, Academic Conferences and publishing limited*.

80 Resta, M.; Dameri, R. P. & Garelli, R. (2015), 'Exploiting patterns of activity of firms at urban level: a soft computing approach' *EURO 2015*'.

79 Resta, M. Jain, L., ed. (2015), *Handbook of Computational Intelligent Paradigms in Economic and Financial Decision Making*, Springer Verlag.

78 Resta, M. & Marina, M. E. (2015), 'On a new index aimed at comparing risks.', *Journal of Mathematical Finance* 2(5), 119-128.

77 Resta, M. (2015), 'An agent based simulator driven by variants of Self Organizing Maps.', *Neurocomputing* 247, 247-265.

76 Mahmoud, H.; Masulli, F.; Resta, M.; Rovetta, S. & Amr, A. (2015), Hubs and Communities Identification in Financial Networks, in S. Bassis; A. Esposito & F. C. Morabito, ed., 'Recent Advances of Neural Network Models and Applications Smart Innovation, Systems and Technologies', Springer Verlag, pp. 215-223.

2014

75 Resta, M. (2014), Variants of Self Organizing Maps in Social Systems Simulation, in J. K. Mantri, ed., 'Soft-Computing in Capital Market: Research and Methods of Computational Finance for

Measuring Risk of Financial Instruments', Universal Publishers.

74 Resta, M.; Lari, E. C. & Ravera, M. (2014), 'On the clustering of Holderian function values: a copula framework' *Mathematical and Statistical Methods for Actuarial Sciences and Finance (MAF 2014)*, Book of Abstracts'.

73 Marina, M. E. & Resta, M. (2014), Investment Rankings via an Objective Measure of Riskiness: A Case Study, in Marco Corazza & Claudio Pizzi, ed., 'Mathematical and Statistical Methods for Actuarial Sciences and Finance', Springer International Publishing, pp. 195-204.

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