AAS, K. 2004. "Modeling the Dependence Structure of Financial Assets: A Survey of Four Copulas," Preprint, Norwegian Computing Center, Oslo http://www.nr.no/files/samba/bffsamba2204.pdf

ACTUARIAL ADVISORY COMMITTEE TO THE NAIC P/C RISK-BASED CAPITAL WORKING GROUP. 1993. "Report on Covariance Method for Property-Casualty RBC," *Casualty Actuarial Society Forum*, Summer 1993:173-202.

AEBI, M., P. EMBRECHTS, AND T. MIKOSCH. 1992. "A Large Claim Index," *Mitteilungen SVVM*, 143-156.

ALBERS, W. 1999. "Stop-Loss Premiums Under Dependence," *Insurance: Mathematics and Economics*, 24:173-185.

ALTMAN, EDWARD I., AND IRWIN T. VANDERHOOF, EDS., 1995. *The Financial Dynamics of the Insurance Industry*, Irwin Professional Publishing, New York.

AMERICAN ACADEMY OF ACTUARIES. 2002. "Comparison of the NAIC Life, P&C, and Health RBC Formulas. Summary of Differences," Prepared by the Academy Joint Risk-Based Capital Task Force. http://www.actuary.org/pdf/finreport/jrbc\_12feb02.pdf

ANDERSON, C. W. 1970. "Extreme Value Theory for a Class of Discrete Distributions with Applications to Some Stochastic Processes," *Journal of Applied Probability*, 7:99-113.

ARTZNER, P., F DELBAEN, J. M. EBER, AND D. HEATH. 1999. "Coherent Measures of Risk," *Mathematical Finance* 9:203-228.

ASMUSSEN, S., L. FLØE HENRIKSEN, AND C. KLÜPPELBERG. 1994. "Large Claims Approximations for Risk Processes in a Markovian Environment," *Stochastic Processes and their Applications*, 54:29-43.

ASMUSSEN, S., AND C. KLÜPPELBERG. 1996. "Large Deviation Results for Subexponential Tails With Applications to Insurance Risk," *Stochastic Processes and their Applications*, 64:103-125.

BALKEMA, A. A. AND L. DE HAAN. 1974. "Residual Lifetime at Great Age," *Annals of Probability* 2:792-804.

BALKEMA, A. A., AND L. DE HAAN. 1990. "A Convergence Rate in Extreme-Value Theory," *Journal of Applied Probability*, 27:577-585.

BALLING, JOANNE, ET AL. 1994. "Frequently Overlooked Topics in Solvency Testing," *Record of the Society of Actuaries* 20(1):565-588.

BARAKAT, H. M., AND M. A. EL-SHANDIDY. 1990. "On the Limit Distribution of the Extremes of a Random Number of Independent Random Variables," *Journal of Statistical Planning and Inference* 26:353-361.

BARNDORFF-NIELSEN, O. E. 1961. "On the Limit Behaviour of Extreme Order Statistics," *Annals of Mathematical Statistics* 34:992-1002.

BARNETT, V., AND T. LEWIS. 1978. Outliers in Statistics. Wiley, New York.

BARRY, GERY, ET AL. 1994. "1986-1989 Credit Risk Event Loss Experience: Commercial Mortgage Loans and Private Placement Bonds," *Transactions of the Society of Actuaries 1993-94 Reports*:171-318.

BASEL COMMITTEE ON BANKING SUPERVISION. 1988. International Convergence of Capital Measurement Standards.

Basel Committee on Banking Supervision. 1996. Amendment to the Capital Accord to Incorporate Market Risks.

BASEL COMMITTEE ON BANKING SUPERVISION. 1998. Operational Risk Management.

BASEL COMMITTEE ON BANKING SUPERVISION. 1998. Instruments Eligible for Inclusion in Tier 1 Capital.

BASEL COMMITTEE ON BANKING SUPERVISION. 2001. The New Basel Accord: An Explanatory Note.

BASEL COMMITTEE ON BANKING SUPERVISION. 2001. Operational Risk Data – QIS.

Basel Committee on Banking Supervision. 2003. Consultative Document. The New Basel Capital Accord.

