DAY 1: Tuesday 23 June 2015

17:00-19:30	**Welcome Drink and Registration in the foyer of the Central Teaching Hub**

DAY 2: Wednesday 24 June 2015

08:30-09:00	**Registration in the foyer of the Central Teaching Hub**
09:00-09:30	**Welcome remarks**
09:30-10:30	**Plenary talk: Soren Asmussen** **Chairman: Hansjoerg Albrecher**
10:30-11:00	**Coffee break in the Central Teaching Hub**
11:00-12:40	**Presentations 1**

Risk Theory 1

HALL: CTL-A CHAIR: Gord Willmot

11:00-11:25	Finite-time ruin probability for Markovian skip-free risk processes	Michael Chek Hin Choi, Pierre Patie
11:25-11:50	On a Generalization of the Expected Discounted Penalty Function to Include Deficits at and Beyond Ruin	Zied Ben Salah
11:50-12:15	The Robust Computation and the Sensitivity Analysis of Finite-Time Ruin Probabilities and the Estimation of Risk-Based Regulatory Capital	Mark S. Joshi, Dan Zhu
12:15-12:50	On the analysis of time dependent claims in a class of birth process claim count models	David Landriault, Gordon E. Willmot, Di Xu

Risk Measures 1

HALL: CTL-B CHAIR: Roger Laeven

11:00-11:25	Maxentropic approach to decompound aggregate risk losses	Erika Gomes-Goncalves, Henryk Gzyl, Silvia Mayoral
11:25-11:50	Risk Measures with the CxLS property	Freddy Delbaen, Fabio Bellini, Valeria Bignozzi, Johanna Ziegel
11:50-12:15	Risk Measures in a Quantile Regression Credibility Framework with Fama/French Research Portfolios and Three Risk Factors	Georgios Pitselis

12:15-12:50	Hedging Against Insolvency of Insurance Companies	Yunzhou Chen, Hirbod Assa

Bonus Malus

HALL: CTL-C CHAIR: Greg Taylor

11:00-11:25	Optimal Bonus-Malus Systems Using Generalized Additive Models for Location, Scale and Shape	George Tzougas, Spyridon Vrontos, Nicholas Frangos
11:25-11:50	Ruin Probabilities with Dependence on the Number of Claims within Fixed Window Time	Weihong Ni, Corina Constantinescu, Zbigniew Palmowski, Suhang Dai
11:50-12:15	Bonus malus systems and finite and continuous time ruin probabilities in motor insurance	LB Afonso, R Cardoso, Alfredo Egdio dos Reis, GR Guerreiro
12:15-12:50	Optimization of transition rules of bonus-malus system with respect to global elasticity	Marcin Topolewski, Michał Bernardelli

EVT

HALL: CTL-D CHAIR: Hailiang Yang

11:00-11:25	On the Worst and Least Possible Asymptotic Dependence	Alexandru Asimit, Russell Gerrard
11:25-11:50	Paths and indices of maximal tail dependence	Edward Furman, Jianxi Su, Ricardas Zitikis
11:50-12:15	Approximation of Heavy-tailed distributions via infinite dimensional phase-type distributions	Leonardo Rojas-Nandayapa
12:15-12:50	Losses Given Default in the Presence of Extreme Risks	Qihe Tang

Risk Models

HALL: MATH – 027 CHAIR: Esther Frostig

11:00-11:25	Model Risk Cultures	Andreas Tsanakas, M Bruce Beck, Michael Thompson
11:25-11:50	Discrete-time risk models, with exchangeable Archimedean copulas	Hélène Cossette, Etienne Marceau, Itre Mtalai, Déry Veilleux
11:50-12:15	A new Pareto distribution on integers with applications to modeling discrete insurance risk processes	Tomasz Kozubowski, Corina Constantinescu
12:15-12:50	Risk Measurement Based on Available Information	Yiqing Chen

Pensions 1

HALL: MATH – 029 CHAIR: Ermanno Pitacco

11:00-11:25	Designing guarantee options in defined contribution pension plans	Andrea Consiglio, Michele Tumminelloy, Stavros Zeniosz
11:25-11:50	Optimal retirement financial planning for retirees with time-inconsistent preferences	Anran Chen, Steven Haberman
11:50-12:15	Optimal strategies for Pay-as-you-go pension finance: A sustainability framework	Humberto Godinez-Olivares, Maria del Carmen Boado-Penas, Steven Haberman

