

# Detailed Program – IME 2017 Congress

Monday, July 3, 2017, morning

Room 1 (lecture hall 1, „Freihaus“ building, 1st floor, red area)

08:00	Registration
09:00	Welcome Address
09:10	<b>Plenary Talk</b>
	<i>Chair: Stéphane Loisel</i>
	<b>Corina Constantinescu-Loeffen</b> Ruin probabilities in insurance risk models
10:10	Coffee Break (1st and 2nd floor, red area)

	Room 1 (1st/2nd floor)	Room 2 (2nd floor)	Room 3 (2nd floor)	Room 4 (2nd floor)	Room 5 (2nd floor)	Room 6 (2nd floor)	Room 7 (2nd floor)	Room 8 (2nd floor)
Mon	Annuities I	Dependence I	Risk Measures I	Statistics I	Reserving	Optimal Strategies I	Risk Models I	Catastrophe Risk I
<i>Chairs</i>	<i>Thorsten Rheinländer</i>	<i>Jose Maria Sarabia</i>	<i>Alfred Müller</i>	<i>Alan Ker</i>	<i>Georgios Pitselis</i>	<i>Peter Grandits</i>	<i>Anatoliy Swishchuk</i>	<i>David A. Carozza</i>
10:40	Patrick <b>Cheridito</b> Variable annuities with high water mark withdrawal benefit	Maria de Lourdes <b>Centeno</b> Diagonal inflated models and ratemaking of dependent risks	Ruodu <b>Wang</b> Scenario-based risk evaluation and compatibility of scenarios	Lluís <b>Bermúdez</b> A bivariate regression model for panel count data	Dongzi <b>Tian</b> Analysis of the calendar year effect in claims reserving: From ultimate to one-year perspectives	David <b>Saunders</b> Optimal Investment Strategies for Participating Contracts using the Martingale Method	Dibu Sasidharan <b>Athanikal</b> On the Gerber-Shiu function of a MAP risk model with possible delayed Phase type by-claims	Qihe <b>Tang</b> CAT Bond Pricing under a Product Probability Measure with EVT Risk Characterization
11:05	Agnieszka <b>Marciniuk</b> Marriage reverse annuity contract and dread disease incurrance as a one product	Bertrand <b>Tavin</b> Measuring exposure to dependence risk with random Bernstein copula scenarios	Yunran <b>Wei</b> Characterization, Robustness and Aggregation of Signed Choquet Integrals	Jose <b>Garrido</b> Hybrid Hidden Markov Models and GLMs for Auto Insurance Premiums	Jonas <b>Crevecoeur</b> Modeling reporting delay dynamics for claims reserving	Iqbal <b>Owadally</b> Optimal Investment for Retirement with Deferred Annuities	Ghislain <b>Leveille</b> Compound trend renewal and Cox processes with discounted claims	Min-Teh <b>Yu</b> Prediction Markets for Catastrophe Risk: Evidence of Catastrophe Bond Markets
11:30	Gabriele <b>Stabile</b> On the free boundary of an annuity purchase	Jeffrey <b>Tsai</b> Measuring Underwriting Risk on Multivariate Loss Distributions for U.S. Property-Casualty Insurance Industry	Emanuela <b>Rosazza Gianin</b> Time-consistency of risk measures: how strong is such a property?	Edward W. <b>Frees</b> Joint Modeling of Customer Loyalty and Risk in Personal Insurance	Lin <b>Yang</b> Robust Hoo control for Premium-Reserve models in a stochastic nonlinear discrete-time varying framework	Łukasz <b>Delong</b> Optimal investment for insurance company with exponential utility and wealth-dependent risk aversion coefficient	Florin <b>Avram</b> A review of the scale functions method for spectrally negative Levy processes	Rafal <b>Wojcik</b> Probabilistic aggregation of correlated catastrophe losses: A predictability study.
11:55	Colin <b>Ramsay</b> The Annuity Puzzle and an Outline of Its Solution	Ryota <b>Saito</b> Information criteria for bivariate compound Poisson risk models with dependent claims	Yue <b>Xing</b> Importance Sampling based Simulation for Non-linear Portfolios' Risk Measures	Raluca <b>Vernic</b> Multivariate count data generalized linear models: two approaches based on Sarmanov's distribution	Guangyuan <b>Gao</b> Claims reserving using claims amounts and payments counts: a Bayesian compound Poisson model approach	Mustafa Asim <b>Ozalp</b> Optimal Investment and Insurance Policy for an Insurer with Random Size Jump-Diffusion Risk Process	-	Yang-Che <b>Wu</b> Feasibility of Equity-Efficiency Trade-off in the Natural Catastrophe Insurance Market
12:20	Lunch Break in „Mensa“, 1st floor, yellow area							

