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# AFMathConf 2010

PROGRAMME

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# Programme

## Thursday 4 February 2010

08h30 - 08h55	Registration
08h55 - 09h00	Welcome by <b>Griselda Deelstra</b> Chair: Hansjoerg Albrecher
09h00 - 09h45	<b>Invited speaker: Eckhard Platen</b> , University of Technology, Sydney, Australia <i>Real world pricing of long term contracts</i>
09h45 - 10h30	<b>Invited speaker: Philippe Artzner</b> , Université de Strasbourg, France <i>Mathematics of market consistent valuation in supervisory insurance accounting</i>
10h30 - 11h00	Coffee break Chair: Michel Denuit
11h00 - 11h30	<b>Donatien Hainaut</b> , ESC Rennes, France <i>Pricing of a catastrophe bond, with a stochastic seasonal effect</i>
11h30 - 12h00	<b>Daniel Alai</b> , ETH Zurich, Switzerland <i>Prediction uncertainty in the Bornhuetter-Ferguson reserving method</i>
12h00 - 12h30	<b>Katrien Antonio</b> , University of Amsterdam, The Netherlands <i>A hierarchical model for micro-level stochastic loss reserving</i>
12h30 - 14h30	Sandwich lunch and <b>Poster session</b> (Chair: Ann De Schepper) Chair: Jan Dhaene
14h30 - 15h15	<b>Invited speaker: Ragnar Norberg</b> , London School of Economics, UK <i>Market consistent valuation in insurance</i>
15h15 - 16h00	<b>Invited speaker: Antoon Pelsser</b> , Maastricht University, The Netherlands <i>Market-Consistent and Time-Consistent Actuarial Valuations</i>
16h00 - 17h30	<b>Panel discussion on "Market consistent valuation in insurance"</b> <ul style="list-style-type: none"><li>• <u>Moderator</u>: Steven Vanduffel, Vrije Universiteit Brussel</li><li>• <u>Participants</u>: Philippe Artzner, Université de Strasbourg Ragnar Norberg, London School of Economics Antoon Pelsser, Maastricht University Eckhard Platen, University of Technology, Sydney Guy Roelandt, CEO of Dexia Insurance Services</li></ul>
19h30 - 23h00	Conference Dinner at Radisson SAS Royal Hotel

## Programme - Poster session

### Thursday 4 February 2010

### Friday 5 February 2010

Chair: Ann De Schepper

- **Romain Biard**, Université Lyon 1, France  
*Asymptotic behavior of the finite-time expected time-integrated negative part of some risk processes and optimal reserve allocation*
- **Christoph Becker**, Frankfurt School of Finance Management, Germany  
*State-dependent dependencies: Continuous-time dynamics for correlations*
- **Anna Castañer i Garriga**, Universitat de Barcelona, Spain  
*Threshold proportional reinsurance: an alternative strategy to reduce the initial investment in a non-life insurance portfolio*
- **Kathrin Glau**, University Freiburg, Germany  
*Hedging interest rate derivatives in a Lévy driven term structure model*
- **Claudio Macci**, Tor Vergata University of Rome, Italy  
*Large deviation results for Wave Governed Random Motions driven by a semi-Markov process*
- **Gregory Rayee**, Université Libre de Bruxelles, Belgium  
*Local Volatility Pricing for Long-dated FX Derivatives*
- **Johannes Ruf**, Columbia University, USA  
*Optimal trading strategies under arbitrage*
- **Sule Sahin**, Heriot-Watt University, Scotland  
*The Term Structure of Interest Rates and Implied Inflation*
- **Joanna Wang**, Cass Business School, City University, UK  
*Market-valuation of non-life insurance under common shocks*

## Friday 5 February 2010

08h30 - 09h00

Registration

Chair: Noël Veraverbeke

09h00 - 09h45

**Invited speaker: Hansjoerg Albrecher**, Université de Lausanne, Switzerland  
*Solvency concepts in collective risk theory*

09h45 - 10h15

**Robert Salzmann**, ETH Zurich, Switzerland  
*Cost-of-capital margin for a general insurance runoff under Solvency II*

10h15 - 10h45

Coffee break and Poster session

Chair: Rob Kaas

10h45 - 11h30

**Invited speaker: Maria de Lourdes Centeno**, Technical University of Lisbon, Portugal  
*Optimal reinsurance for variance related premium calculation principles versus piecewise linear treaties*

11h30 - 12h00

**Marc Henrard**, Dexia Bank, Belgium  
*CMS spreads and similar options in multifactor HJM models*

12h00 - 14h00

Lunch at University Foundation

Chair: Ernst Eberlein

14h00 - 14h45

**Invited speaker: Dilip Madan**, University of Maryland, USA  
*Inferring Bank Reserve Requirements from their Equity Option Surfaces*

14h45 - 15h15

**Antonis Papapantoleon**, QP Lab and TU Berlin, Germany  
*The class of affine LIBOR models*

15h15 - 15h45

Coffee break and Poster session

Chair: Wim Schoutens

15h45 - 16h30

**Invited speaker: Monique Jeanblanc**, Université d'Evry Val d'Essonne, France  
*Valuation and Hedging of Credit Default Swaptions*

16h30 - 17h00

**Mateusz Maj**, Vrije Universiteit Brussel, Belgium  
*Structured products: a pig in a poke?*

17h00 - 17h15

Closing by **Michèle Vanmaele**