12:15-12:50	Guarantee valuation in Notional Defined Contribution pension systems	Jennifer Alonso Garcia, Pierre Devolder

Optimal Consumption

HALL: MATH – 106 CHAIR: Philip Yam

11:00-11:25	Scenario-based Valuation in Participating Life Insurance and Unit-link Insurance	Ninna Reitzel Jensen, Kristian Juul Schomacker
11:25-11:50	Optimal Consumption-Life Insurance Rules in Incomplete Market	Chang-Chih Chen, Chia-Chien Chang
11:50-12:15	Optimal Disability Insurance with Moral Hazards: Absenteeism, Presenteeism, and Shirking	Colin M. Ramsay, Victor I. Oguledo
12:15-12:50	How Switching to Alternative Guarantees can help –	Jochen Wieland

12:40-14:00 Lunch in the Guild of Students

14:00-15:40 Presentations 2

Risk Theory 2

HALL: CTL-A CHAIR: Andreas Kyprianou

14:00-14:25	On the joint analysis of the discounted total payments to policyholders and shareholders	Eric C.K. Cheung, Haibo Liu, Jae-Kyung Woo
14:25-14:50	An integral equation approach for the dual risk model with risky investment	Sooie-Hoe Loke
14:50-15:15	On the analysis of discounted aggregate claim costs until ruin in two-sided jump model	Haibo Liu, Eric C.K. Cheung
15:15-15:40	Number of jumps in two-sided first-exit problems for a compound Poisson process	Shuanming Li , Yi Lu, Can Jin

Risk Measures 2

HALL: CTL-B CHAIR: Pauline Barrieu

14:00-14:25	Reduction of Value-at-Risk bounds via independence and variance information	Giovanni Puccetti, Ludger Rüschendorfy, Daniel Smallz, Steven Vanduffel
14:25-14:50	Market sub-consistent valuation	Hirbod Assa
14:50-15:15	Coherent risk measures and innite expectation risks	Alejandro Balbas, Ivan Blanco, Jose Garrido
15:15-15:40	A simple isochore model evidencing regulation risk	Jacques Lévy Véhel

Financial Products 1

HALL: CTL-C CHAIR: Tak Kuen Siu

14:00-14:25	Pricing Asian options in a general tree model with varying skewness and kurtosis	Gianluca Fusai, Ioannis Kyriakou

14:25-14:50	Best-Estimate Yield Curves in Incomplete Bond Markets	Anne MacKay, Mario V. Wüthrich
14:50-15:15	Derivative Pricing on a Threshold Mean-reverting Model with an Averaging Variable	Hoi Ying Wong, Fangyuan Dong
15:15-15:40	The pricing of catastrophe bonds using the CAPM	Fei Su, Jan Wenzelburger

Optimal Strategy

HALL: CTL-D CHAIR: Kostas Kardaras

14:00-14:25	The Optimal Insurance under Disappointment Theories	K. C. Cheung, W.F. Alfred Chong, S. C. P. Yam
14:25-14:50	Deterministic Income under a Stochastic Interest Rate	Julia Eisenberg
14:50-15:15	Evaluating variable annuities with embedded GMWB riders in the presence of withdrawals driven by non-financial factors	Massimo Costabile, Ivar Massabo, Emilio Russo
15:15-15:40	Prospect Theory and the Demand for Cliquet-Style Guarantees	Jochen Ruß, Stefan Schelling

Dividend 1

HALL: MATH-027 CHAIR: Nora Muler

14:00-14:25	A study of dividends and optimal barriers for a dual risk model	Agnieszka Bergel, Alfredo Egídio dos Reis, Eugenio Rodríguez Martínez
14:25-14:50	On the interface between optimal periodic and continuous dividend strategies in the presence of transaction costs	Benjamin Avanzi, Vincent Tu, Bernard Wong
14:50-15:15	Optimal Dividend payment under time of ruin constraint	Camilo Hernandez, Mauricio Junca
15:15-15:40	Optimal dividend problem under transaction cost for a two-dimensional insurance risk process	Pablo Azcue, Nora Muler, Zbigniew Palmowski

