Remembering Ragnar

"Certain forms of uncertainty make life interesting but less safe. I was always intrigued by the various forms of risk that are associated with human life and activity and how they can be mitigated for the individual by contractual risk exchange between two or more parties. Certain forms of certainty make life interesting and more safe. I was always attracted to mathematics because it allows for statements that are non-trivial and still indisputably true. These two areas of interest synthesize perfectly into actuarial/financial mathematics, which gives precise contents to notions of risk and develops methods for measuring and controlling it."

(Ragnar Norberg, 1945 - 2017)

Remembering Ragnar is a half-day event where we commemorate Ragnar Norberg and his many contributions, not least to the actuarial research literature and to the research and educational environments he cultivated, championed, and challenged. The event is hosted by Mogens Steffensen and features talks by Walther Neuhaus, Thomas Møller, Stéphane Loisel, Kristian Buchardt, and Marcus C. Christiansen. It is concluded by a reception dinner.



Wednesday, 14th of August

13:30-14:00		R	egistration and coffee	
14:00-14:10	Aud 1		Opening	
14:10-14:50	Aud 1	Walther Neuhaus	Remembering Ragnar – the early days	IS
14:50-15:30	Aud 1	Thomas Møller	Aspects of interplay between finance and insurance	IS
15:30-15:55			Coffee and sweets	
15:55-16:35	Aud 1	Stéphane Loisel	Ragnar in Lyon: retired but not tired!	IS
16:35-17:15	Aud 1	Kristian Buchardt	Forward transition rates for valuation	IS
17:15-17:55	Aud 1	Marcus C. Christiansen	Two hidden gems in the works of Ragnar Norberg	IS
17:55-18:00	Aud 1		Closing	
18:00-20:00		Recept	ion dinner in Vandrehallen	

 $Abbreviations: \ CT(s) \ for \ Contributed \ Talk(s); \ IS \ for \ Invited \ Speaker; \ PS \ for \ Plenary \ Speaker.$

Timetables

Thursday, 15th of August

8:00-8:45		F	Registration and coffee	
8:45-9:00	Aud 1		Opening	
9:00-10:00	Aud 1	Valérie Chavez-Demoulin	Causal Discovery in Multivariate Extremes with a Hydrological Analysis of Swiss River Discharges	PS
10:00-10:20			Coffee	
10:20-12:00	Aud 1 Aud 5 Aud 6	Mort	Machine learning ality and longevity risk Iluation and design	CTs
12:00-13:00			Lunch	
13:00-14:00	Aud 1	Joshua Loftus	Model-agnostic explanation tools and their limitations	PS
14:05-15:20	Aud 1 Aud 5 Aud 6		Fairness ulti-state modeling ds and stochastic control	CTs
15:20-15:45			Coffee and sweets	
15:45-17:00	Aud 1	F	Roundtable on fairness	
18:00-24:00		Social event and	conference dinner at Arbejdermuseet	

Friday, 16th of August

9:00-10:00	Aud 1	Johanna Ziegel	Isotonic distributional regression and CRPS decompositions	PS
10:00-10:20			Coffee	
	Aud 1	Optimal consum	nption, investment, and insurance	
10:20-12:00	Aud 5	Econ	omics of (re)insurance	CTs
	Aud 6	Sta	atistics and extremes	
12:00-13:00			Lunch	
	Aud 1		Non-life insurance	
13:00-14:40	Aud 5	Asset allocation		CTs
	Aud 6		Lapse risk	
14:40-15:00			Coffee and sweets	
15:00-16:00	Aud 1	Damir Filipović	Stripping the Swiss Discount Curve using Kernel Ridge Regression	PS
16:00-16:10	Aud 1		Closing	

Parallel sessions — Thursday, 15th of August

Machine learning — Aud 1, 10:20-12:00

	Cha	air: Munir Eberhardt Hiabu	
10:20-10:45	Ralf Wilke	Estimation of Panel Models with Group Structures in Fixed Effects	СТ
10:45-11:10	Mathias Lindholm	A tree-based varying coefficient model with insurance applications	СТ
11:10-11:35	Gabriele Pittarello	A machine learning approach based on survival analysis for IBNR frequencies in non-life reserving	СТ
11:35-12:00	Thorsten Rheinländer	Deep Learning in Life Insurance	CT

Mortality and longevity risk — Aud 5, 10:20-12:00

		Chair: Mogens Bladt	
10:20-10:45	Cinzia Di Palo	Entropy and Life Annuity Changes	CT
10:45-11:10	Phillip Frede Halmsted Olsen	Matrix representations for prices of life-contingent derivatives	СТ
11:10-11:35	Andrey Ugarte Montero	Incorporating Information on Insured Amounts to Improve Survival Rate Estimates from a Liability Perspective	СТ
11:35-12:00	Mathias D. Plovst	Systematic longevity risk: The willingness to pay	СТ

Valuation and design — Aud 6, 10:20-12:00

	Cl	hair: Luis Alvarez Esteban	
10:20-10:45	Francesco Della Corte	Market-Consistent Valuation and Capital Assessment for Demographic Risk in Life Insurance: A Cohort Approach	СТ
10:45-11:10	Francesco Rania	Risk profiles of Reverse Mortgage: empirical evidence from Italy	СТ
11:10-11:35	Daniel Nkameni	Index based contracts as a component of an optimal insurance coverage against emerging risks	СТ
11:35-12:00	Michèle Vanmaele	Second order Esscher pricing for models with jumps	СТ