# Monday, July 3, 2017, afternoon

	Room 1 (1st/2nd floor)	Room 2 (2nd floor)	Room 3 (2nd floor)	Room 4 (2nd floor)	Room 5 (2nd floor)	Room 6 (2nd floor)	Room 7 (2nd floor)	Room 8 (2nd floor)
<b>Mon</b>	<b>Life: Risk Measures and Predictive Models</b>	<b>Dependence II</b>	<b>Risk Measures II</b>	<b>Statistics II</b>	<b>Credibility</b>	<b>Optimal Strategies II</b>	<b>Risk Models II</b>	<b>Catastrophe Risk II</b>
<i>Chairs</i>	<i>Patrick Cheridito</i>	<i>Bertrand Tavin</i>	<i>Thorsten Rheinländer</i>	<i>Jose Garrido</i>	<i>Hirbod Assa</i>	<i>Pablo Azcue</i>	<i>Dimitrios G. Konstantinides</i>	<i>Qihe Tang</i>
13:30	Massimo <b>Costabile</b> Computing Risk Measures of Life Insurance Policies through Lattice-Based Models	Sharon <b>Yang</b> Systematic Risk of Housing Price and Its Impact on Valuation and Risk Analysis for a Portfolio of Home Equity Conversion Mortgages	Fabio <b>Bellini</b> An expectile-based measure of implied volatility	Alan <b>Ker</b> Borrowing Information across Space and Time from Possibly Similar Data Generating Processes: Implications for Rating Crop Insurance Contracts	Michal <b>Pesta</b> Granular loss modeling with copulae	Kristina <b>Sendova</b> How about the relative security loading?	Anatoliy <b>Swishchuk</b> Risk Model Based on Compound Hawkes Process	Yuan <b>Yue</b> Earthquake risk premia in property prices: Evidence from five Japanese cities
13:55	Frank <b>Schiller</b> Predictive model for mental illness in disability insurance in Germany	Sara Ali <b>Alokley</b> Clustering of Extremes in Financial Returns: A Comparison Between Developed and Emerging Markets	Alfred <b>Müller</b> On consistency of expectiles and the Omega ratio with stochastic dominance rules	Endar H. <b>Nugrahani</b> Assessment on Financial Performance of Indonesian Insurance Companies	Georgios <b>Pitselis</b> Quantile regression techniques with a working correlation model for credibility premium estimation	Julie <b>Thøgersen</b> Optimal premium as function of the deductible: Customer analysis and portfolio characteristics.	Lourdes Belchior <b>Afonso</b> Heuristic approach to evaluate the fire risk sub-module in Solvency II	Kevin John <b>Fergusson</b> Application of the Double Pareto Lognormal Distribution to Rainfall Events
14:20		A. Sevtap <b>Kestel</b> An Internal Model for an Emerging Market under Copula Approach: Turkish MPTL Case	Cosimo <b>Munari</b> Comonotonic risk measures in a world without risk-free assets	Hwei-Lin <b>Chuang</b> The Impact of Financial Crisis on Skilled/Unskilled Wage Gap: Evidence from the Insurance Workers in Taiwan	Christian <b>Furrer</b> Credibility for Markov chains	Maissa <b>Tamraz</b> Some mathematical aspects of price optimisation	Tatiana D. <b>Margulies</b> Actuarial Implications of Peer-To-Peer (P2P) Insurance	Wing Yan <b>Lee</b> Systemic Weather Risk and Agricultural Insurance Pricing
14:45	Hamza <b>Hanbali</b> Systematic Risk in Long Term Life Insurance Business: The need for appropriate indexing mechanisms	Jose Maria <b>Sarabia</b> Aggregation of Dependent Risks in Mixtures of Exponential Distributions and Extensions	Marcel <b>Bräutigam</b> Predicting Risk with Risk Measures: An Empirical Study	George <b>Tzougas</b> Confidence Intervals of the Premiums of Optimal Bonus-Malus Systems	-	Hong-Chih <b>Huang</b> Optimal Allocations of Natural Hedging Strategies for Insurance Companies	Eleni <b>Vatamidou</b> Approximations for Gerber-Shiu type functions with two-sided jumps	David A. <b>Carozza</b> Spatial and temporal diversification of climate-driven flood and hurricane risk for re/insurers
15:10	Coffee Break (1st and 2nd floor, red area)							