Pension 2

HALL: MATH-029 CHAIR: Steve Haberman

14:00-14:25	How the crisis may affect retirement decisions in UK	Jing Xu, Carmen Boado-Penas, David Toscano Pardo, Juan Nave
14:25-14:50	Optimal assets allocation and benefit outgo policies of the dc pension plan to maintain the purchasing power	Lin He, Zongxia Liang
14:50-15:15	Pension risk management with funding and buyout options	Samuel H. Cox, Yijia Lin, Tianxiang Shi
15:15-15:40	On Integrated Chance Constraints in ALM for Pension Funds	Francois Dufresne, Youssouf Toukourou

Optimal Selection

HALL: MATH-106 CHAIR: Thanasi Pantelous

14:00-14:25	Non-Zero-Sum Stackelberg Game in Large Population	Alain Bensoussan, Man Ho Chau, Phillip Yam

14:25-14:50	Ambiguity on the Insurer's Side: The Demand for Insurance	Massimiliano Amarante, Mario Ghossoub, Edmund Phelps
14:50-15:15	Dynamic Safety First Expected Utility Model	Mei Choi Chiu, Hoi Ying Wong, Jing Zhao
15:15-15:40	Adverse Selection, Loss Coverage and Equilibrium Premium in Insurance Markets	MingJie Hao, Pradip Tapadar, Guy Thomas

15:40-16:10 Coffee break in the Central Teaching Hub

16:10-17:50 Presentations 3

Risk Theory 3

HALL: CTL-A CHAIR: Runhuan Feng

16:10-16:35	Infinite-time Absolute Ruin in Dependent Renewal Risk Model with Constant Force of Interest	Jiajun Liu, Yang Yang
16:35-17:00	Occupation times of refracted Levy processes with jumps having rational Laplace transform	Lan Wu, Jiang Zhou
17:00-17:25	A multivariate discounted renewal sums with time-dependent claims in the presence of reporting/payment delays	Jae-Kyung Woo
17:25-17:50	Expansions of renewal functions and applications to ruin probabilities	Clement Dombry, Landy Rabehasaina

Risk Measures 3

HALL: CTL-B CHAIR: Fabio Bellini

16:10-16:35	Risks aggregation in multivariate dependent Pareto distributions	Jose Maria Sarabia, Emilio Gomez-Deniz, Faustino Prieto, Vanesa Jorda
16:35-17:00	Integrating profit sharing in insurance supervision	Karl-Theodor Eisele, Ph. Artzner, E. Knobloch
17:00-17:25	VaR and CVaR with Uncertainty and Concave Distortion	Fei Lung Yuen, Ka Chun Chung
17:25-17:50	On the Esscher-Girsanov Transform	Marc J. Goovaerts, Roger J. A. Laeven

Financial Products 2

HALL: CTL-C CHAIR: Anne MacKay

16:10-16:35	Credit risk in corporate spreads during the financial crisis of 2008: A regime-switching approach	Jean-François Bégin, Mathieu Boudreault, Geneviève Gauthier
16:35-17:00	Simplied Hedge for Path-dependent Derivatives	Carole Bernard, Junsen Tang
17:00-17:25	Volatility in options formulae for general stochastic dynamics	Kais Hamza

17:25-17:50	Tail mutual exclusivity and Tail-VaR lower bounds	Ka Chun Cheung, Michel Denuit, Jan Dhaene

Portfolio Optimization

HALL: CTL-D CHAIR: Eric Cheung

16:10-16:35	Combined Estimation-Optimization (CEO) Approach for High Dimensional Portfolio Selection	Hoi Ying Wong, Chi Seng Pun
16:35-17:00	Utility Risk Portfolio Selection	Kwok Chuen Wong
17:00-17:25	Portfolio insurance strategies for target annuitisation funds	Mengyi Xu, Michael Sherris, Adam Wenqiang Shao
17:25-17:50	General approach to the optimal portfolio selection	Zinoviy Landsman, Udi Makov, Tomer Shushi

