

CONTENTS

Editor's Comments .....	vii
Conference Announcement.....	ix
Program.....	xi
List of Participants .....	xiii
The Variance Premium Principle: A Bayesian Robustness Analysis.....1 E. Gómez-Déniz, F. J. Vázquez-Polo, and A. Hernández-Bastida	
A Longitudinal Data Analysis Interpretation of Credibility Models (abstract)..... 13 Edward W. Frees, Virginia R. Young, and Yu (Jack) Luo	
Regulatory Solvency Prediction in Property-Liability Insurance: Risk-Based Capital, Audit Ratios, and Cash Flow Simulation .....	15
J. David Cummins, Martin F. Grace, and Richard D. Phillips	
Mortality Rates as a Function of Lapse Rates .....	69
Faye S. Albert, David G.W. Bragg, and John M. Bragg	
A Bayesian Approach in Calculating Community Mortality Rates (abstract).....85 Margie Rosenberg and Dennis G. Fryback	
Robust Bayesian Credibility Using Semiparametric Models (abstract).....87 Virginia R. Young	
Sequential Credibility Evaluation via Stochastic Approximation .....	89
Zinovy Landsman and Udi E. Makov	
Equity and Credibility (abstract).....	99
S. David Promislow and Virginia R. Young	
The Actuarial Profession and the Academic Community .....	101
Warren R. Luckner	
Open Forum on the Actuarial Syllabus for the New Millennium (abstract)..... 111 Elias Shiu	
A Class of Asymmetric Distributions .....	113
Tomasz J. Kozubowski and Krzysztof Podgorski	

## CONTENTS (Continued)

Optimization of the Ultimate Ruin Probabilities in Risk Theory .....	135
Etienne Marceau	
Laplace Transform and Barrier Hitting Time Distribution .....	165
X. Sheldon Lin	
Managing Your Life as an Actuary: Developments within the SOA .....	179
Anna M. Rappaport	
Efficient Estimation of Ultimate Ruin Probability .....	195
M. A. Usábel	
On the Confidence Interval of Black-Scholes Model (abstract) .....	213
Phelim Boyle and Hailiang Yang	
The Principal-Agent Relationship Between the Actuary and the Pension Administrator ..	215
Jennjung Wu	
Currency Risk Models in Insurance: A Mathematical Perspective (abstract).....	233
Samual H. Cox and H. W. Pedersen	
Social Security: Adequacy, Equity and Progressiveness; A Review of Criteria Based on Experience in Canada and the United States .....	235
Robert L. Brown	
Distribution and Quantile Estimates for Parametric and Non-parametric Models on Value at Risk .....	285
Beda Chan	
Portfolio Optimization in Corporate Models .....	297
William Babcock and Steve Craighead	
Performance of Publicly Mandated Private Pension Funds in Mexico: Simulations with Transactions Cost (or, My Pension Fund is Better than Yours: Lies, Damn Lies and Statistics) .....	323
Tapen Sinha, Felipe Martínez, and Constanza Barrios-Muñoz	
Retirement Plans: Questions as We Near the Year 2000.....	355
Anna M. Rappaport	
Coefficient of Rarity and its Variance (abstract).....	363
Rajesh K. Barnwal and J. C. Hankins	

CONTENTS (Continued)

A Contingent Claim Approach for the Aggregate Claim Analysis .....365  
Lijia Guo and John Beekman

Risk Management in Developing Countries: A Case Study of the Beverage Industry  
in Nigeria.....377  
Adeleye A. Atanda

An Economic Forecasting for the Social Security Trust Funds.....385  
H. Shawn Lin

The Inner Workings of Neural Networks and Genetic Algorithms.....415  
Arnold F. Shapiro, J. Scott Pflumm, and Thomas A. DeFilippo

A Family of Fractional Age Assumptions (abstract) .....427  
Bruce L. Jones

Educating Adaptive Actuaries.....429  
John A. Shepherd

Insurance and Annuity Calculations in the Presents of Stochastic Interest Rates.....445  
Dale Borowiak