BASEL COMMITTEE ON BANKING SUPERVISION. 2003. Trends in Risk Integration and Aggregation.

BASEL COMMITTEE ON BANKING SUPERVISION. 2004. International Convergence of Capital Measurement and Capital Standards: A Revised Framework.

BEHAN, DONALD F., ET AL. 1990. "Current Topics in Financial Reporting," *Record of the Society of Actuaries* 16(4A)2465-2486.

BEHAN, DONALD F., ET AL. 1995. "Dynamic Financial Models of Property-Casualty Insurers," *Casualty Actuarial Society Forum*, Fall 1995:93-127.

BEHAN, DONALD F., ET AL. 1995. "Surplus Management Strategies," *Record of the Society of Actuaries* 21(1):237-248.

BEHAN, DONALD F. 1996. "Techniques for Optimizing Investment Yield in Relation to Risk-Based Capital," Presented to the Insurance Accounting and Systems Association, June 4, 1996.

BEIRLANT, J., AND J. L. TEUGELS. 1992. "Limit Distributions for Compounded Sums of Extreme Order Statistics," *Journal of Applied Probability*, 29:557-574.

BEIRLANT, J., AND J. L. TEUGELS. 1992. "Modeling Large Claims in Non-Life Insurance," *Insurance: Mathematics and Economics*, 11:17-29.

BEIRLANT, J., J. L. TEUGELS, AND P VYNCKIER. 1996. *Practical Analysis of Extreme Values*, Leuven University Press, Leuven.

BEIRLANT, J., Y. GOEGEBEUR, J. SEGERS, AND J. L. TEUGELS. 2004. *Statistics of Extremes: Theory and Applications*. Wiley, Chichester.

BINSWANGER, K. 1997. Rare Events in Insurance. Ph.D. Thesis, ETH Zürich.

Boos, D. D. 1984. "Using Extreme Value Theory to Estimate Large Percentiles," *Technometrics*, 26:33-39.

BOX, G. E. P, AND G. M. JENKINS. 1970. *Time Series Analysis: Forecasting and Control*, Holden-Day, San Francisco.

BOYER, B. H., M. S. GIBSON, AND M. LORETAN. 1999. "Pitfalls in Tests for Changes in Correlations," *International Finance Papers No. 597*, Board of Governors of the Federal Reserve System.

Brehm, Paul J. 2002. "Correlation and the Aggregation of Unpaid Loss Distributions," *Casualty Actuarial Society Forum*, Fall 2002:1-24.

Brender, Allan, et al. 1993. "A Synopsis and Analysis of Research on Surplus Requirements for Property and Casualty Insurance Companies," *Casualty Actuarial Society Forum*, Summer 1993:1-104.

BUCKLEW, J. A. 1991. Large Deviation Techniques in Decision, Simulation, and Estimation, Wiley, New York.

Buishand, T. A. 1989. "Statistics of Extremes in Climatology," *Statistica Neerlandica*, 43:1-30.

CAPÉRAÀ, P., A.-L., AND C. GENEST. 1993. "Spearman's rho is Larger Than Kendall's tau for Positively Dependent Random Variables," *Journal of Nonparametric Statistics* 2:183-194.

CAPÉRAÀ, P., A.-L. FOUGÈRES AND C. GENEST. 1997. "A Nonparametric Estimation Procedure for Bivariate Extreme Value Copulas," *Biometrika* 84:567-577.

CARROLL, CHARLES, ET AL. 1995. "What Can We Learn from Company Failures?" *Record of the Society of Actuaries* 21(4A):393-407.

CASTILLO, E. 1988. Extreme Value Theory in Engineering. Academic Press, San Diego.

CEBRIA, A., M. DENUIT, AND P. LAMBERT. 2004. "Generalized Pareto Fit to the Society of Actuaries' Large Claim Database," *North American Actuarial Journal* 7(3):18-36.

CHAVEZ-DEMOULIN, V. AND P. EMBRECHTS. 2004. "Smooth Extremal Models in Finance and Insurance," *The Journal of Risk and Insurance* 71(2):183-199.

CHAVEZ-DEMOULIN, V. AND P. EMBRECHTS. 2004. "Advanced Extremal Models for Operational Risk," Preprint, Department of Mathematics, ETH-Zentrum.