Dividends 2

HALL: MATH-027 CHAIR: Pablo Azcue

16:10-16:35	Optimal Dividends in the Dual Model under Fixed Transaction Costs	Erhan Bayraktar, Andreas E. Kyprianou, Kazutoshi Yamazaki
16:35-17:00	Optimal dividend problem for two companies with a collaboration agreement	Hansjoerg Albrecher, Pablo Azcue, Nora Muler
17:00-17:25	Dividend optimization in a regime-switching general diffusion model with capital injections	Jinxia Zhu, Hailiang Yang
17:25-17:50	Regularities of Viscosity Solution for Impulse Control Problems	Olivier Menoukeu Pamen, Suhang Dai

Longevity

HALL: MATH-029 CHAIR: Elena Vigna

16:10-16:35	Re-thinking the Life Tables for Assured Lives in Kenya	Carolyn Ndigwako Njenga
16:35-17:00	Basis risk in static versus dynamic longevity-risk hedging	Clemente De Rosa, Elisa Luciano, Luca Regis
17:00-17:25	Nonzero Sum Stochastic Differential Games of the Longevity Security Market with Cointegration	Kai Yin Kwok, Mei Choi Chiu, Hoi Ying Wong
17:25-17:50	Longevity assets and pre-retirement consumption/portfolio decisions	Francesco Menoncin, Luca Regis

18:30-21:30 Bus tour of Liverpool & Bowling

DAY 3: Thursday 25 June 2015

09:30-10:30 **Plenary talk: Montserrat Guillen**
Chairman: Marc Goovaerts

10:30-11:00 **Coffee break in the Central Teaching Hub**

11:00-12:40 **Presentations 4**

Risk Theory 4

HALL: CTL-A CHAIR: Jostein Paulsen

11:00-11:25	Optimality in mortgage design under uncertain lifetime	Mogens Steffensen, Maj-Britt Nordfang
11:25-11:50	Predicting the Time of Ultimate Deficit of an Insurance Risk Process	Manuel Morales, Helene Guerin, Hassan Omidi
11:50-12:15	On the time and number of claims until ruin in a two-barrier risk model perturbed by diffusion	Michael V. Boutsikas
12:15-12:50	Asymptotic results for a Markov-modulated risk process with Investment	Lewis Ramsden, Apostolos Papaioannou

Risk Measures 4

HALL: CTL-B CHAIR: Zbigniew Palmowski

11:00-11:25	On a class of dynamic spectral risk-measures and distortion operators	Dilip B. Madan, Martijn R. Pistorius, Mitja Stadje
11:25-11:50	A comparative study of two-population mortality models for the assessment of basis risk in longevity hedges	Andrés M. Villegas, Steven Haberman, Vladimir Kaishev, Pietro Millossovich
11:50-12:15	Sequential Monte Carlo Samplers for capital allocation under copula-dependent risk models	Rodrigo S. Targino, Gareth W. Peters, Pavel V. Shevchenko
12:15-12:50	Comonotonic Approximations of Risk Measures for Variable Annuity Guaranteed Benefits with Dynamic Policyholder Behavior	Runhuan Feng, Xiaochen Jing, Jan Dhaene

Financial Products 3

HALL: CTL-C CHAIR: Kais Hamza

11:00-11:25	A Self-Exciting Threshold Jump-Diffusion Model for Option Valuation	Tak Kuen Siu
11:25-11:50	Continuous-time perpetuities and time reversal of diffusions	Kostas Kardaras
11:50-12:15	Valuing commodity options and futures options with changing economic conditions	Kun Fan, Yang Shen, Tak Kuen Siu, Rongming Wang
12:15-12:50	Pricing and Hedging GLWB in the Heston and Black-Scholes with stochastic interest rates models	Ludovic Goudenège, Andrea Molent, Xiao Wei, Antonino Zanette

