

# EAJ Educational Workshop

TU Vienna, September 8-9, 2014

## Mon., Sept. 8

8:30	Registration	
8:50	Welcome	
9:00	<b>Enrico Biffis</b> Some old and new problems in insurance contract design	Chair: Thorsten Rheinländer
10:30	Coffee Break	
10:50	<b>Claudia Czado</b> Pair-Copula constructions of multivariate copulas with applications	Chair: Thorsten Rheinländer
12:20	Lunch Break	

## Tue., Sept. 9

9:00	<b>Stéphane Loisel</b> Modeling, monitoring and managing longevity risk	Chair: Julia Eisenberg
10:30	Coffee Break	
10:50	<b>Claudia Czado</b>	Chair: Julia Eisenberg
12:20	Lunch Break	

13:40	<b>Enrico Biffis</b>	Chair: Uwe Schmock
15:10	Coffee Break	
15:30	<b>Carole Bernard</b> A new approach to assessing model risk on dependence in high dimensions	Chair: Uwe Schmock
16:30	<b>Alfred Müller</b>	
16:40		
17:40		

13:40	<b>Stéphane Loisel</b>	Chair: Friedrich Hubalek
15:10	Coffee Break	
15:30	<b>Alfred Müller</b> Modeling, measuring and comparing dependent risks	Chair: Friedrich Hubalek
16:30	<b>Carole Bernard</b>	
16:40		
17:40		

# 2<sup>nd</sup> European Actuarial Journal (EAJ) Conference

TU Vienna, September 10-12, 2014

## Wed., Sept. 10

8:30	Registration	
9:10	Welcome	
9:20	Hansjoerg <b>Albrecher</b>	Chair: Uwe Schmock
10:10	Coffee Break	
10:30	Hansjörg <b>Furrer</b>	
11:20	Stefan <b>Jaschke</b>	
12:10		

## Lunch Break

13:30	Contributed talks
14:20	Parallel Sessions
14:30	Contributed talks
15:20	Parallel Sessions
15:20	Coffee Break
15:40	Contributed talks
16:30	Parallel Sessions

16:30	Ragnar <b>Norberg</b>	Chair: T. Rheinländer
17:30	Poster Session	
	and Welcome Reception	

## Thu., Sept. 11

9:00	Daniel <b>Ryan</b>	Chair: Stefan Gerhold
9:50	Andrew <b>Cairns</b>	
10:40	Coffee Break	
11:00	Claus <b>Mischler</b>	
11:50	Lars Michael <b>Hoffmann</b>	
12:15		

## Lunch Break

13:30	Contributed talks
14:20	Parallel Sessions
14:30	Contributed talks
15:20	Parallel Sessions
15:20	Coffee Break
15:40	Contributed talks
16:30	Parallel Sessions

16:30	Michael <b>Schlögl</b>	Chair: Uwe Schmock
17:30	History of Insurance in Austria & at TU Vienna	
18:15	<i>(coach to heuriger)</i> Conference Heuriger	

## Fri., Sept.12

9:00	Hanspeter <b>Schmidli</b>	Chair: Julia Eisenberg
9:50	Alexander <b>Dotterweich</b>	
10:40	Coffee Break	
11:00	Mogens <b>Steffensen</b>	
11:50	Rüdiger <b>Frey</b>	
12:15		

## Lunch Break

13:30	Nele <b>Vandaele</b>	Chair: T. Rheinländer
14:20	Walter <b>Schachermayer</b>	
15:10	Closing Ceremony	