CHAVEZ-DEMOULIN, V., P. EMBRECHTS, AND J. NESLEHOVA. 2006. "Quantitative Models for Operational risk: Extremes, Dependence and Aggregation," *Journal of Banking and Finance*, forthcoming.

CHERUBINI, U., E. LUCIANO, AND W. VECCHIATO. 2004. *Copula Methods in Finance*. Wiley, Chichester.

CLEMENTE, A., AND C ROMANO. 2003. "A Copula-Extreme Value Theory Approach for Modelling Operational Risk," Preprint, University of Rome "La Sapienza."

CHEUNG, Y.-W. 1993. "Long Memory in Foreign Exchange Rates," *Journal of Business Economics and Statistics*, 11:93-101.

CLONINGER III, KRISS, ET AL. 1994. "Risk-Based Capital Strategies," *Record of the Society of Actuaries* 20(4A)21-36.

COHEN, J. 1989. "On the Compound Poisson Limit for High Level Exceedences," *Journal of Applied Probability*, 26:458-465.

COHEN, J. P. 1982. "Convergence Rates for the Ultimate and Penultimate Approximations in Extreme-Value Theory," *Advances in Applied Probability*, 14:324-339.

COLES, S. 2001. An Introduction to Statistical Modeling of Extreme Values. Springer, London.

CONT, R., AND P. TANKOV. 2004. *Financial Modelling with Jump Processes*. Chapman & Hall/CRC, London.

COOK, R. D. 1977. "Detection of Influential Observations in Linear Regression," *Technometrics*, 19:15-18.

CORCORAN, THOMAS R. 1994 "Academy Task Force Proposes New Risk-Based Capital Factors for Health Coverages," *The Financial Reporter*, Aug. 1994:1-4.

COWELL, MICHAEL J., ET AL. 1996. "Investments Under the Risk-Based Capital and Rating Agencies Requirements," *Record of the Society of Actuaries* 22(1):16 pp.

CUMMINS, J. DAVID, S. HARRINGTON, AND R. KLEIN. 1995. "Insolvency Experience, Risk-Based Capital, and Prompt Corrective Action in Property-Liability Insurance," *Journal of Banking and Finance* 19:511-528.

CUMMINS, J. DAVID, ET AL. 1997. "Regulatory Solvency Prediction in Property-Liability Insurance: Risk-Based Capital, Audit Ratios, and Cash Flow Simulation," Working Paper, June 14, 1997.

DAVIS, R. A. AND S. I. RESNICK. 1986. "More Limit Theory for the Sample Correlation Function of Moving Averages," *Stochastic Processes and their Applications*, 30:41-68.

DAVIS, R. A. AND S. I. RESNICK. 1986. "Limit Theory for the Sample Covariance and Correlation Functions for Moving Averages," *Annals of Statistics*, 14:533-558.

DAVISON, A., AND R. SMITH. 1990. "Models for Exceedances Over High Thresholds (with discussion)," *Journal of the Royal Statistical Society*, *B* 52:393-442.

DAWSON, JOHN DUANE, ET AL. 1993. "Product Development in the Age of Risk-Based Capital," *Record of the Society of Actuaries* 19(4A):2291-2312.

DAWSON, JOHN D. 1994. "Risk-Based Capital, Target Surplus, and Product Development," *NewsDirect*, Spring 1994:1-8.

DEAKINS, PETER B., ET AL. 1992. "Rating Agencies/Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 2:35-62, Society of Actuaries.

DHAENE, J., AND M. J. GOOVAERTS. 1996. "Dependency of Risks and Stop-Loss Order," *ASTIN Bulletin*, 26(2):201-212.

DIEBOLD, F., T. SCHUERMANN, AND J. STRONGHAIR. 2002. "Pitfalls and Opportunities in the Use of Extreme Value Theory in Risk Management," *Journal of Risk Finance* 1:30-36.

DRAPER, NORMAN R., AND HARRY SMITH. 1998. Applied Regression Analysis, Third Edition, John Wiley & Sons, New York.

ECKMAN, MICHAEL. 2000. "Statutory Reserving Update—Life Products," *Record of the Society of Actuaries* 26(3):17 pp.