Statistical Models 1

HALL: CTL-D CHAIR: Thomas Kozubowski

11:00-11:25	Prediction Intervals with ARIMA Processes	Andrew D Smith, Stuart Jarvis
11:25-11:50	Inside the Solvency 2 Black Box: Net Asset Values and Solvency Capital Requirements with a Least-Squares Monte-Carlo Approach	Anthony Floryszczak, Olivier Le Courtois, Mohamed Majri
11:50-12:15	Efficient Simulation for Choice and Market Share of Ranked Policy Providers	Akshay Kumar Singh
12:15-12:50	Robust LMI stability, stabilization and H_∞ control for premium pricing models in a Markovian regime switching discrete-time framework	Lin Yang, Athanasios A. Pantelous, Hirbod Assa, Jukka Rantala

Reinsurance 1

HALL: MATH-027 CHAIR: Vladimir Kaishev

11:00-11:25	On the Optimal Reinsurance Problem	Alejandro Balbás, Beatriz Balbás, Raquel Balbás, Antonio Heras
11:25-11:50	Optimal reinsurance under multiple attribute decision making	Basak Bulut Karageyik, David C. M. Dickson
11:50-12:15	Optimal reinsurance minimizing the absolute value of the difference between the profit of the insurer and the profit of the reinsurer	Murat Büyükyazici, Betül Zehra Karagül
12:15-12:50	Optimal reinsurance under one insurer and multiple reinsurers	Tim Boonen, Ken Seng Tan, Shengchao Zhuang

Mortality 1

HALL: MATH-029 CHAIR: Daniel Alai

11:00-11:25	Testing differences between projected mortality indicators	Ana Debón, Steven Haberman, Francisco Montes, Edoardo Otranto

11:25-11:50	International Cause-Specific Mortality Rates: New Insights from a Cointegration Analysis	Séverine Arnold (-Gaille), Michael Sherris
11:50-12:15	StMoMo: An R Package for Stochastic Mortality Modelling	Andrés Villegas, Vladimir Kaishev, Pietro Millossovich
12:15-12:50	Optimal portfolio allocation with health contingent income products: The value of life care annuities	Shang Wu, Hazel Bateman, Ralph Stevens, Susan Thorp

Catastrophe Risk

HALL: MATH-106 CHAIR: Etienne Marceau

11:00-11:25	Risk Diversification Effect in the Portfolio of Index Based Weather Insurances	ChangSoo Lee, HyangHwa Choi
11:25-11:50	Risk of flooding for ungauged basins: a general mathematical framework	Jorge Ramirez, Corina Constantinescu
11:50-12:15	Heterogeneous Demands for Flood Insurance against Climate Change Risk through Private Public Participation Mode: A Community-Based Survey in Tainan City	Ya-Pin Lyu, Ching-Cheng Chang, Shu-Ling Chen, Yu-Lieh Huang
12:15-12:50	Aggregation of catastrophe losses with multi-tiered financial terms	Rafal Wojcik, Huang Xiangyang, Lvelin Zvezdov

12:40-14:00 Lunch in the Guild of Students

14:00-15:40 Presentations 5

Risk Theory 5

HALL: CTL-A CHAIR: Ronnie Loeffen

14:00-14:25	Some two-dimensional controlled ruin problems	Peter Grandits
14:25-14:50	Two-dimensional ruin probability for subexponential claim size	Zbigniew Palmowski, Serban Badila, Serguei Foss, Tomasz Rolski
14:50-15:15	Risk-Measure-Preserving Compression of Monte Carlo Simulation Results with Insurance Applications	Philipp Arbenz, William Guevara
15:15-15:40	On the relation between the order of claims arrival and the ruin probability in a nonhomogeneous risk process	Raluca Vernic

Risk Measures 5

HALL: CTL-B CHAIR: Karl-Theodor Eisele

14:00-14:25	Transformations of Copulas and Measures of Concordance	Sebastian Fuchs
14:25-14:50	Quantification of Inflation Risk on the Annuities	Ugur Karabey, Sule Sahin
14:50-15:15	The exponential moment tail of inhomogeneous renewal process	Emilija Bernackaitė

15:15-15:40	Micro-level insurance claim count modelling: a Cox process approach	Benjamin Avanzi, Bernard Wong, Xinda Yang