Fairness — Aud 1, 14:05-15:20

		Chair: Mathias Lindholm	
14:05-14:30	Giovanni Rabitti	Measuring proxy discrimination effects with sensitivity analysis	СТ
14:30-14:55	Tessa Steensgaard	Fair learning and testing for unfairness given protected features	СТ
14:55-15:20	Xi Xin	Why You Should Not Trust Interpretations in Machine Learning: Adversarial Attacks on Partial Dependence Plots	СТ

Multi-state modeling — Aud 5, 14:05-15:20

		Chair: Christian Furrer	
14:05-14:30	Ayşe Arık	Examining breast cancer risk during COVID-19: Insights from semi-Markov modelling	СТ
14:30-14:55	Oliver L. Sandqvist	Likelihood-based estimation for multistate models subject to IBNR- and RBNS effects	СТ
14:55-15:20	Theis Bathke	Estimation of bivariate transition rates in life insurance	СТ

Dividends and stochastic control — Aud 6, 14:05-15:20

		Chair: Jostein Paulsen	
14:05-14:30	Dante Mata Lopez	On an optimal dividend problem with a concave bound on the dividend rate	СТ
14:30-14:55	Zuoquan Xu	Optimal dividend payout under path-dependent constraint	СТ
14:55-15:20	Indira Dhar	Stochastic Control Problems in the Dynamic Nelson-Siegel Framework	СТ

Parallel sessions — Friday, 16th of August

Optimal consumption, investment, and insurance — Aud 1, 10:20-12:00

	С	hair: Mogens Steffensen	
10:20-10:45	Seyoung Park	Optimal Consumption and Investment Decisions with Disastrous Income Risk: Revisiting Rietz's Rare Disaster Risk Hypothesis	СТ
10:45-11:10	Debbie Kusch Falden	Calibration of risk aversion to real pension asset allocation	СТ
11:10-11:35	Julie Bjørner Søe	Optimal consumption, investment, and life insurance, including state dependence by risk-adjusted utility	СТ
11:35-12:00	Philipp C. Hornung	Investigating trade-offs in the design of smooth pension products	СТ

Economics of (re)insurance — Aud 5, 10:20-12:00

		Chair: Filip Lindskog	
10:20-10:45	Svein-Arne Persson	Why firms should buy insurance	СТ
10:45-11:10	Tao Li	(A)symmetric Information and Insurers' Nitpicky Behavior	СТ
11:10-11:35	Lea Enzi	Stochastic differential reinsurance games: a jump filtration approach	СТ
11:35-12:00	Aleksandar Arandjelovic	Reinsurance with neural networks	СТ

Statistics and extremes — Aud 6, 10:20-12:00

		Chair: Thomas Mikosch	
10:20-10:45	Jorge Yslas	Robust claim frequency modeling through phasetype mixture-of-experts regression	СТ
10:45-11:10	Yubo Rasmussen	Analyzing Extreme Weather Impact on Property Insurance Claim Severity: A Combined Pareto Neural Network Model	СТ
11:10-11:35	Christoffer Øhlenschlæger	Heterogeneous extremes in the presence of random covariates and censoring	СТ
11:35-12:00	Jiajun Liu	An Asymptotic study of the generalized Tail-Gini measures	СТ

Non-life insurance — Aud 1, 13:00-14:40

	Chair: Martin Bladt		
13:00-13:25	Uwe Schmock	On Matrix-Valued Gamma Distributions in Multivariate Poisson Mixture Models	СТ
13:25-13:50	Melanie Averhoff	Experience Rating in the Cramér-Lundberg Model	СТ
13:50-14:15	Taariq Nazar	On duration effects in non-life insurance pricing	СТ
14:15-14:40	Filip Lindskog	Mack's estimator motivated by large exposure asymptotics in a compound Poisson setting	СТ

Asset allocation — **Aud** 5, 13:00-14:40

	Chair: Thorsten Rheinländer			
13:00-13:25	Yukio Muromachi	A Term Structure Model of Interest Rates with Regime-Switching Properties for Risk Evaluation	СТ	
13:25-13:50	Yevhen Havrylenko	Asset-liability management with liquid and fixed-term assets	СТ	
13:50-14:15	Carlos Miguel Glória	Optimal strategy for an AAM of DC pension plans under jump-diffusion and with time-varying ambiguity	СТ	
14:15-14:40	Michael Preisel	Long-Term Mean-Variance Optimization Under Mean-Reverting Equity Returns	СТ	

Lapse risk — Aud 6, 13:00-14:40

	Chair: Marcus C. Christiansen		
13:00-13:25	Andrea Molent	Enhancing Valuation of Variable Annuities in Lévy Models with Stochastic Interest Rate	СТ
13:25-13:50	Oytun Haçarız	Lapse-supported Life Insurance and Adverse Selection	СТ
13:50-14:15	Francesco Ungolo	A Dirichlet Process Mixture regression model for the analysis of competing risk events	СТ
14:15-14:40	Stefan Gerhold	The effect of policy cancellation on the risk of an insurance portfolio	СТ