EMBRECHTS, P., C. KLÜPPELBERG, AND T. MIKOSCH. 1997. *Modelling Extremal Events for Insurance and Finance*, Springer, Berlin.

EMBRECHTS, P., A. MCNEIL, AND D. STRAUMANN. 1998. "Correlation and Dependency in Risk Management: Properties and Pitfalls," *ETHZ Zurich*. 37 pages.

EMBRECHTS, P., A HOEING, AND A. JURI. 2001. "Using Copulae to Bound the Value-at-Risk for Functions of Dependent Risks," ETH Preprint.

EMBRECHTS, P. 2000. "The Bell Curve is Wrong: So What?," in *Extremes and Integrated Risk Management*, edited by P. Embrechts, pp. xxv-xxviii, Risk Waters Group.

EMBRECHTS, P., R. LINDSKOG, AND A. MCNEIL. 2001. "Modelling Dependence with Copulas and Applications to Risk Management." in *Handbook of heavy tailed distributions in finance*, S. Rachev (editor) pp. 329-384 Elsevier.

FALK, M. 1995. "On Testing the Extreme Value Index Via the POT Method," *Annals of Statistics*, 23:2013-2035.

FALK, M., J. HÜSLER, AND R. D. REISS. 2004. *Laws of Small Numbers: Extremes and Rare Events*, 2<sup>nd</sup> ed. Birkhäuser, Basel.

FAMA, E. F. 1965. "The Behavior of Stock Market Prices," *Journal of Business of the University of Chicago*, 38:34-105.

FEDERAL RESERVE BOARD. 2003. Differences in Capital and Accounting Standards Among the Federal Banking and Thrift Agencies, Report to Congress

FEIGIN, P. AND S. I. RESNICK. 1996. *Pitfalls of Fitting Autoregressive Models for Heavy-Tailed Time Series*. Preprint, School of Operations Research and Industrial Engineering, Cornell University.

FELDBLUM, SHOLOM. 1996. "NAIC Property/Casualty Insurance Company Risk-Based Capital Requirements," *Proceedings of the Casualty Actuarial Society* 83:297-435.

FELLER, W. 1946. "A Limit Theorem for Random Variables with Infinite Moments," *American Journal of Mathematics*, 68:257-262.

FORBES, CINDY L., ET AL. 1997. "Using Equities for Long-Term Liabilities," *Record of the Society of Actuaries* 21(2):447-460.

FORBES, HAROLD E., ET AL. 1997. "Life Modeling," *Proceedings of the Valuation Actuary Symposium*, Session 15:321-350, Society of Actuaries.

FRACHOT, A., T. RONCALLY, AND E. SALOMON. 2004. "The Correlation Problem in Operational Risk," preprint, Credit Lyonnais, France, http://gro.Creditlyonnais.fr/content/wp/lda-correlations.pdf.

FRÉCHET, M. 1957. "Les Tableaux de Corrélation dont les marges sont données," *Annales de l'Université de Lyon, Sciences Mathématiques et Astronomie, Serie A*, 4:13-31.

FREES, E. W. AND E. VALDEZ. 1998. "Understanding Relationships Using Copulas," *North American Actuarial Journal* 2(1):1-25.

GALAMBOS, J. 1987. *The Asymptotic Theory of Extreme Order Statistics*. Kreiger Publishing Co., Melbourne, FL.

GARMAN, M. B., AND M. J. KLASS. 1980. "On the Estimation of Security Price Volatilities from Historical Data," *Journal of Business of the University of Chicago* 53:67-78.

GENEST, C., AND J. MACKAY. 1986. "The Joy of Copulas: Bivariate Distributions with Uniform Marginals," *The American Statistician* 40:280-283.

GENEST, C., AND J. MACKAY. 1986. "Copules Archimédiennes et Familles de Lois Bidimensionell dont les Marges Sont Données," *The Canadian Journal of Statistics* 14:145-159.

GENEST, C., K. CHOUDI, AND L.-P. RIVEST. 1995. "A Semiparametric Estimation Procedure of Dependence Parameters in Multivariate Families of Distributions," *Biometrika* 82(3):543-552.

