March 13th 2012 Viale Romania, 32 Roma

RISK DISCLOSURE AND INVESTMENT DECISIONS THROUGH PROBABILITY METHODS

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WORKSHOP

with the presentation of the book "A Quantitative Framework to Assess the Risk-Reward Profile of Non-Equity Products" by Marcello Minenna

ARCELLI CENTRE FOR MONETARY AND FINANCIAL STUDIES

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> Saverio Massi Benedetti Prof. Rita L. D'Ecclesia Prof. Giorgio Di Giorgio Marcello Minenna Alessandro Settepani Prospero Simonetti

Roberto Violi

16.45	Registration		
17.00	Opening Keynote address		
	Book presentation "A Quantitative Framewok to Assess the Risk-Reward Profile of Non-Equity Products"		
	Prof. Giorgio Di Giorgio		
17.30	Special addr Marcello Mi	ess nenna	
18.20	Technical contribution Prof. Rita L. D'Ecclesia		
18.40	Roundtable		
	Moderator: Panelists:	Prof. Rita L. D'Ecclesia Saverio Massi Benedetti Marcello Minenna Alessandro Settepani Prospero Simonetti Roberto Violi	
19.30	Q&A session		For further information Call +39 0685225980 Email casmef@luiss.it

Risk Disclosure and Investment Decisions through Probability Methods

THE LUISS Guido Carli

CENTRO ARCELLI PER GLI STUDI MONETARI E FINANZIARI (CASMEF)

Workshop, 13 marzo 2012



A Quantitative Framework to Assess the Risk-Reward Profile of Non-Equity Products





AUTHOR MARCELLO MINENNA

CONTRIBUTORS: GIOVANNA MARIA BOI, PAOLO VERZELLA, ANTONIO RUSSO, MARIO ROMEO AND DIEGO MONORCHIO

"This book fills the gap that exists between the risk management tools available to industry insiders, and those available to investors. It is a welcome contribution that will be helpful to anyone who needs to assess the risk of non-equity products."

Jaksa Cvitanic, Professor of Mathematical Finance, Caltech

"Rigor and clarity characterize this methodology to assess the risk of every non-equity product. Well established stochastic techniques are applied in an original way to convey the key information on the time horizon, the degree of risk, the costs and potential returns of the investment and therefore to match the investor's preferences in terms of liquidity attitude, risk taking, desired returns and acceptable losses."

Prof. Svetlozar Rachev, Department of Statistics and Applied Probability, University of California at Santa Barbara

"I warmly welcome the publication of this book which describes a probabilistic framework for risk evaluation. The specific aim is that of providing financial institutions and regulators with tools and techniques for an objective and clear representation of key investor information. This shall help in orientating buyers through the difficult path of non-equity products selection."

Prof. Francesco Corielli, Department of Finance, Bocconi University

"This book constitutes an excellent collection of quantitative methods to the measurement and representation of the risks of non-equity products that comes from a simple but also winning intuition: the information needs of retail investors are not really different from those of financial institutions since they both want the upside gain by trying to contain the downside risk."

Prof. Hélyette Geman, School of Business, Economics and Informatics, Birkbeck, University of London

"This important book establishes a benchmark for a future financial regulation based on quantitative techniques. At the same time it casts a serious challenge to the financial industry on the need of quantitative disclosure, that will be the future of the financial system worldwide. Hope the challenge will be accepted." **Prof. Umberto Cherubini, Department of Mathematical Economics, University of Bologna**

"This book contains a valid quantitative methodology to shed light on the risks embedded in any non-equity product. By answering the key questions of any investor about the potential performances, the risk rating and the optimal holding time of the product, the three "pillars" of the book are the best candidates to definitely remove the informative lack that worldwide regulators have recognized in the existing rules on risks disclosure. The adoption of these "pillars" would be the ideal completion of the regulatory reform undertaken by the European Authorities regarding the revision of the information contents for Packaged Retail Investment Products. Should the quantitative framework set forth in this work become the reference to update the regulatory framework on transparency, an authentic reversal of the traditional approaches to risks transparency would be realized with effective benefits for investors' comprehension and for allowing them to pick the product that best fits their needs."

Prof. Riccardo Cesari, Professor of Mathematical Methods for Economic and Financial Sciences, University of Bologna

"This innovative book sheds a light on the dark path of the financial risks intrinsic to non-equity financial products, which are often underestimated, or even poorly understood, by investors seeking higher returns. Mathematical finance techniques are here applied in an original and unconventional manner for the purpose of effectively disclosing these risks and properly assessing their impact on investments' returns."

Fabio Mercurio, Head of Quant Business Managers at Bloomberg LP and adjunct professor at NYU



A Quantitative Framework to Assess the Risk-Reward Profile of Non-Equity Products

BY MARCELLO MINENNA CONTRIBUTORS: GIOVANNA MARIA BOL PAOLO VERZELLA, ANTONIO RUSSO, MARIO ROMEO AND DIEGO MONORCH



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Syllabus

- Preliminaries: the three pillars
- The recommended Investment horizon
- Synthetic risk indicator
- Unbundling and Probabilistic performance scenarios
- An Application of the methodology

Preliminaries

Preliminaries

Non-equity Investment products should be classified according to their financial characteristics and not by "labels" assigned by the issuer or by the regulatory framework.



Preliminaries

Risk

The book offers an approach for the transparency of the risk profile of non-equity products that is based on synthetic indicators – defined through specific quantitative methods – in order to allow investors to take informed investment decisions.



Preliminaries

These metrics provide a guide to investors in the interpretation of complex information conveyed in the offering document, supporting the decision process by means of a sequential filtering procedure:







Syllabus

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Risk











The recommended Investment horizon



The recommended Investment horizon



The recommended Investment horizon







The recommended Investment horizon DETERMINATION OF THE INVESTMENT TIME HORIZON







