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<b>Mon</b>	<b>Unit Linked Contracts</b>	<b>Dependence III</b>	<b>Risk Measures III</b>	<b>Statistics III</b>	<b>Mortality</b>	<b>Optimal Strategies III</b>	<b>Risk Models III</b>	<b>Reinsurance I</b>
<i>Chairs</i>	<i>Uwe Schmock</i>	<i>Klaus D. Schmidt</i>	<i>Fabio Bellini</i>	<i>Raluca Vernic</i>	<i>Petar Jevtic</i>	<i>Corina Constantinescu</i>	<i>Florin Avram</i>	<i>Rüdiger Frey</i>
15:40	Katia <b>Colaneri</b> Indifference price of unit linked life insurance contracts under partial information	Lukas Josef <b>Hahn</b> Multi-year non-life insurance risk for dependent loss portfolios	Melina <b>Mailhot</b> Robust Multivariate Risk Measure	Meelis <b>Käärik</b> Estimation of claim frequency with the emphasis on model comparison principles	Mathias <b>Lindholm</b> On connections between some classical mortality laws and proportional frailty	Mogens <b>Steffensen</b> Approximations to expected utility optimization in continuous time	Jacques <b>Resing</b> Some two-dimensional risk models with correlated net input rates	Arian <b>Cani</b> On randomized reinsurance contracts
16:05	Claudia <b>Ceci</b> Unit-linked life insurance policies: optimal hedging in partially observable market models	Etienne <b>Marceau</b> Aggregation and Risk Measurement of Exchangeable Risks, assuming Dependence Uncertainty	Zinoviy <b>Landsman</b> Multivariate Tail-based Measures for Systemic Risk	Anastasia <b>Novokreshchenova</b> Estimation of the price of risk in the Heston model	Séverine <b>Arnold</b> Forecasting Mortality: Why Is It Also Risky To Use Generational Life Tables?	Elena <b>Vigna</b> Tail optimality and preferences consistency for intertemporal optimization problems	Yiyang <b>Zhang</b> Ordering the Largest Claim Amounts and Ranges from Two Sets of Heterogeneous Portfolios	Haiyan <b>Liu</b> Pareto-optimal reinsurance arrangements under general model settings
16:30	Ana <b>Zalokar</b> Optimal switching among hedging strategies in equity-linked products	Jaap <b>Spreeuw</b> Fitting Archimedean copula models based on distance between generators	Miguel A. <b>Sordo</b> Stochastic orders and co-risk measures under positive dependence	Dimitrina S. <b>Dimitrova</b> On the double boundary non-crossing probability for a class of compound risk processes with applications	Chunli <b>Cheng</b> Surrender Risk and Mortality: The Impact of a Population-wide Health Shock on Life Insurance	Abel <b>Cadenillas</b> The Optimal Size Band of Government Stabilization Funds	Camilla <b>Damian</b> EM Algorithm for Markov Chains Observed via Gaussian Noise and Point Process Information: Theory and Numerical Experiments	Ambrose <b>Lo</b> Pareto-optimal reinsurance policies in the presence of individual rationality constraints
16:55	Runhuan <b>Feng</b> Exponential functionals of Levy processes and variable annuity guaranteed benefits	Nariankadu <b>Shyamalkumar</b> On Tail Dependence Matrices	Daniel <b>Kostner</b> Cone distribution functions and quantiles for multivariate random variables	Simon C.K. <b>Lee</b> Delta Boosting Machine with Application to General InsuranceS	Edit <b>Rroji</b> Dealing with mortality at highest age groups	Zied <b>Ben Salah</b> Optimal Premiums for a Risk Model with Capital Injections	Yinglin <b>Zhang</b> Robust reduced-form framework	Jiandong <b>Ren</b> On Pareto-Optimal Reinsurance With Constraints Under Distortion Risk Measures
17:20	Short break							