GENEST, C., AND L.-P. RIVEST. 1993. "Statistical Inference Procedures for Bivariate Archimedean Copulas," *Journal of the American Statistical Association* 88(423):1034-1043.

GERONTIDIS, I., AND R. L. SMITH. 1982. Monte Carlo Generation of Order Statistics from General Distributions," *Applied Statistics*, 31:238-243.

GIESECKE, KAY. 2003. "A Simple Exponential Model for Dependent Defaults," *Journal of Fixed Income* 13(3):74-83.

GOLDIE, C. M., AND R. A. MALLER. 1996. "A Point Process Approach to Almost Sure Behavior of Record Values and Order Statistics," *Advances in Applied Probability* 28:426-462.

GOODMAN, L., AND W. KRUSKAL. 1963. "Measures of Association for Cross-Classifications. iii: Approximate Sample Theory," *Journal of the American Statistical Association*, 58:310-364.

GORSKI, LARRY M., ET AL. 1999. "The Risk-Based Capital C-3 (Interest Rate) Project," *Record of the Society of Actuaries* 25(3):18 pp.

GORSKI, LARRY M., ET AL. 2001. "Follow-up to Risk-Based Capital C-3 Component Methodology Change," *Record of the Society of Actuaries* 27(2):24 pp.

GRIFFITHS, R., R. K. MILNE, AND R. WOOD. 1979. "Aspects of Correlation in Bivariate Poisson Distributions and Processes," *Australian Journal of Statistics*, 21(3):238-255.

HAMILTON, J. D. 1990. "Analysis of Time Series Subject to Changes in Regime," *Journal of Econometrics*, 45:39-70.

HARTMAN, DAVID G. ET AL. 1992. "Property-Casualty Risk-Based Capital Requirement: A Conceptual Framework," *Casualty Actuarial Society Forum*, Spring 1992:211-280.

HEMPHILL, GRANT. 1993. "Marginal Risk-Based Capital," Small Talk, June 1993:4-5.

HEMPHILL, GRANT. 1994. "Product Development in the Age of Risk-Based Capital," *NewsDirect*, Winter 1993-94:1-5.

HEYDE, C. C. 1967. "On Large Deviation Problems for Sums of Random Variables Not Attracted to the Normal Law," *Annals of Mathematical Statistics* 38:1575-1578.

HILL, B. M. 1975. A Simple General Approach to Inference About the Tail of a Distribution," *Annals of Statistics* 3:1163-1174.

HILL, NORMAN E., ET AL. 1995. "Managing the Balance Sheet," *Record of the Society of Actuaries* 21(2):399-418.

HILL, NORMAN E. 1996. "Risk-Based Capital Ratios," *Record of the Society of Actuaries* 22(2):11 pp.

HINES, K. 2002. "Risks Considerations for the Allfinanz Organization," *Casualty Actuarial Society Forum*, Spring 2002:1-28.

HODES, DOUGLAS M., AND SHOLOM FELDBLUM. 1996. "Interest Rate Risk and Capital Requirements for Property/Casualty Insurance Companies," *Proceedings of the Casualty Actuarial Society*, 83:490-562.

HOEFFDING, W. 1940. "Massstabinvariante Korrelationstheorie," *Schriften des Mathematischen Seminars und des Instituts für Angewandte Mathematik de Universität Berlin* 5:181-233.

HOMER, D. L., AND D. R. CLARK. 2003. "Insurance Applications of Bivariate Distributions," *Proceedings of the Casualty Actuarial Society*, 90:274-307.

HONG, Y. 2003. "Detecting Extreme Risk Spillover Between Financial Markets," http://www.vanderbilt.edu/econ/sempapers/Hong1.pdf 32 pages.

HOOGHIEMSTRA, G., AND L. E. MEESTER. 1996. "Computing the Extremal Index of Special Markov Chains and Queues," *Stochastic Processes and their Applications* 65:171-185.

HÖPFNER, R. 1996. "On Tail Parameter Estimation in Certain Point Process Models," *Journal of Statistical Planning and Inference* 60:169-187.

