
AFMathConf 2013

PROGRAMME

Thursday 07 February 2013

| | |
|---------------|---|
| 08h30 - 08h50 | Registration and welcome coffee |
| 08h50 - 09h00 | Welcome |
| | Chair: Ernst Eberlein |
| 09h00 - 09h45 | Invited speaker: Fred Espen Benth , University of Oslo, Norway <i>Pricing and hedging average-based options in energy markets</i> |
| 09h45 - 10h15 | Contributed talk: Asma Khedher, Technische Universität München, Germany <i>Approximation of backward stochastic differential equations with jumps and applications to finance</i> |
| 10h15 - 10h45 | Coffee break |
| | Chair: Wim Schoutens |
| 10h45 - 11h30 | Invited speaker: Klaus Reiner Schenk-Hoppé , University of Leeds, UK <i>Costs and Benefits of Speculation: On the equilibrium effects of financial regulation</i> |
| 11h30 - 12h00 | Contributed talk: Bertrand Tavin, Université Paris 1 – Panthéon Sorbonne, France <i>Detection of arbitrage in a market with multi-asset derivatives and known riskneutral marginals</i> |
| | Chair: Ann De Schepper |
| 12h00 - 12h30 | Poster storm session |
| 12h30 - 14h00 | Sandwich lunch combined with Poster session |
| | Chair: Michel Vellekoop |
| 14h00 - 14h45 | Invited speaker: Martino Grasselli , Università degli Studi di Padova, Italy <i>Smiles all around: FX joint calibration with and without risk neutral measure</i> |
| 14h45 - 15h15 | Contributed talk: Catherine Daveloose, Ghent University, Belgium <i>Computation of conditional expectations with application to pricing of financial products in Lévy and jump-diffusion setting</i> |
| 15h15 - 15h45 | Coffee break |
| | Chair: David Vyncke |
| 15h45 - 16h30 | Invited speaker: Emmanuel Gobet , Ecole Polytechnique, France <i>Almost sure optimal hedging strategy</i> |
| 16h30 - 17h15 | Invited speaker: Dilip Madan , Robert H. Smith School of Business, University of Maryland, USA <i>A theory of risk for two price market equilibria</i> |
| 19h30 - 22h00 | Conference Dinner at University Foundation |

Programme - Poster session

Thursday 07 February 2013 and Friday 08 February 2013

- **Akhlaque Ahmad**, National Institute of Securities Markets, India
Factors Affecting the Smile Effect and Implied Volatility in the context of the Option Pricing Models
- **Antonis Alexandridis**, University of Kent, UK
Non-linear non-parametric temperature modeling in the context of weather derivatives pricing
- **George Babajan**, Université Catholique de Louvain, Belgium
Stochastic modeling of gas and electricity derivatives
- **Kris Boudt**, KU Leuven, Belgium
Regime Switches in Volatility and Correlation of Financial Institutions
- **Sarah Dendievel**, Université Libre de Bruxelles, Belgium
Lookback Options Modeled as Markovian Fluid Queues
- **Matthias Fahrenwaldt**, Competence Center for Risk and Insurance, Germany
Sensitivity of life insurance reserves via Markov semigroups
- **Maria Govorun**, Université Libre de Bruxelles, Belgium
Stochastic mortality in modeling cohorts: hedging with longevity bonds
- **Christian Hilpert**, The Bonn Graduate School of Economics, Germany
Mergers and Acquisitions – Collar Contracts
- **Christian Irrgeher**, Johannes Kepler University of Linz, Austria
Fast orthogonal transforms for multilevel quasi-Monte Carlo simulation in computational finance
- **Petar Jevtic**, University of Torino, Italy
Mortality Surface by Means of Continuous Time Cohort Models
- **Luca Regis**, University of Torino, Italy
Demographic risk transfer: is it worth for annuity providers?
- **Miguel Seixas**, Technical University of Lisbon, Portugal
Some simple and classical approximations to ruin probabilities applied to the perturbed model
- **Sally Shen**, Maastricht University, The Netherlands
Robust Hedging in Incomplete Markets
- **Michaela Szölgényi**, Johannes Kepler University of Linz, Austria
Dividend Maximization and Finite Time Ruin Probabilities in a Bayesian Setup
- **Vincent Touzé**, Sciences Po, France
Pension Rules and Implicit Marginal Tax Rate in France
- **Tadashi Uratani**, Hosei University, Japan
A simple model of Japanese public pension and the risk management
- **Matija Vidmar**, University of Warwick, UK
Markov chain approximations for transition densities of Lévy processes

Friday 8 February 2013

| | |
|---------------|--|
| 08h30 - 09h00 | Registration and welcome coffee Chair: Noel Veraverbeke |
| 09h00 - 09h45 | Invited speaker: Antoon Pelsser , Maastricht University, Kleynen Consultants, The Netherlands <i>Convergence results for Replicating Portfolios</i> |
| 09h45 - 10h15 | Contributed talk: Cody Hyndman, Concordia University, Canada <i>Pricing and Hedging GMWB Riders in a Binomial Framework</i> |
| 10h15 - 10h45 | Coffee break Chair: Ragnar Norberg |
| 10h45 - 11h30 | Invited speaker: Claudia Czado , Technische Universität München, Germany <i>Vine copulas and their applications to financial data</i> |
| 11h30 - 12h00 | Contributed talk: Jiajia Cui, University of Amsterdam, the Netherlands <i>From Intergenerational risk sharing to intergenerational risk trading</i> |
| 12h00 - 13h30 | Sandwich lunch combined with Poster session Chair: Steven Vanduffel |
| 13h30 - 14h15 | Invited speaker: Antje Mahayni , Universität Duisburg-Essen, Germany <i>Evaluation of optimized proportional portfolio insurance strategies</i> |
| 14h15 - 14h45 | Contributed talk: Vali Asimit, City University, United Kingdom <i>Optimal Risk Transfer: Capital Efficiency versus Policyholder Welfare</i> |
| 14h45 - 15h15 | Coffee break Chair: Hansjoerg Albrecher |
| 15h15 - 16h00 | Invited speaker: Uwe Schmock , Vienna University of Technology, Austria <i>Approximation and Aggregation of Risks by Variants of Panjer's Recursion</i> |
| 16h00 - 16h30 | Contributed talk: Jasmin Berdel, Karlsruhe Institute of Technology, Germany <i>Multiple Band Strategies for Optimal Dividend Payouts in the Cramér- Lundberg-Model with Phase-Type Claims</i> |
| 16h30 - 16h45 | Closing |