Rosario Lombardo

PhD, MBA

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in linkedin.com/in/rosariolombardo   🔷 List of Publications

Summary

Rosario has over 20 years of experience in large international projects as a consultant and scientist, focusing on innovation and digital transformation in the banking and life sciences sectors. He holds an MBA, has hands-on experience managing tech startups, and has successfully led entrepreneurial ventures in hospitality and real estate.

In 2002, he contributed to developing a blockchain solution for the Italian Domain Registration Authority, ".it". Through his work on SEPA and ISO 20022 payments, in 2008 he played a key role in creating a transnational eBanking platform, introducing SEPA payments to European customers for the first time. His efforts were part of a program to reshape the financial and technological infrastructure of a multinational bank across several EU countries.

In academia, Rosario contributed as an executive board member and stream leader to developing a pan-European R&D infrastructure involving 51 stakeholders across 9 countries. His approach combines systems thinking, data science, visual modeling, and machine learning. He has served as a reviewer for European funding agencies, authored numerous peer-reviewed scientific papers, and taught networking and analytics courses at the Universities of Pisa and Trento. He has also mentored students and professionals across various fields.

Experience

Adjunct Professor of Financial Market Models

University of Verona – Department of Economics

Jan 2024 – Present

In-depth analysis of Modern Portfolio Theory (MPT), focusing on portfolio selection, performance analysis, risk assessment, and strategies for international diversification. The curriculum fully covers the Capital Asset Pricing Model (CAPM) family and extends to advanced topics, particularly relevant for equity managers, such as the Black-Litterman model, Monte Carlo simulations and Resampling techniques. Participants will also learn R to create professional financial reports of real stock market data.

Scientific and Technological Research Officer

University of Verona – Department of Economics

Aug 2023 - Present
Department of Excellence 2023-27.
Research areas: Economics of Health Care and Well-Being.

Owner & CEO

Fuoribolla House

Mar 2022 - Nov 2023 (1 year 9 months)
5/5-stars Superhost. Launched and profitably ran a couple of professional hospitality businesses including marketing, accounting, budgeting, administration and guest interaction of an early 19th century home & of a city center flat. Developed my very own hospitality business CRM, electronic invoicing, accounting and management system. Trained my ex-wife in essentials business skills and handed over the business to her as an additional family income stream. Some real estate as a hobby (39.9% IRR).

Transformational Sabbatical

Self-employed

Oct 2021 - Sep 2023 (2 years)
Cool staff, like the structure of reality, the meaning of life and of being human, universal consciousness, emotional exploration and growth, with applications to everyday life.

Head of Bioinformatics - Centre for Computational and Systems Biology (COSBI)

The Microsoft Research – University of Trento

Dec 2016 - Oct 2021 (4 years 11 months)
Business Development, Leadership Team, Product Manager, Staff Scientist. Supervision of several cross-functional scientific consulting projects in the pharma and nutrition space. Product management delivering innovative technologies in areas of Data Science, Text Mining, Deep Learning, Visual Modelling in Systems Pharmacology and High-Performance Computing for Drug Discovery. Strong ability to identify customer's insights and needs. As Executive Board member and Work Package Leader in the large, multidisciplinary project ENPADASI, involving 51 organizations in 9 EU countries, led the creation of a FAIR-data open-access pan-European Research Infrastructure for nutritional studies, ranging from mechanistic/interventions to observational/epidemiological studies including a multitude of phenotypic outcomes. Mentor and training to several PhD/MSc/BSc students. Optimization of internal processes.

Research Scientist

The Microsoft Research – University of Trento

Sep 2013 - Dec 2016 (3 years 4 months)
Team leader; development of novel analytical methods for multi-omics "big data", to infer systems biology structures and parameters starting from genomics, proteomics, metabolomics in partnership with leading R&D departments of pharma and nutrition multinationals.

Senior Managing Consultant - e-Time Tech Consulting

BancoBPM

2015 - 2016 (1 year)
Expert governance to boost the planning and delivery of corporate e-Banking SEPA payments and SDD collections.
Partner: BancoPopolare (now BancoBPM), Verona.

Adjunct Professor

Università di Trento

2014
Course "Data analysis and exploration" providing the students with the tools and understanding of data analytics and visualization focusing on Health and Business data.

Senior Managing Consultant - Be, Management Consulting

UniCredit

2010 - Aug 2013 (3 years)
Project Leader, led an accelerator international Large Corporate eBanking merger project to out-pace the ongoing program delivery in 5 strategic EU countries (PL, HU, RO, CZ, SK) linked to IT, AT and DE (15+ team). Unprecedented, on-schedule, highest quality program management results, navigating across the post-2009-crisis uncertainties.
Partner: Unicredit, Verona, Milan, Vienna.
Partner: HypoVereinsbank, Munich.

Research Fellow
University of Verona – Dept. of Psychiatry

2012 - 2013 (1 year)

Inference of biomarkers and biomolecular regulatory networks/pathways associated with psychiatric complex diseases. Using clinical, candidate SNP and genome-wide variant data (gwas) collected at the Dept. of Psychiatry of the Verona Hospital, supported physicians in their medicine practice.