WED	A	B	C	D	E	F
<b>Chairs</b>	<b>HIPP Christian</b>	<b>SCHMIDLI Hanspeter</b>	<b>PITACCO Ermanno</b>	<b>WÜTHRICH Mario</b>	<b>Hubalek Friedrich</b>	<b>LOISEL Stéphane</b>
<b>13:30 - 13:55</b>	<b>MULER Nora</b> Optimal dividends for collaborating insurance companies	<b>DEELSTRA Griselda</b> Modelling correlated processes in a multivariate Lévy framework with applications	<b>SCHILLING Katja</b> Decomposing life insurance liabilities into risk factors	<b>LINDE Marc</b> Analytical and simulation-based approaches for quantifying multi-year non-life insurance risk within ORSA / FLAOR processes under Solvency II	<b>MIKUS Georg</b> Valuation of partial and suboptimal surrender in Guaranteed Minimum Withdrawal Benefits for life	<b>BADOUNAS Ioannis</b> Robust loss reserving regression models with random coefficients
<b>13:55 - 14:20</b>	<b>HERNÁNDEZ Miguel C.</b> Optimal dividend payments problem under time of ruin constraints: Exponential case	<b>VAN WEVERBERG Ch.</b> Explosion time for the Wishart process	<b>REGIS Luca</b> A three factor cohort-based model for the mortality surface	<b>DEVOLDER Pierre</b> Time consistency of Solvency 2 measurement for long term guarantees	<b>COSTABILE Massimo</b> A trinomial lattice to evaluate variable annuities with guaranteed minimum withdrawal benefits under a regime-switching model	<b>EISELE Karl-Theodor</b> Prediction of claim provisions with Hachemeister credibility for development patterns
<b>14:30 - 14:55</b>	<b>SZÖLGYENYI Michaela</b> On dividend maximization in hidden Markov models	<b>FUCHS Sebastian</b> Bivariate copulas: transformations, asymmetry and measures of concordance	<b>WIELAND Jochen</b> Optimizing participating life insurance product designs for both, policyholders and insurers, under risk based solvency frameworks	<b>ALM Jonas</b> Signs of dependence in non-life insurance data	<b>MILHAUD Xavier</b> Tree-based estimators in censored regression: applications to segmentation and reserving in life insurance	<b>SCHELLDORFER Jürg</b> GLM model diagnostics in claims reserving using R
<b>14:55 - 15:20</b>	<b>EISENBERG Julia</b> Optimal consumption under a stochastic interest rate	<b>YUEN Kam Chuen</b> Optimal proportional reinsurance for a risk model with dependent classes of insurance business	<b>WAN Cheng</b> Market consistent valuation of liabilities in relation to longevity risk in Switzerland: Application of Swiss coherent mortality model for Swiss pension funds and life insurance business: a practical approach	<b>DAHMS Rene</b> Reserve risk dependencies under Solvency II and IFRS 4 perspective	<b>CHRISTIANSEN Marcus</b> Integral equations for moments and loss distributions in multistate life and health insurance models	<b>HENTSCHEL Felix</b> Optimal consumption and investment decisions under time varying risk attitudes
<b>15:20 - 15:40</b>	<b>Coffee Break (in front of main lecture hall)</b>					
<b>15:40 - 16:05</b>	<b>AZCUE Pablo</b> Optimal dividend problem for a two-dimensional insurance risk process	<b>DASSIOS Angelos</b> Dynamic contagion processes in finance and insurance	<b>STREFTARIS George</b> Parameter and model uncertainty in the estimation of settlement delay and diagnosis rates in critical illness insurance	<b>DYGAS Pawel</b> From Solvency II Standard Approach to true dependencies - shrinkage in Non-Life Insurance	<b>SPREEUW Jaap</b> Projecting mortality rates by a Markov chain	<b>ASSA Hirbod</b> On optimal reinsurance policy with distortion risk measures and premiums
<b>16:05 - 16:30</b>	<b>WONG Bernard</b> On the interplay of periodic and continuous strategies in the optimal dividends problem	<b>SCHMECK Maren</b> Exploring deviations of mean reverting price processes from standard models	<b>DODD Erengul (Ozkok)</b> The effect of model uncertainty on the pricing of critical illness insurance	<b>KOLEV Nikolai</b> A new class of bivariate distributions with risk management applications	<b>ALAI Daniel</b> A multivariate Tweedie lifetime model: censoring and truncation	<b>CANI Arian</b> An application of optimal reinsurance in the classical risk model