Financial Products 4

HALL: CTL-C CHAIR: Oliver Le Courtois

14:00-14:25	An extension of Itô's formula for finite variation Lévy processes and its applications in option pricing	Ramin Okhrati, Uwe Schmock
14:25-14:50	Dynamic hedging of longevity risk: the effect of trading frequency	Hong Li
14:50-15:15	Pricing Zero-coupon Bond and CDS under a Structural Credit Risk Model with Regime Switching	Guanqing Wang, Guojing Wang, Hailiang Yang, Jun Zhou
15:15-15:40	Quantitative Analysis of the Basis Risk of Index-linked CAT Risk Securities	Zhongyi Yuan

Statistical Models 2

HALL: CTL-D CHAIR: Anna Panorska

14:00-14:25	Existence and uniqueness of chain ladder solutions	Greg Taylor
14:25-14:50	Application of Metamodeling in Variable Annuity Portfolio Valuation	Guojun Gan
14:50-15:15	Time Series Data Mining Techniques for the Identification and Measurement of Insurance Cycles	Iqbal Owadally, Jessica Lin, Rasaq Otunba, Feng Zhou, Douglas Wright
15:15-15:40	On the impact of deductibles in non-life insurance estimation	Jostein Paulsen

Reinsurance 2

HALL: MATH-029 CHAIR: Alejandro Balbás

14:00-14:25	Optimal Non-life Reinsurance under Solvency II Regime	Alexandru V. Asimit, Yichun Chi, Junlei Hu
14:25-14:50	Optimal proportional reinsurance for a risk model with thinning dependence	Kam Chuen Yuen, Zhibin Liang
14:50-15:15	Benchmark Rates for Excess of Loss Reinsurance Programs	Robert Verlaak, Jan Beirlant
15:15-15:40	Julia programming language in some classical risk models	Haoyu Qian, Corina Constantinescu

Mortality 2

HALL: MATH-027 CHAIR: Petar Jevtic

14:00-14:25	Comparisons of hedge performances for insurance portfolios using matching strategies of size-free and size-independent mortality durations and convexities	Cary Chi-Liang Tsai, Xinying Liang
14:25-14:50	Modelling retirement outcomes	Colin O'Hare, Thomas Sneddon, Zili Zho
14:50-15:15	A unisex stochastic mortality model to comply with EU Gender Directive	An Chen, Elena Vigna

15:15-15:40	Bayesian portfolio specific mortality	Frank van Berkum, Katrien Antonio, Michel Vellekoop

Dependence

HALL: MATH-106 CHAIR: Jose-Maria Sarabia

14:00-14:25	Between first and second-order stochastic dominance	Alfred Müller, Marco Scarsini, Ilia Tsetlin, Robert Winkler
14:25-14:50	Dependence Model for Frequencies and Claims in the Compound Risk	Woojoo Lee, Jae Youn Ahn
14:50-15:15	On Hoeffding's Covariance Lemma: Its Functional Generalizations and Applications	Ambrose Lo
15:15-15:40	Stochastic Interpolation: An Application to Economic Models	Sule Sahin, A. David Wilkie

15:40-16:10 Coffee break in the Central Teaching Hub

16:10-17:50 Presentations 6

Risk Theory 6

HALL: CTL-A CHAIR: Manuel Morales

16:10-16:35	Ruin probability in the dual model with two revenue streams	Esther Frostig
16:35-17:00	Analysis of a drawdown-based regime-switching Levy insurance model	David Landriault, Bin Li, Shu Li
17:00-17:25	Asymptotic Ruin Probabilities for a Bidimensional Renewal Risk Model with Constant Interest Rate and Dependent Claims	Jinzhu Li
17:25-17:50	Fractional Compound Poisson Risk Models	Wei Zhu, Corina Constantinescu

Risk Measures 6

HALL: CTL-B CHAIR: Catherine Donnelly

16:10-16:35	Optimal time to enter a retirement village	Jinhui Zhang, Sachi Purcal, Jiaqin Wei
16:35-17:00	An Extreme-Value Theory Calibration Scheme in Reinsurance and Insurance-Linked Securities	Roman Muraviev
17:00-17:25	Polynomial approximations for multivariate aggregate claims amount probability distributions	P.O. Goffard, S. Loisel, D. Pommeret
17:25-17:50	The possibility of a Longevity Index in the European Union under Solvency II guidelines	Amaia Jone Betzuen Álvarez, Amancio Betzuen Zalbidegoitia

