
CURRICULUM VITAE OF PAOLO COLETTI

EDUCATION

Dottorato di Ricerca (Ph.D.) in Mathematics, specialization in Numerical Analysis, Applied Mathematics and Operative Research at Department of Mathematics of *University of Trento*.

Laurea (Master) in Mathematics at *University of Trento*. Thesis on numerical analysis applied to turbulence models in hydraulics.

Language high school degree at *Liceo Linguistico Rainerum* in Bolzano, Italy.

LANGUAGES

Italian Mother tongue

English Cambridge academic IELTS test band 8 (European Framework level C1-C2)

German Bilingual certificate from Province of Bolzano level A (European Framework level C1)

French Discrete

PROFESSIONAL EXPERIENCE

2011-
now **Researcher** in Information Processing Systems (ING-INF/05, 09/H1) at the Faculty of Economics and Management at *Free University of Bolzano*.

I am in charge of designing, building and maintaining the database of Italian stock market, with financial, market and balance data on quoted stocks and on its API development. Moreover, I performed network analyses on stock prices and volumes. A second step is to build a data management and analysis framework for stock market time series data that supports various forms of historical analyses and is composed of four core parts: data ingestion, pre-processing, analysis and prediction. The research focus is on pre-processing, in particular on missing value imputation and outlier detection, as well as analysis that transforms raw data into valuable knowledge.

2006-
2010 **Researcher** at *Advanced Financial System Research* in Loughton UK.

1998-
2004 **Researcher** at Interactive Sensorial Systems and Automatic Reasoning Systems divisions of *Scientific and Technological Research Center* in Trento (now *Fondazione Bruno Kessler*), involved in the following projects:

- Speech Interface for a Network Scanner, co-financed by Hewlett Packard.
- Negotiating Through Spoken Language in E-Commerce, co-financed by European Fifth Framework Programme and American National Science Foundation.

- Virtual Intelligent Codriver, co-financed by European Sixth Framework Programme.
- Automated composition of distributed business processes.

TEACHING EXPERIENCE

Computer Science and Information Processing (ING-INF/05, 09/H1) at the Faculty of Economics and Management at *Free University of Bolzano*.

Advanced Computer Skills (ING-INF/05, 09/H1) at the Faculty of Economics and Management at *Free University of Bolzano*.

Advanced Data Analysis (ING-INF/05, 09/H1) at the Master degree in Entrepreneurship and Innovation at Faculty of Economics and Management at *Free University of Bolzano*.

Information Systems and Data Management (ING-INF/05, 09/H1) at the Faculty of Economics and Management at *Free University of Bolzano*.

Introduction to Information Science (ING-INF/05, 09/H1) at the Faculty of Science and Technology at *Free University of Bolzano*.

Information Processing Systems (ING-INF/05, 09/H1) at the Master degree course in Nursing Management Coordination at *University of Rome Tor Vergata*, remote site by the *Province College for Health-Care Professions Claudiana* in Bolzano.

Advanced statistics (SECS-S/02, 13/D1) at the PhD program in Management of Mountain Environment at the Faculty of Science and Technology at *Free University of Bolzano*.

Statistics (SECS-S/02, 13/D1) at the Faculty of Science and Technology at *Free University of Bolzano*.

Statistics B (SECS-S/01, 13/D1) at the Faculty of Economics and Management at *Free University of Bolzano*.

Statistics for Experimental and Technological Research (SECS-S/02, 13/D1) at the master degree course in Nursing Management Coordination at *University of Rome Tor Vergata*, remote site by the *Province College for Health-Care Professions Claudiana* in Bolzano.

PUBLICATIONS

JOURNAL ARTICLES

Thomas Aichner, Paolo Coletti, Patrick Lombardo; **Il futuro del mobile marketing in Italia: uno studio con il metodo Delphi**, under review in *Micro & Macro Marketing*; October 2018.

Thomas Aichner, Robert Wilken, Paolo Coletti; **Can a Product-Harm Crisis Compromise “Made in...” Effects?**, under review in *Marketing Letters*; September 2018.

Paolo Coletti, Maurizio Murgia; **The network of the Italian stock market during the 2008–2011 financial crises**; *Algorithmic Finance*; 5 (3-4); 111–137; 13 April 2017; DOI: 10.3233/AF-160177

Paolo Coletti; **Comparing minimum spanning trees of the Italian stock market using returns and volumes**; *Physica A: Statistical Mechanics and its Applications*; 463; 246-261; December 2016; DOI: 10.1016/j.physa.2016.07.029

Thomas Aichner, Paolo Coletti, Cipriano Forza, Urban Perkman, Alessio Trentin; **Effects of subcultural differences on country and product evaluations: a replication study**, *Journal of Global Marketing*; 29(3); 115-127; July 2016; DOI: 10.1080/08911762.2015.1138012

Paolo Coletti, Maurizio Murgia; **Design and Construction of a Historical Financial Database of the Italian Stock Market 1973-2011**; *ACM Journal of Data and Information Quality*; 6(4); October 2015. DOI: 10.1145/2822898

Thomas Aichner, Urban Perkman, Paolo Coletti; **Warum sich Kunden an Mass Customization beteiligen**; *transfer, Werbeforschung & Praxis*; 3/15; September 2015.

Thomas Aichner, Paolo Coletti; **Customers' Online Shopping Preferences in Mass Customisation**, *Journal of Direct, Data and Digital Marketing Practice*; vol. 15; September 2013.