Room 1 (lecture hall 1, „Freihaus“ building, 1st floor, red area)

17:30	<b>Panel Discussion</b> <i>Panelists:</i> Paul <b>Embrechts</b> , Eva <b>Fels</b> , Rüdiger <b>Frey</b> , Axel <b>Helmert</b> , Ralf <b>Korn</b> , Werner <b>Matula</b> , <i>Moderator:</i> Reinhold <b>Kainhofer</b> Ultra-low interest rates in insurance business
18:30	<b>Welcome Reception &amp; Poster Presentation</b>

## Tuesday, July 4, 2017, morning

Room 1 (lecture hall 1, „Freihaus“ building, 1st floor, red area)

09:00	<b>Plenary Talk</b>
	<i>Chair: Hansjörg Albrecher</i>
	<b>Paul Embrechts</b> Quantile-Based Risk Sharing and Equilibria
10:00	Ralf <b>Korn</b> : Announcement ICA 2018
10:10	Coffee Break (1st and 2nd floor, red area)

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Tue	Life Insurance: General	Data and Facts	Life Insurance: Contracts	Uncertainty	Longevity	Dividends I	Risk Theory I	Reinsurance II
<i>Chairs</i>	<i>Elena Vigna</i>	<i>Zinovy Landsman</i>	<i>Massimo Costabile</i>	<i>Yinglin Zhang</i>	<i>Séverine Arnold</i>	<i>Stefan Thonhauser</i>	<i>Stéphane Loisel</i>	<i>Maria de Lourdes Centeno</i>
10:40	Hangsuck <b>Lee</b> Crediting Strategy for an Optimal Universal Life Contract	Chin-Wen <b>Wu</b> Automatic Trading Strategies with Rule-Based Technical Pattern Recognition	Linus Fang-Shu <b>Chan</b> On the Effective Durations and Effective Convexities of Participating Life Insurance Reserves: The Simultaneous Impacts of Surrender Option and Bonus Option	Arnold F. <b>Shapiro</b> Probabilistic fuzzy systems	Petar <b>Jevtic</b> Longevity Bond Pricing in Equilibrium	Nora <b>Muler</b> Optimal multi-band policies in the problem of optimal cash management for compound Poisson processes with two-sided jumps	Haoyu <b>Qian</b> Ruin probability of the shot-noise Cox process	Wolfgang J. <b>Runggaldier</b> Reinsurance and investment in the financial market in view of minimizing expected capital injections
11:05	Jean-François <b>Bégin</b> Deflation Risk and Implications for Life Insurers	<del>Cancelled:</del> <del>Jacques <b>Levy Vehel</b></del> <del>Causal relations between monetary policies and market behaviour</del>	Emilio <b>Russo</b> Fair valuation of participating policies embedding a minimum guaranteed bonus rate and a surrender option in a stochastic interest rate framework	Marie-Claire <b>Koissi</b> A Survey of Insurance applications of the FAHP	Jin-Ping <b>Lee</b> Hedging and Valuation of Longevity Swap with Counterparty Risk	Pablo <b>Azcue</b> Optimal time of merger of two insurance companies	Lanpeng <b>Ji</b> Ruin problem of a two-dimensional fractional Brownian motion risk process	Maren Diane <b>Schmeck</b> The challenge of finding the optimal reinsurance strategy in a Markov-switching model.
11:30	Kristian <b>Buchardt</b> On cash flows dependent on investment returns in life and pension insurance	Yung-Tsung <b>Lee</b> On the Valuation of Reverse Mortgages with Surrender Options	Karl-Theodor <b>Eisele</b> Guaranteed accounts and profit sharing in life-insurance	Fei Lung <b>Yuen</b> On the Uncertainty of Individual Risk	Jonathan <b>Ziveyi</b> Cohort and Value-Based Multi-Country Longevity Risk Management	Hanspeter <b>Schmidli</b> On Dividends with Tax and Capital Injection	Pierre <b>Zuyderhoff</b> Some comparison results for finite time ruin probabilities in the classical risk model	Muhsin <b>Tamturk</b> Quantum mechanics approach to the reinsurance with capital injections
11:55	Tzuling <b>Lin</b> Hedging mortality/longevity risk for multiple years	Aliki <b>Sagianou</b> Multiple component stochastic mortality modeling and assessment		Silvana Manuela <b>Pesenti</b> Reverse Sensitivity Testing	-	Peter <b>Grandits</b> A two dimensional dividend problem for collaborating companies and an optimal stopping problem	-	Danping <b>Li</b> Optimality of Excess-of-Loss Reinsurance under a Mean-Variance Criterion
12:20	Lunch Break in „Mensa“, 1st floor, yellow area							

