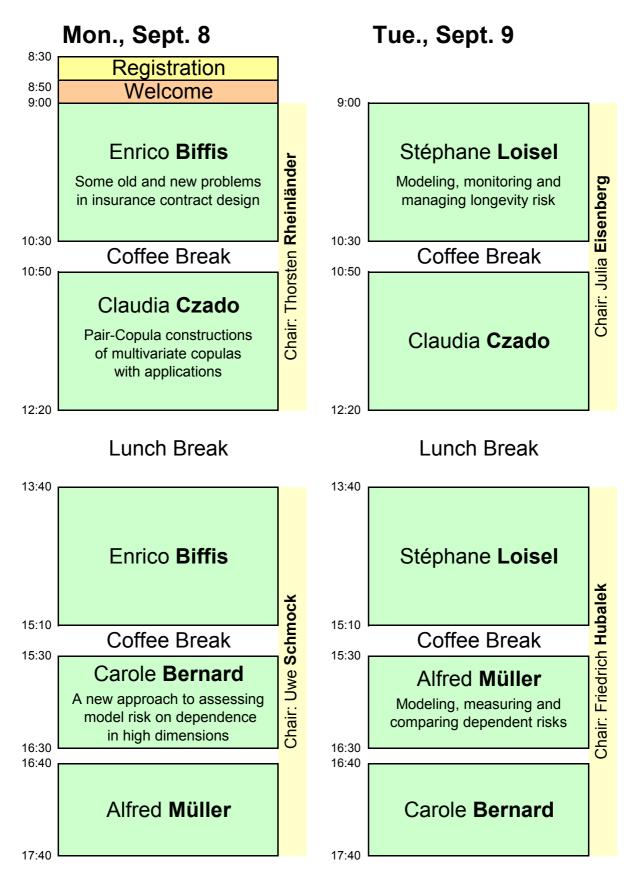
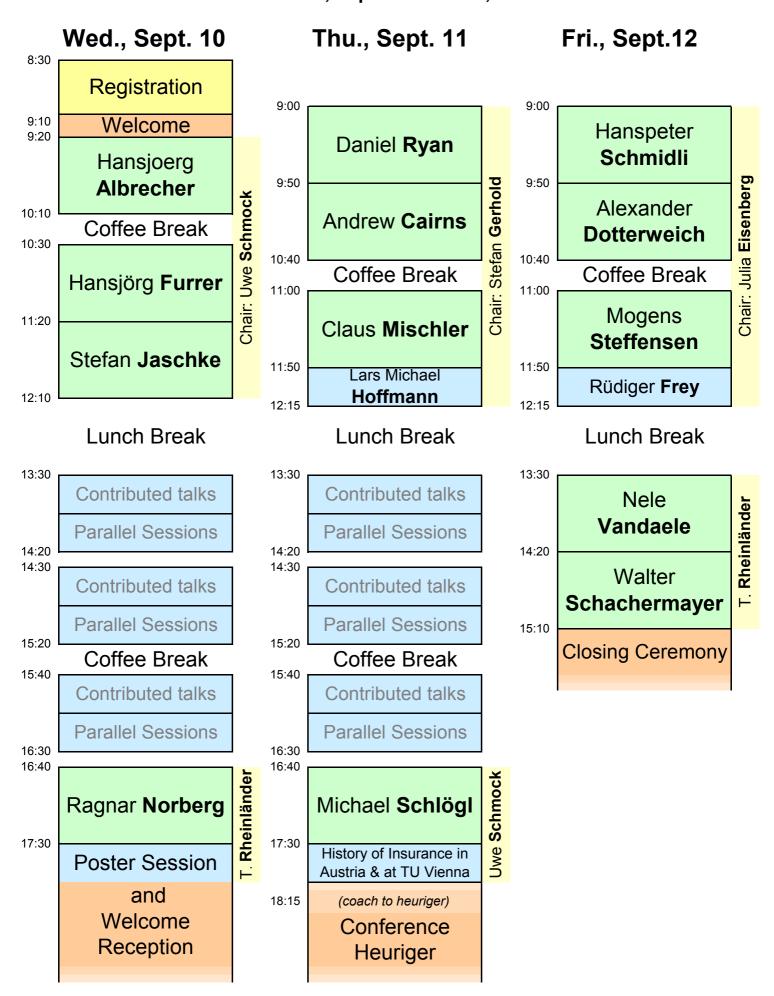
## **EAJ Educational Workshop**

TU Vienna, September 8-9, 2014



## 2<sup>nd</sup> European Actuarial Journal (EAJ) Conference TU Vienna, September 10-12, 2014



## 2<sup>nd</sup> EAJ Conference – Contributed Talks – Wednesday, September 10, 2014

WED	A	В	С	D	E	F		
Chairs	HIPP Christian	SCHMIDLI Hanspeter	PITACCO Ermanno	WÜTHRICH Mario	Hubalek Friedrich	LOISEL Stéphane		
13:30 - 13:55	<b>MULER Nora</b> Optimal dividends for collaborating insurance companies	DEELSTRA Griselda Modelling correlated processes in a multivariate Lévy framework with applications	SCHILLING Katja Decomposing life insurance liabilities into risk factors	LINDE Marc Analytical and simulation-based approaches for quantifying multi-year non-life insurance risk within ORSA / FLAOR processes under Solvency II	MIKUS Georg Valuation of partial and suboptimal surrender in Guaranteed Minimum Withdrawal Benefits for life	BADOUNAS loannis Robust loss reserving regression models with random coefficients		
13:55 - 14:20	HERNÁNDEZ Miguel C. Optimal dividend payments problem under time of ruin constraints: Exponential case	VAN WEVERBERG Ch. 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	EISELE Karl-Theodor Prediction of claim provisions with Hachemeister credibility for development patterns		
14:30 - 14:55	SZÖLGYENYI Michaela On dividend maximization in hidden Markov models	FUCHS Sebastian Bivariate copulas: transformations, asymmetry and measures of concordance	WIELAND Jochen Optimizing participating life insurance product designs for both, policyholders and insurers, under risk based solvency frameworks	ALM Jonas Signs of dependence in non-life insurance data	MILHAUD Xavier Tree-based estimators in censored regression: applications to segmentation and reserving in life insurance	SCHELLDORFER Jürg GLM model diagnostics in claims reserving using R		
14:55 - 15:20	EISENBERG Julia Optimal consumption under a stochastic interest rate	YUEN Kam Chuen Optimal proportional reinsurance for a risk model with dependent classes of insurance business	WAN Cheng 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	CHRISTIANSEN Marcus Integral equations for moments and loss distributions in multistate life and health insurance models	HENTSCHEL Felix Optimal consumption and investment decisions under time varying risk attitudes		
15:20 - 15:40	Coffee Break (in front of main lecture hall)							
15:40 - 16:05	AZCUE Pablo Optimal dividend problem for a two-dimensional insurance risk process	DASSIOS Angelos Dynamic contagion processes in finance and insurance	STREFTARIS George 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	SPREEUW Jaap Projecting mortality rates by a Markov chain	ASSA Hirbod On optimal reinsurance policy with distortion risk measures and premiums		
16:05 - 16:30	WONG Bernard On the interplay of periodic and continuous strategies in the optimal dividends problem	SCHMECK Maren 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	ALAI Daniel A multivariate Tweedie lifetime model: censoring and truncation	<b>CANI Arian</b> An application of optimal reinsurance in the classical risk model		

## 2<sup>nd</sup> EAJ Conference – Contributed Talks – Thursday, September 11, 2014

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