Juan Gabriel Brida, Paolo Coletti; **Tourist's Intention of Returning to a Visited Destination: Cruise Ship Passengers in Cartagena De Indias, Colombia**; *Tourism in Marine Environments*; vol.8; n. 3; December 2012.

Paolo Coletti; **Analytical and Numerical Analysis of k-ε and Large Eddy Simulation Turbulence Models**; Ph.D. Thesis; *Dipartimento di Matematica; Università di Trento*; February 1998. DOI: 10.13140/RG.2.2.27333.86248

Paolo Coletti; **A Global Existence Theorem for Large Eddy Simulation Turbulence Model**; *Mathematical Methods and Models in Applied Science*; vol. 7; n. 5; pp. 579-591; May 1997.

BOOKS

Maria Carla Joris, Paolo Coletti; **Gestione di progetti e del rischio clinico**; *Il Pensiero scientifico*; October 2012; ISBN 978-88-490-0422-9

Paolo Coletti, Thomas Aichner; **Mass Customization; An Exploration of European Characteristics**; *Springer*; May 2011; ISBN 978-3-642-18389-8.

Marco Costantino, Paolo Coletti; **Information Extraction in Finance**; *Witpress*; 2008; ISBN 978-1-84564-146-7.

Alessio Brutti et al.; **Use of Multiple Speech Recognition Units in an In-car Assistance System; DSP for Vehicle and Mobile Systems**; pp. 97-111; *Springer*; 2005; ISBN 978-0-387-22979-9.

Augusto Palombini et al.; **Cervelli in fuga**; Avverbi Edizioni; Rome (Italy); June 2001; ISBN 978-8-88732-827-1.

Paolo Coletti; **Existence for any Reynolds number for Large Eddy Simulation Turbulence Model**; *Dipartimento di Matematica; Università di Trento*; February 1998.

CONFERENCES

Alessio Brutti et al.; **Progetto VICO: sviluppo di un prototipo per interazione vocale in automobile**; *Primo convegno Associazione Italiana Scienze della Voce*; Padova (Italy); December 2004.

Alessio Brutti et al.; **On the development of an in-car speech interaction system at Irst**; *Special Workshop In Maui*; Hawaii (USA); January 2004.

Paolo Coletti et al.; **A speech driven in-car assistance system**; *Proceedings of the Intelligent Vehicles Symposium [IV 2003]*; pp. 622-626; Columbus (Ohio; USA); June 2003.

Paolo Coletti, Luca Cristoforetti, Marco Matassoni, Maurizio Omologo, Piergiorgio Svaizer; **Developing a speech interaction system for the car**; *Proceedings of the 8th International Conference on Human Aspects of Advanced Manufacturing: Agility & Hybrid Automation*; pp. 521-525; Rome (Italy); May 2003.

Susanne Burger et al.; **The NESPOLE! Voice over IP Dialogue Database**; *Proceedings of EUROSPEECH; 7th European Conference on Speech Communication and Technology*; Aalborg (Denmark); September 2001.

Alon Lavie et al.; **Architecture and Design Considerations in NESPOLE!: a Speech Translation System for E-commerce Applications**; *Proceedings of EUROSPEECH; 7th European Conference on Speech Communication and Technology*; Aalborg (Denmark); September 2001.

Marcello Federico, Dimitri Giordani, Paolo Coletti; Development and Evaluation of an Italian Broadcast News Corpus; *Proceedings of the Second International Conference on Language Resources and Evaluation*; pp. 921-924; Athens (Greece); June 2000.

Paolo Coletti, Marcello Federico; A two-stage speech recognition method for information retrieval applications; *Proceedings of EUROSPEECH; 6th European Conference on Speech Communication and Technology*; pp. 459-462; Budapest (Hungary); September 1999.

TEACHING MATERIALS

Paolo Coletti; **Cryptocurrencies and Blockchain Technology video course**; 4 hours; in English with short version in Italian and German *Free University of Bolzano Bozen*; Bolzano (Italy); June 2013.

Paolo Coletti; **Statistics with R video course**; 4.7 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); September 2015.

Paolo Coletti; **Data analysis course book**; University course handout; *Free University of Bolzano Bozen*; Bolzano (Italy); September 2015.

Paolo Coletti; **Databases course book**; University course handout; *Free University of Bolzano Bozen*; Bolzano (Italy); February 2014.

Paolo Coletti; **Basic Computer course book**; University course handout; *Free University of Bolzano Bozen*; Bolzano (Italy); February 2014.

Paolo Coletti; **Infographics course book**; University course handout; *Free University of Bolzano Bozen*; Bolzano (Italy); February 2014.

Paolo Coletti; **Excel and financial functions video course**; 7 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); August 2013.

Paolo Coletti; **Using MySQL with HeidiSQL client video course**; 4.2 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); June 2013.

Paolo Coletti; **R statistical package video course**; 4.8 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); June 2013.

Paolo Coletti; **Access video course**; 2.2 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); April 2012.

Paolo Coletti; **SPSS video course**; 6 hours; *Free University of Bolzano Bozen*; Bolzano (Italy); November 2011.

Paolo Coletti; **Algorithms course book**; University course handout; *Free University of Bolzano Bozen*; Bolzano (Italy); March 2008.

Bolzano, November 27, 2018