# Tuesday, July 4, 2017, afternoon

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<b>Tue</b>	<b>Pensions I</b>	<b>Statistics: Heavy Tails</b>	<b>Pricing of Liabilities</b>	<b>Statistical Modeling I</b>	<b>Longevity/Mortality: Statistics</b>	<b>Optimal Consumption and Dividends</b>	<b>Risk Theory II</b>	<b>Reinsurance III</b>	<b>Financial Modeling</b>
<i>Chairs</i>	<i>Anna Rita Bacinello</i>	<i>Liivika Tee</i>	<i>Katia Colaneri</i>	<i>Camila Damian</i>	<i>Lorenzo Mercuri</i>	<i>Benjamin Avanzi</i>	<i>Hanspeter Schmidli</i>	<i>Hansjörg Albrecher</i>	<i>Friedrich Hubalek</i>
13:30	Søren Kærgaard <b>Slipsager</b> The Real Risk in Pension Forecasting	Taehan <b>Bae</b> On the mixtures of length-biased Weibull distributions for severity modelling	Pavel <b>Shevchenko</b> Impact of management fees on pricing of variable annuity guarantees	Jae Youn <b>Ahn</b> On random-effect models for testing the heterogeneity in Bonus-Malus system.	Daniel <b>Alai</b> Lifetime Dependence Modelling using a Generalized Multivariate Pareto Distribution	Bingyan <b>Han</b> Optimal consumption and investment problem with ambiguous correlation	Wei <b>Zhu</b> A first application of Fractional Differential Equations in Risk Theory	Léonard <b>Vincent</b> On event-based retentions and limits for XL reinsurance	Manuel <b>Morales</b> On an Agent-based Simulator Model for the Limit-Order-Book and its Applications to Measuring Price Impact
13:55	Peter <b>Hieber</b> Tonuity: A novel individual-oriented retirement plan	Fan <b>Yang</b> Testing the multivariate regular variation model for extreme risks	Jennifer <b>Alonso Garcia</b> Pricing and Hedging Guaranteed Minimum Withdrawal Benefits under a General Levy Framework using the COS Method	Tatjana <b>Miljkovic</b> A Cautionary Note for Risk Management Purposes on Application of Finite Mixture Modeling of Insurance Losses	Michel <b>Vellekoop</b> Dependency structures in models for human mortality	Servaas <b>van Bilsen</b> How to Invest and Draw-Down Wealth? A Utility-Based Analysis	Lewis <b>Ramsden</b> Ruin Probabilities Under Solvency II Constraints	Richard <b>Verrall</b> Micro models for reinsurance reserving based on aggregate data	Hirbod <b>Assa</b> Insurances on commodities
14:20	Ayse <b>Arik</b> Valuation of Defined Benefit Pension Schemes Based on Solvency II	Corina <b>Birghila</b> Insurance premium under ambiguity	Xiaoshan <b>Su</b> Pricing Defaultable Participating Contracts with Regime Switching and Jump Risk	Yohann <b>Le Faou</b> Random Forest for Regression of a Censored Variable	Pierrick <b>Piette</b> Mortality Rates Improvements Forecasting with High-Dimensional Vector-Autoregression Models	Lars Frederik Brandt <b>Henriksen</b> On the distribution of the excedents of funds with assets and liabilities in presence of solvency and recovery requirements	Konstadinos <b>Politis</b> Some monotonicity properties for solutions of renewal equations	Rüdiger <b>Frey</b> Value adjustments and dynamic hedging of reinsurance counterparty risk under partial information	Ramin <b>Okhrati</b> Hedging of defaultable securities under delayed data
14:45	Peter Løchte <b>Jørgensen</b> EIOPA's/Solvency II's Smith-Wilson method for discounting pension liabilities	-	Raj Kumari <b>Bahl</b> General Price Bounds for Guaranteed Annuity Options	Carol Anne <b>Troy</b> Auditor Choice, Insurer Characteristics, and the Property-Liability Reserve Error: A Utility Maximization Model	Chou-Wen <b>Wang</b> Annuity Portfolio Management with Correlated Age-Specific Mortality Rates	-	Spyridon M. <b>Tzaninis</b> Change of Measures for Compound Renewal Processes with Applications to Premium Calculation Principles	Steffen <b>Schumann</b> Application of Cluster Analysis for the Projection of Individual Large Claims for Long Tail Non-Proportional Reinsurance Pricings	-
15:10	Coffee Break (1st and 2nd floor, red area)								