THU	A	B	C	D	E	F
<b>Chairs</b>	<b>NORBERG Ragnar</b>	<b>MÜLLER Alfred</b>	<b>EGIDIO DOS REIS Alfredo</b>	<b>KOLEV Nikolai</b>	<b>CZADO Claudia</b>	<b>ALBRECHER Hansjoerg</b>
<b>13:30 - 13:55</b>	<b>VIGNA Elena</b> Mean-variance target-based optimisation in DC plan with stochastic salary	<b>BELLINI Fabio</b> Return risk measurement: Orlicz-type measures of risk	Cancelled.	<b>WEBER Stefan</b> Systemic risk measures	<b>VERBELEN Roel</b> Loss modelling with mixtures of Erlang distributions	<b>MAINIK Georg</b> Risk aggregation with empirical margins: Latin hypercubes, empirical copulas, and convergence of sum distributions
<b>13:55 - 14:20</b>	<b>PICHLER Alois</b> Insurance pricing under ambiguity	<b>WANG Meng (Simon)</b> Optimal retention levels for excess-of-loss reinsurance	<b>RAGULINA Olena</b> Analytic properties of the ruin probabilities in risk models with investments	<b>BIGNOZZI Valeria</b> How superadditive can a risk measure be?	<b>PEÑA SÁNCHEZ I.</b> Extreme Value Theory: a practical application based on estimating the large claims in Non-Life Insurance	<b>PETER Richard</b> Endogenous information and adverse selection under loss prevention
<b>14:30 - 14:55</b>	<b>HUBER Laurent J.</b> Bayesian mortality trends analysis	<b>GHOSSOUB Mario</b> Cost-efficient contingent claims under nonlinear pricing	<b>PSARRAKOS Georgios</b> On risk models with claims following inverse Gaussian distribution	<b>YAO Jing</b> How robust is the VaR of credit risk portfolios?	<b>LEMAIRE Jean</b> The use of annual mileage as a rating variable	<b>STEPCHENKO Darja</b> Assessment of risk function using Analytical Network process
<b>14:55 - 15:20</b>	<b>HIRZ Jonas</b> Modelling annuity portfolios with extended CreditRisk <sup>+</sup>	<b>KULIKOV Alexander</b> Hedging market risk when volumetric risk is not traded	<b>LEHTOMAA Jaakko</b> Asymptotic behaviour of ruin probabilities in a general discrete risk model using moment indices	<b>PITSELIS Georgios</b> Some new developments on credibility risk measures and applications	<b>KUDRYAVTSEV Andrey</b> Some aspects of nonparametric regression applications to rate making	<b>O'HAGAN Adrian</b> A model-based clustering approach to data reduction for actuarial modelling
<b>15:20 - 15:40</b>	<b>Coffee Break (in front of main lecture hall)</b>					
<b>15:40 - 16:05</b>	<b>SCHMIDT Jan-Philipp</b> The best of both worlds: analysis of policyholder behavior with multivariate adaptive regression splines	<b>WERNER Ralf</b> Analysis of popular replicating portfolio approaches	<b>BIARD Romain</b> Fractional Poisson process: long-range dependence and applications in ruin theory	<b>CHOO Weihao</b> Percentile rank gap as a measure of dependence between two variables at different percentiles	<b>SORDO Miguel A.</b> Comparison of conditional distributions in portfolios of dependent risks	<b>WAGNER Joël</b> What transaction costs are acceptable in life insurance products from the policyholders' viewpoint?
<b>16:05 - 16:30</b>	<b>FLICI Farid</b> Using specific life-tables for life annuities calculation: the case of Algeria	<b>VIEHMANN Thomas</b> Your economic scenario set passed the tests. So is it good?	<b>AFONSO Lourdes</b> Measuring the impact of a bonus-malus system in finite and continuous time ruin probabilities, for large portfolios in motor insurance	<b>HIRHAGER Karin</b> Conditional distortion risk measures, conditional (weighted) expected shortfall and application to risk capital allocation	<b>SELCH Daniela</b> A multivariate claim number process with simultaneous claim arrivals	<b>EKSI-ALTAY Zehra</b> EM algorithm for Markov chain observed via Gaussian noise and point processes information