5^{th} Actuarial and Financial Mathematics Day

jointly organised by UGent, UA, VUB, KULeuven and ULB

February 9, 2007

Auditorium Rubens
Paleis der Academiën
Hertogstraat 1, B-1000 Brussel

PROGRAMME

8u30 - 9u00 *Registration and Welcome*

9u00 - 9u45 **Invited speaker: Dr. Andreas Tsanakas,** Lloyds en City University, London, UK
Risk capital allocation: context, theory and applications

9u45 - 10u15 **Robert Verlaak**, Aon Belgium, Brussel en Katholieke Universiteit Leuven
Benchmark Rates for Excess of Loss Reinsurance Programs; A Generalised Mixed Non-Linear approach
Discussant: Katrien Antonio

10u15 - 10u45 **An Chen,** University of Bonn, Bonn, Germany
Hedging Mixed Life Insurance Products under Interest Rate and Mortality Risk
Discussant: Nele Vandaele

10u45 - 11u10 *Coffee break*

11u10 - 11u40 **Inge Koch**, Universiteit Antwerpen
An alternative measure for positive dependency useful in insurance and finance
Discussant: David Vyncke

11u40 - 12u10 **Fernando Mierzejewski**, Katholieke Universiteit Leuven
An Actuarial Approach for the Analysis of Short-Run Monetary Equilibrium
Discussant: Griselda Deelstra

12u10 - 14u10 *Lunch* (zaal Félicien Cattier, Universitaire Stichting, Egmontstraat 11)

14u10 - 14u55 **Invited speaker: Dr. Philippe Balland**, Merrill Lynch, London, UK
Hybrids

14u55 - 15u25 **Joseph Meaney**, University College Cork, Ireland
Dealing with the volatility smile of Himalaya Options
Discussant: Jasper Anderluh

15u25 - 15u55 **Michel Verschuere**, Electrabel Trading and Portfolio Management, Electrabel, Brussel
Hedging under incomplete information: applications to EU carbon emissions market
Discussant: Maarten Van Wieren

15u55 - 16u20 *Coffee break*

16u20 - 16u50 **Jacob Buitelaar**, Rabobank International and TU Delft, The Netherlands
Control variates for callable Libor exotics
Discussant: Henrik Jönsson

16u50 - 17u20 **Beata Stehlikova**, Comenius University, Bratislava, Slovakia
Averaged bond prices in the generalized Cox-Ingersoll-Ross model of interest rates
Discussant: Tetyana Kadankova

17u20 - 17u30 *Closing words*

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Met dank aan de Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten en aan de FWO W.O.G. Fundamentele Methoden en Technieken in de Wiskunde.