Marco Bianchetti

Curriculum vitae et studiorum

E-mail: *marco(AT)bianchetti.org*
Web: *www.bianchetti.org*
Mobile: +39.328.2216420
Fax: +39.02.700438817

Short Profile

Experience, since 2000, in Market Risk Management and Front Office Financial Engineering areas of leading financial institutions. Strong commitment in strategic & innovation projects. Ph.D. in theoretical physics with 6+ years research experience, extensive teaching activity. Effective professional, able to take initiative and responsibility, propose and lead projects, deliver and report results, managing budget, junior/senior resources. Head of global fair valuation policies since Nov 2015. Adjunct Professor at Univ. of Bologna since Sept. 2015. See LinkedIn recommendations.

Job experiences

Nov. 2015 – present	***Intesa Sanpaolo, Financial and Market Risk Management – Head of Fair Value Policy:*** leading a small office (3 people in Milan, 1 in HK, 1 in NY) with formal responsibility of the global valuation policy of Intesa Sanpaolo Group.
Jan. 2012 Nov. 2015 Milan	***Intesa Sanpaolo, Market Risk Management, Derivatives Management – Quantitative Risk Manager, Head of Financial Modelling and Validation***: lead a transverse team of quants and risk managers in charge of new products and pricing models validation, development of market and counterparty risk (CCR/CVA) framework (IBM/Algorithmics platoform). Focus on interest rate modelling, XVAs, quasi Monte Carlo, fair/prudent valuation.
Jan. 2008 Dec. 2010 Milan	***Intesa Sanpaolo, Market Risk Management, Derivatives Management – Quantitative Risk Manager*****:** worked on pricing and risk management of portfolios of derivatives on all asset classes. Front office model validation and risk assessment, product innovation, definition of fair value policies. Model risk monitoring and calculation of fair value adjustments using Markit/Totem services data analysis and repricing of market instruments.
May 2002 Jan. 2007 Milan	***Caboto Bank*** *(merged* ***IMI Bank*** *Sep. 2007),* ***Front Office Financial Engineering area – Quant****:* designed/developed/delivered pricing models and trading platforms for inflation/interest rate derivatives to front office desks. Since 2002 in charge for inflation-linked derivatives proprietary model and trading system development.
Oct. 2000 May 2002 Milan	***Intesa Bank, Risk Management, Financial Engineering area – Quant:*** worked on models and trading platforms for plain vanilla, rendistato, bond coupon stripping, equity baskets derivatives.
Jul. 2000 Oct. 2000 Genoa	***INFM–National Institute for Matter Physics, Project Management, Technology Transfer & Outreach Area***: contributed to monitor & plan the Institute strategic activities, supported management for area organisation.
Nov. 1995 Jul. 2000 Milan	***Physics Department, University of Milan:*** Ph.D. research activity on many-body problems in nuclear and molecular physics. Short periods in Germany. Assistant lecturer at Polytechnic of Milan, University of Milan and Milan-Bicocca (2 M.Sc. + 2 B.Sc. courses, 300+ students).
Sep. 1995 Sep. 1996 Milan	**Consultant at SILAQ Italia S.r.l.** (safety, environment and quality services): run new local office of start-up company, customizing and marketing technical services, measuring customer satisfaction and developing new business opportunities.
1996 - 2006	***ADI–Italian Ph.D. Association****:* Co-promoter (1997), 1st president (1998-2000) member of board of directors. Improved working conditions of young researchers and promoted Ph.D. in Italy (*www.dottorato.it*).
Other positions	○ Sept. 2015-present: adjunct professor of Interest Rate Models at University of Bologna ○ 2014-present: co-coordinator of AIFIRM working groups. ○ 2011-present: member of the board of directors of Ph.D. and master courses in Quantitative finance. ○ Co-tutor of 7 M.Sc. students in physics and finance.

Project management

- **Finance:**
  - Since 2013, Prudent Valuation: working at the methodological framework, coordinator of AIFIRM working group with Prof. U. Cherubini (ca. 25 people).
  - 2013-2016, Funding Valuation Adjustment (FVA): working at the methodological framework
  - 2012-2015, CCR and CVA: working at the methodological framework.
  - 2010-2012, CSA-Discounting: set up of the methodological framework.
  - 2008-2010, Model Risk: working at the framework for model risk assessment/monitoring and fair value adjustment, analysis of Markit/Totem data.
  - 2002-2007, Inflation: ready for the very first deal in 2002, I followed the full innovation process, from market understanding, mathematical modelling, full software prototype (7000+ code lines + spreadsheets), RM validation and users training. Front Office reference person for group integration project, coordinating consultant resources and working closely with people from all areas of the Intesa Sanpaolo Group.
  - 2005-present, promoted and co-organised two academic courses at master level.
- **Non-profit:** ADI – Italian PhD Association: promotion of policies, funding, workshops and negotiations with highest university and government authorities. Editorial projects "*Cervelli in Gabbia*" and "*Cervelli in Fuga*". Coordination of research projects of Ph.D. quality assessment with major Universities and Government Committees (6 people, 60.000€ budget).

Technical skills

- **Finance (since 2000):**
  - Derivatives: pricing plain vanillas and some exotics, multiple yield curve construction, SABR, short rate and market models, inflation/seasonality, derivatives on algorithmic indices.
  - XVAs: Credit, Debit, Funding, Margin and Capital Value Adjustment.
  - Calibration: fitting model parameters to market data, optimization algorithms.
  - Monte Carlo and Quasi Monte Carlo numerical simulation methods, greeks.
  - QuantLib developer 2006-2007 (see QuantLib project website).
- **Computing** (since 1992): developed IT expertise as research and professional tool. Utilised large computing resources on different platforms for numerical simulations.
  - Software: "from scratch" design and development of large codes (15.000+ total lines).
  - Numerical analysis: integration, differentiation, diagonalization, minimization problems.
  - Languages: various knowledge of C/C++ (beginner), VBA, ELF, Matlab.
  - Architectures: used scalar (PC, workstation), parallel (CRAY) and distributed architectures.
  - Operative Systems: Windows, Unix and OpenVMS platforms.
  - Networking: intranet, internet and applications, web publishing and administration
  - Applications: various usage of Murex, Applix, RiskWatch, FO systems, MSVisualC++, SVN/CVS/SourceSafe, LaTeX, MSOffice, DreamWeaver, and other Unix and Windows applications.

Education and training

- **Ph.D.** degree in physics, University of Milan, Jan. 2000. 3 years fellowship after national public trial (15 positions vs. 160+ partecipants). Final defence in front of an international committee.
- **M. Sc.** degree ("laurea") in physics, 110/110 *cum laude,* Univ. of Milan, Jul. 1995.
- **Training**: various trainings and conferences on derivatives pricing, management of technology and computing (see complete list attached).

Publications & conferences (complete list attached)

- A few research papers in finance and physics, see SSRN.
- Frequent invited speaker at international conferences and training courses in finance.

Addendum

- English: good read, written and spoken; TOEFL score 610 (1995). Native Italian.
- 1994-1995: military service in the Italian Army (lance corporal, 12 months).
- 2006: COOPI course on international cooperation.
- Team working: daily interaction with management, traders, structurers, quants, IT, Financial & Product Control, Administration, Organisation.
- Personal characteristics: effective professional, able to take initiative and responsibility, propose and lead projects, plan, deliver and report. See LinkedIn recommendations.

I authorize my personal data processing for human resource research and selection and in compliance with privacy laws.

Milan, Sep. 2017

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