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<b>Tue</b>	<b>Pensions II</b>	<b>Health I</b>	<b>Country Specific Mortality</b>	<b>Statistical Modeling II</b>	<b>Mortality: Statistics I</b>	<b>Dividends II</b>	<b>Risk Theory III</b>	<b>Reinsurance IV</b>	<b>Options</b>
<i>Chairs</i>	<i>Peter Hieber</i>	<i>Wen-Yen Hsu</i>	<i>Athanasios Pantelous</i>	<i>Lluís Bermúdez</i>	<i>Daniel Alai</i>	<i>Julia Eisenberg</i>	<i>Konstadinos Politis</i>	<i>Wolfgang J. Runggaldier</i>	<i>Stefan Gerhold</i>
15:40	Yi <b>Lu</b> Optimal Investment Strategies and Intergenerational Risk Sharing for Target Benefit Pension Plans	Anselm <b>Fleischmann</b> Recent Developments and Selected Models in Long-Term Care Insurance	Malgorzata <b>Seklecka</b> Effects of Temperature and Economic Changes in the United Kingdom	Julien <b>Trufin</b> Bounds on concordance-based validation statistics in regression models for binary responses	Piet <b>de Jong</b> A more meaningful parameterization of the Lee-Carter model	Benjamin <b>Avanzi</b> Optimal dividends under Erlang(2) inter-dividend decision times	Jeff <b>Wong</b> Parisian-type Ruin for Spectrally Negative Levy Process with Poisson Observations	Yunzhou <b>Chen</b> An Optimal Control Approach to Optimal Reciprocal Reinsurance Policy	Angelos <b>Dassios</b> Parisian options, truncated Lévy measures and insurance mathematics
16:05	Hong <b>Mao</b> Optimal Contribution and Investment in A Defined Benefit Pension Plan When The Return Rate of Risky Assets Is Time Series Correlated and Cyclical Change	Jonas <b>Hirz</b> Actuarial Applications of MCMC in Mortality and Morbidity	Anastasios <b>Bardoutsos</b> Coherent mortality projections for the Netherlands taking into account mortality delay and smoking	Sander <b>Devriendt</b> Sparse modeling of risk factors in insurance analytics	Erengul <b>Dodd</b> Stochastic Modelling and Projection of UK Mortality Improvements Allowing for Overdispersion	Paul <b>Krühner</b> On suboptimal control and application to an insurance problem	Yasutaka <b>Shimizu</b> Asymptotic theory of parametric inference for ruin probability under Levy insurance risks	Wing Fung <b>Chong</b> Optimal Reinsurance under Law-invariant Coherent Risk Measures	<i>Cancelled:</i> <i>Zhongyi Yuan</i> <i>Insurers' Contingent Convertibles with Regulation Consistent Triggers</i>
16:30	Hélène <b>Morsomme</b> Stochastic optimal control of public pension schemes	Michel <b>Fuino</b> Long-term care models and dependence probability tables by acuity level: new empirical evidence from Switzerland	Ana <b>Debón</b> Spatial Modeling of Old-Age Mortality Risk in the US	Enrique <b>Calderin</b> Fat-Tailed Regression with the Double Pareto Lognormal Distribution Applied to Bodily Claims Data	I-Chien <b>Liu</b> Cohort Mortality Model Innovations with Non-Gaussian Distributions	Jinxia <b>Zhu</b> Dividend optimization for a linear diffusion model with time inconsistent preferences	Jiajun <b>Liu</b> Precise Estimates for the ruin probability with Dependent Insurance and Financial risks	Chi Seng <b>Pun</b> Non-zero-sum Reinsurance Games subject to Ambiguous Correlations	Otto <b>Konstandatos</b> An Analytical Approach for Reset Employee Share Option Valuation Incorporating Voluntary Early Exercise and Involuntary Attrition Adjustment using Survival Functions
16:55	Poontavika <b>Naka</b> Annuitisation Divisors for Notional Defined Contribution (NDC) Pension Schemes	Wen-Yen <b>Hsu</b> Adverse Selection and the Decision to Lapse and Reinstatement Policies	Farid <b>Flici</b> Construction of a dynamic life-table based on the Algerian retirees mortality experience	Catalina <b>García García</b> Classification and claim prediction through logistic regression and support vector machines.	Ying <b>Zhang</b> A Multi-Dimensional Bühlmann Credibility Approach to Modeling Multi-Population Mortality Rates	Shu <b>Li</b> Analysis of the omega-killed Markov additive process	-	Yang <b>Shen</b> A stochastic Stackelberg differential game between an insurer and a reinsurer	<i>Cancelled:</i> <i>Timothy James Kyng</i> <i>Numerical Experiments and Hybrid Methods for Valuation of Multi-Asset Multi-Period Executive Share Options</i>
17:20	Walk or public transport to Vienna City Hall								
Vienna City Hall (Lichtenfelsgasse 4, Metro U2 „Rathaus“)									
18:00	<b>Conference Dinner &amp; Dancing Session</b>								