RARE

HALL: CTL-C CHAIR: Qihe Tang

16:10-16:35	A stochastic model for the sum and the maximum of N dependent, heavy-tail Pareto components	Marek Arendarczyk, Tomasz J. Kozubowski, Anna K. Panorska
16:35-17:00	General random walk in a random environment defined on Galton-Watson trees	Andrea Collevecchio
17:00-17:25	Nonstandard regular variation of in-degree and out-degree in the preferential attachment model	Gennady Samorondnitsky
17:25-17:50	On Ultimate and Finite Horizon Ruin in Cramer – Lundberg model with Pareto Severity	Shubhabrata Das

Statistical Models 3

HALL: CTL-D CHAIR: Raluca Vernic

16:10-16:35	On estimation of insurance risk parameters by combining local regression and distribution fitting ideas	Meelis Käärik, Raul Kangro, Liina Muru
16:35-17:00	Regime Switch Models on Inflation Modelling	Meng Wang, Hirbod Assa
17:00-17:25	q-Credibility	Olivier Le Courtois
17:25-17:50	The Power Log-Lindley distribution, with applications to lifetime data modeling	Silvia Dedu, Vasile Preda

Risk Management 1

HALL: MATH-027 CHAIR: Pierre Patie

16:10-16:35	Ruin Probabilities of a Discrete-time Multi-risk Model	Agneska Korvel
16:35-17:00	Market valuation of financial, actuarial and combined risks	Ben Stassen, Jan Dhaene, Michel Vellekoop
17:00-17:25	Towards Resilience to Nuclear Accidents: Financing Nuclear Liabilities via Catastrophe Risk Bonds	Bilal Ayyub, Athanasios Pantelous, Jia Shao
17:25-17:50	Modelling Lifetime Dependence for Older Ages using a Multivariate Pareto Distribution	Daniel Alai, Zinoviy Landsman, Michael Sherris

Mortality 3

HALL: MATH-029 CHAIR: Severine Arnold

16:10-16:35	Mortality Forecast: Global Or Local?	Han Li, Colin O'Hare
16:35-17:00	Cause-of-Death Mortality: What Can Be Learned From Population Dynamics?	Séverine Arnold (-Gaille), Alexandre Boumezoued, Nicole El Karoui, Héloïse Labit Hardy
17:00-17:25	Projecting mortality rates by a Markov chain	Jaap Spreeuw, Iqbal Owadally
17:25-17:50	Modelling Mortality: the Effect of Small Population Size on Parameter Estimation	Liang Chen

Gerber-Shiu Functions

HALL: MATH-106 CHAIR: Elias Shiu

16:10-16:35	Gerber-Shiu dynamic risk measures for solvency evaluation	Yasutaka Shimizu, Shuji Tanaka
16:35-17:00	Fourier-cosine method for Gerber-Shiu functions	K.W. Chau, Philip Yam, H. Yang
17:00-17:25	A Truncated Type of Gerber-Shiu Function in the Classical Risk Model with Surplus-Dependent Premium	Ran Xu, Jae-Kyung Woo, Eric C.K. Cheung
17:25-17:50	Analysis of the Generalized Gerber-Shiu Function in Discrete-time Dependent Sparre Andersen Risk Model	Xiaozhen Qi, Jae-Kyung Woo

18:30-22:30 Gala dinner at the Anglican Cathedral

23:00-02:00 The Cavern

DAY 4: Friday 26 June 2015

09:30-11:10 Presentations 7

Risk Theory 7

HALL: CTL-A CHAIR: Julia Eisenberg

09:30-09:55	On a capital management problem for a central branch with subsidiaries	Florin Avram, Martijn Pistorius
09:55-10:20	Some distributional properties of the deficit at the time of ruin	Georgios Psarrakos
10:20-10:45	On the density of the time to ruin in dependent Sparre Andersen models with Coxian claims	Wing Yan Lee
10:45-11:10	Multivariate Stop loss Mixed Erlang Reinsurance risk: Aggregation, Capital allocation and Default risk	Gildas Ratovomirija