Lead Business Analyst Consultant - Senacor Technologies
UniCredit

2008 - 2010 (2 years)

Design, integration, and rollout of complex, post-merger trans-national payment systems in Italy, Germany and Austria. Product Lifecycle Management to remodel the business processes in a pan European multi-lateral change management program. Executive managing consultant interacting and aligning all management levels, internal & 3rd party stakeholders, negotiating, managing conflict, communicating information, and co-leading (30+ members) the program through agile software development. Demand Management, PMO. Test Process (QualityCenter, Jira) and User Acceptance Testing (UAT). SEPA, SWIFT, ISO20022, CBI, EBICS, Electronic Invoice Advance.
Partner: Unicredit, Verona, Milan, Vienna.
Partner: HypoVereinsbank, Munich.

Freelance Web Designer
Self-employed
2000 - 2008 (8 years)
Full-stack web-designer mastering a variety of technological platforms, with a constant focus on agile methodology, user-centric design and experience (UI/UX), customer experience (CX), and analytics.

Research Assistant
Institute of Information Science and Technologies, National Research Council (CNR)
2005 - 2007 (2 years)
Software Engineer in a Nation-wide E-Science merger of 71 research institutes into the National Council for Research in AgriFood (CRA). Design of the Virtual Organizational model and GRID infrastructure for managing the scientific workflows of plant-genetics bioinformatics pipelines involving public and ad-hoc services, by using the Business Process Language BPEL. Established the first Italian AccessGrid nodes for a highly immersive, telecollaboration environment among an unlimited number of participants.

Assistant Lecturer
Università di Pisa – Computer Science Dept.
2003
Course "Network programming in Java" with algorithms and applications using UDP and TCP as transport.

System architect and Team Leader Consultant
Istituto di Informatica e Telematica, National Research Council (CNR)
2000 - 2002 (2 years)
In 13 months promoted to consultant designing and delivering an (ante literam) Blockchain for the Domain Name Registration Authority powering all Italian domain name (".it") registrations. In 6 months promoted to team leader (10-member team), chief architect, and system and network administrator. Software Engineer and Architect delivering the new economy's dot-com assets and web services to Italian and Worldwide users.
Consulting Firm: Prima-e srl

Education

SP Jain School of Global Management - Dubai, Mumbai, Singapore & Sydney

Master of Business Administration - Global MBA, Management Consulting

2019 - 2020

- Dubai: Research report on Disruptive Technologies in Pharma and Nutrition industries - insights onfuture trends with Managerial Recommendations.
- Sydney: Strategy Consulting for the largest business of its kind in the Southern Hemisphere. Comprehensive Marketing Strategy to grow the profitability and Managerial Recommendations. I defined a beachhead digital marketing strategy and a change management intervention on corporate strategy. One out of twelve awarded at the Corporate Meeting event in Singapore.
- Singapore: Cross-functional consulting project in cloud computing, digital health, wearables, andsensors in healthcare with Market Assessment and Business Recommendations.

Vice-President, Academic Committee Member.

Global Rankings:
Forbes: Top 15 Best International 1-year MBAs (2019-21)
Times Higher Education – Wall Street Journal: World's Top-5 1 Year MBAs (2018-19)
Forbes: Top 20 Best International 1 Year MBAs (2013 – 19)
The Economist: Top 100 Fulltime MBAs worldwide (2015)

Università degli Studi di Verona

Doctor of Philosophy – PhD in Computer Science (Bioinformatics)

2009 - 2013

Thesis: "Unconventional Computations and Genome Representations". Research areas: Computational Genomics, Motif Discovery and Data Mining, Efficient Algorithms, Optimization Techniques, Big Data, Visualization techniques, Membrane Computing, Unconventional/Bioinspired computations, Genome Compression.

Università di Pisa

Master's degree, Computer Science, Magna cum laude

2004 - 2008

Thesis: Efficient Algorithms on DNA

Università di Pisa

Bachelor's degree, Computer Science, Magna cum laude

1998 - 2004

Linköping University

Bachelor's degree, Computer Science

2002 - 2003

Erasmus student exchange program with Sweden

Liceo Scientifico Sperimentale A. Meucci - Milazzo

High School Diploma, Physics, Maths and Computer Science, 60 out of 60

1993 - 1998

Licenses & Certifications

 Mac OS X Server Essentials v.10.4 - Apple
033-2309-A

Design Thinking with IDEO's Methodology - IDEO ExperienceInnovation | Learn
IDEO

The Blue Ocean Strategy - StratX Simulations

MEDIC First Aid - Misericordia di Pisa

Certified Associate: Statistical Thinking for Industrial Problem Solving - SAS
QRT35LB12NQ1QZ5N

Skills

Management • Business Strategy • Pharmaceutical Industry • Management Consulting •
Strategic Planning • Strategy • Digital Marketing • Business Development

Honors & Awards

- **Ph.D. scholarship with top ranked admission** - Italian Ministry of Instruction, University and Research

- **M.Sc. Graduation with Honors** - University of Pisa

- **Studentship and Full tuition support for all B.Sc. and M.Sc. academic years**
  University of Pisa

- **B.Sc. Graduation with Honors** - University of Pisa

- **Corporate Meeting Award 2020, Singapore** - SP Jain School of Global Management
  Jan 2020
  The award-winning strategy devised for a major Sydney CBD business, led to immediate and actionable results, becoming a trendy strategy recommendation in MBA projects

- **Amazing Race 2020, First Prize, Singapore** - SP Jain School of Global Management
  Jan 2020
  Leadership and teamwork were challenged to prove our team deserving the first prize!