# Wednesday, July 5, 2017

	Room 1 (1st/2nd floor)	Room 2 (2nd floor)	Room 3 (2nd floor)	Room 4 (2nd floor)	Room 5 (2nd floor)	Room 6 (2nd floor)	Room 7 (2nd floor)	Room 8 (2nd floor)
<b>Wed</b>	<b>Optimality and Allocation Problems</b>	<b>Health II</b>	<b>Interest Rates &amp; Currency Risk</b>	<b>Actuarial Simulations I</b>	<b>Asset-Liability Management</b>	<b>Optimal Strategies IV</b>	<b>Approaches to Insurance Risks</b>	<b>Financial Management in Insurance</b>
<i>Chairs</i>	<i>Pavel Shevchenko</i>	<i>Jan Dhaene</i>	<i>Angelos Dassios</i>	<i>Anastasios Bardoutsos</i>	<i>Claudia Ceci</i>	<i>Paul Krühner</i>	<i>Manuel Morales</i>	<i>Apostolos Papaioannou</i>
09:00	Igor <b>Rudnytskyi</b> Stochastic Programming for Asset Allocation in Pension Funds	Kili <b>Wang</b> Solution or spillover? Exploring the impact of Taiwan's DRG payment system on the private health insurance market	Suhan <b>Altay</b> Yield Curve Scenario Generation with Independent Component Analysis	Alasdair David <b>Wilkie</b> Improving the realism of actuarial simulations	Biqi <b>Tan</b> On the valuation and risk measurement of variable annuities with flexible premium	Georg <b>Pflug</b> Design of insurance contracts under ambiguity	Stéphane <b>Loisel</b> On some properties of Schur-constant vectors	Mario <b>Sikic</b> Market-Consistent Valuation and Financial Management of an Insurance Firm
09:25	Francesca <b>Centrone</b> Capital Allocation à la Aumann and Shapley for non differentiable risk measures	<del>Cancelled:</del> <del>Lili <b>Zheng</b></del> <del>Excess demand and supplier-induced demand for social health insurance: Evidence from China</del>	Zhenzhen <b>Fan</b> Currency risk management under equity-currency contagion	Stefan <b>Thonhauser</b> On a QMC method for Gerber-Shiu functions	Ze <b>Chen</b> Differentiate liabilities valuations: relative conservativeness, gain-loss asymmetry and loss-aversion	Susanna <b>Levantesi</b> Optimal Product Mix in Long Term Care Insurance	Liivika <b>Tee</b> Lambert W random variables and their applications in non-life insurance	Tim <b>Boonen</b> Price competition in general insurance markets: a dynamic game-theoretic approach
09:50	Thomas <b>Kokholm</b> Constant Proportion Portfolio Insurance Strategies in Contagious Markets	Han <b>Li</b> Modeling multi-state health transitions in China: A generalized linear model with time trends	Thomas <b>Viehmann</b> Simultaneous calibration of an interest model to multiple valuation dates	Anne <b>MacKay</b> Analysis of VIX-linked fees for GMWBs via explicit solution simulation methods	Ling <b>Zhang</b> Robust portfolio choice for a DC pension plan with stochastic income and interest rate	Fangda <b>Liu</b> Optimal Insurance Design in the Presence of Exclusion Clauses	Dimitrios G. <b>Konstantinides</b> Tail behavior of randomly weighted infinite sums	Ke Xin <b>Chen</b> Optimal Investment of Insurers under Regime-Switching Cointegration
10:15	-	Zhongfei <b>Li</b> Pre-Commitment and Equilibrium Strategies for DC Pension Fund with Regime Switching and a Return of Premiums Clause		Vincent <b>Goulet</b> A foray into the insurance of things, or how to price individual objects without prior data	Jennifer L. <b>Wang</b> Explaining the Risk Premiums of Life Settlements	-	<del>Cancelled:</del> <del>Silvia <b>Dedu</b></del> <del>General entropy measures based approach to risk assessment in actuarial models</del>	François <b>Quittard-Pinon</b> Risk Control of Variable Annuities with Ratchet: The GMAB Case
10:40	Coffee Break (1st and 2nd floor, red area)							