Pricing

HALL: CTL-B CHAIR: Ed Furman

09:30-09:55	Assessing Health Risk with Soft Computing	Marie-Claire Koissi, Arnold F. Shapiro
09:55-10:20	Ruin and deficit at ruin under an extended order statistics risk process	Vladimir K. Kaishev
10:20-10:45	Nash Equilibrium Pricing of General Insurance in a Competitive Non-Cooperative Market	Renchao Wu, Athanasios A. Pantelous
10:45-11:10	Competitive equilibria in markets with expected utility and dual utility	Tim Boonen

Survival Models

HALL: CTL-C CHAIR: Gennady Samorodnitsky

09:30-09:55	Have Life Insurers Done Right in The Process of Dynamic Optimized ALM? The Participating Life Policy Case	Yujia He, Ze Chen, Bingzheng Chen
09:55-10:20	In-sample forecasting with local linear survival densities - A continuous chain ladder approach	M. Hiabu , E. Mammen, M. D. Martínez Miranda, J. P. Nielsen
10:20-10:45	Fuzzy Logic versus Uncertainty Theory – What are the issues?	Arnold F. Shapiro
10:45-11:10	Large Duration Asymptotics in Bivariate Survival Models with Unobserved Heterogeneity	Yang Lu

Life Insurance

HALL: CTL-D CHAIR: Pierto Millossovich

09:30-09:55	Valuation of Guaranteed Minimum Maturity Benefits in variable annuities with surrender options	Jonathan Ziveyi, Michael Sherris, Yang Shen
09:55-10:20	Optimal Asset-Liability Management of Issuers of Variable Annuities with Guarantees	Olivier Le Courtois, Krzysztof Ostaszewski, Li Shen
10:20-10:45	Managing sustainability of a defined contribution pension system perturbed by a demographic wave	Massimo Angrisani, Cinzia Di Palo
10:45-11:10	Pricing and Hedging Inflation-linked Annuities Considering Inflation, Interest rate Risk and Longevity Risk	Sharon S. Yang, Fen-Ying Chen, Hong-Chih Huang

Risk Management 2

HALL: MATH-027 CHAIR: Andreas Tsanakas

09:30-09:55	Return Risk Measurement: Orlicz-Type Measures of Risk	Fabio Bellini, Roger J. A. Laeven, Emanuela Rosazza Gianin
09:55-10:20	How to Invest and Draw-Down Accumulated Wealth in Retirement? A Utility-Based Analysis	Servaas van Bilsen
10:20-10:45	Time Varying Copula Model for claims reserving in Nonlife insurance	Sawssen Araichi, Christian de Perettia, Lotfi Belkacem

Mortality 4

HALL: MATH-029 CHAIR: Luca Regis

09:30-09:55	Risk Sharing via Mortality Indexed Annuities with Biometric Guarantees	Jakob Klein
09:55-10:20	A continuous-time model for the mortality surface of multiple populations	Petar Jevtic, Luca Regis
10:20-10:45	Bayesian Poisson log-bilinear models for mortality projections with multiple populations	Katrien Antonio, Anastasios Bardoutsos, Wilbert Ouburg
10:45-11:10	The Application of Affine Processes in Multi-Cohort Mortality Model	Yajing Xu, Michael Sherris, Jonathan Ziveyi

Reserving

HALL: MATH-106 CHAIR: Hirbod Assa

09:30-09:55	On some extensions to classical chain ladder method	Liivika Tee, Meelis Käärik
09:55-10:20	Calendar Effect and Continuous Chain Ladder	Maria Dolores Martinez-Miranda, Jens Perch Nielsen, Michael Vogt
10:20-10:45	Micro-level stochastic loss reserving models for time-discrete data	Robin Van Oirbeek, Katrien Antonio, Els Godecharle
10:45-11:10	Egalitarian Equivalent Capital Allocation	Shinichi Kamiya, George Zanjani

11:10-11:40 **Coffee break in the Central Teaching Hub**

11:40-12:40 **Plenary talk: Stéphane Loisel**
Chairman: Rob Kaas

12:40-13:00 **Concluding remarks and invitation to IME2016**

13:00-14:00 **Lunch in the Guild of Students**