	Room 1 (1st/2nd floor)	Room 2 (2nd floor)	Room 3 (2nd floor)	Room 4 (2nd floor)	Room 5 (2nd floor)	Room 6 (2nd floor)	Room 7 (2nd floor)	Room 8 (2nd floor)
<b>Wed</b>	<b>Statistics IV</b>	<b>Dependence IV</b>		<b>Statistical Modeling III</b>	<b>Life Insurance Models</b>		<b>Special Insurances</b>	<b>Portfolio Optimization</b>
<i>Chairs</i>	<i>Uwe Schmock</i>	<i>Etienne Marceau</i>		<i>Julien Trufin</i>	<i>Pierrick Piette</i>		<i>Nora Muler</i>	<i>Ramin Okhrati</i>
11:10	Marta <b>Sánchez Sánchez</b> A Bayesian sensitivity study in actuarial context	Klaus D. <b>Schmidt</b> Estimators for a Class of Measures of Concordance for Bivariate Copulas		Vladimir K. <b>Kaishev</b> Geometrically Designed Splines in Generalized (Non-)Linear Models with Actuarial Applications	Lorenzo <b>Mercuri</b> Stochastic mortality models: some extensions based on Lévy CARMA models		William Miguel <b>Guevara Alarcon</b> Modelling marine liability losses: The long and heavy tail of sinking ships	Hampus <b>Engsner</b> The value and replicating portfolio of a liability cash flow in discrete time
11:35	Dinah <b>Heidinger</b> Awareness, Determinants, and Value of Reputation Risk Management: An Empirical Study in the Banking and Insurance Industry	Isaudin <b>Ismail</b> Risk aggregation using a mixture of copulas		Senren <b>Tan</b> Efficient Computation of the Kolmogorov-Smirnov Distribution with Applications in Insurance and Finance	Lkhamjav <b>Batsaikhan</b> Interest Rate Volatility, Contract Value, and Default Risk in Participating Life Insurance		Debora Daniela <b>Escobar</b> Insurance premium in energy markets	Filip <b>Lindskog</b> Insurance valuation: A computable multi-period cost-of-capital approach

**Room 1** (lecture hall 1, „Freihaus“ building, 1st floor, red area)

12:05	<b>Plenary Talk</b> <i>Chair: Mogens Steffensen</i> <b>Catherine Donnelly</b> What is the future of pensions?
13:05	Bernard <b>Wong</b> : Announcement IME 2018
13:20	Rob <b>Kaas</b> : Closing Remarks
13:30	End of IME Conference – Lunch packages