HOSKING, J. R. M., J. R. WALLIS, AND E. F. WOOD. 1985. "Estimation of the Generalized Extreme-Value Distribution by the Method of Probability-Weighted Moments," *Technometrics* 27:251-261.

HSING, T. 1988. "On the Extreme Order Statistics for a Stationary Sequence," *Stochastic Processes and their Applications* 29:155-169.

HSING, T., J. HÜSLER, AND M. R. LEADBETTER. 1988. "On the Exceedance Point Process for a Stationary Sequence," *Probability Theory and Related Fields* 78:97-112.

HSING, T. 1991. "Estimating the Parameters of Rare Events," *Stochastic Processes and their Applications* 37:117-139.

HSING, T. 1991. "On Tail Index Estimation Using Dependent Data," *Annals of Statistics* 19:1547-1569.

HSING, T. 1993. "On Some Estimates Based on Sample Behavior Near High Level Excursions," *Probability Theory and Related Fields* 95:331-356.

HSING, T. 1995. "Limit Theorems for Stable Processes with Applications to Spectral Density Estimation," *Stochastic Processes and their Applications* 57:39-71.

HSING, T. 1995. "A Note on the Asymptotic Independence of the Sum and Maximum of Strongly Mixing Stationary Random Variables," *Annals of Probability* 23:938-947.

HULT, H., AND F. LINDSKOG. 2001. "Multivariate Extremes, Aggregation and Dependence in Elliptical Distributions," ETH Preprint.

HUTCHINGS, PETER L., ET AL. 1995. "Using Equities for Long-Term Liabilities," *Record of the Society of Actuaries*, 21(1):549-566.

IMAN, R. AND W. CONOVER. 1982. "A Distribution-Free Approach to Inducing Rank Correlation Among Input Variables," *Communications in Statistics: Computation and Simulation*, 11(3):311-334.

INTERNATIONAL ASSOCIATION OF INSURANCE SUPERVISORS. 2002. Report on Solvency, Solvency Assessment and Actuarial Issues and Some of Their Practical Applications. IAIS SubCommittee on Solvency and Actuarial Issues, http://www.iaisweb.org/08151istansolv.pdf.

JAFFEE, D. M., AND T. RUSSELL. 1996. Catastrophe Insurance, Capital Markets, and Uninsurable Risks," in J. D. Cummins (editor) *Proceedings of the Conference on Risk Management in Insurance Firms*, Financial Institutions Center, The Wharton School, Philadelphia.

JAY, BURTON D., ET AL. 2001. "Current Risk-Based Capital Developments for Disability Income, Long-Term Care, and Stop Loss," *Record of the Society of Actuaries* 27(1):23 pp.

JAY, BURTON D., ET AL. 1998. "Health Organization Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 13PD:343-368, Society of Actuaries.

JAY, BURTON D., ET AL. 1998. "Risk-Based Capital—An Update," *Record of the Society of Actuaries* 24(3):22 pp.

JAY, BURTON D., ET AL. 1999. "Health Organization Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 12:26 pp., Society of Actuaries.

JENKINSON, A. F. 1969. "Statistics of Extremes," in *Estimation of Maximum Flood, Technical Note* 98:183-227. World Meteorological Organization, Geneva.

JOAG-DEV, K. 1984. "Measures of Dependence," in *Handbook of Statistics*, edited by P. R. Krishnaiah, 4:79-88, North Holland/Elsevier, New York.

JOE, H. 1987. "Estimation of Quantiles of the Maximum of N Observations," *Biometrika* 74:347-354.

JOE, H. 1997. *Multivariate Models and Dependence Concepts*. Chapman and Hall, London.

KAGAN, Y. Y. 1994. "Observational Evidence for Earthquakes as a Non-Linear Process," *Physica D* 77:160-192.

KAGAN, Y. Y. 1996. *Earthquake Size Distribution and Earthquake Insurance: Technical Report.* Institute of Geophysics and Planetary Physics, UCLA.

KAGAN, Y. Y., AND D. VERE-JONES. 1996. "Problems in the Modelling and Statistical Analysis of Earthquakes," in Heyde, C. C., Yu. V. Prokhorov, R. Pyke, and S. T. Rachev (editors) *Proceedings of the Athens International Conference on Applied Probability and Time Series, vol. 1: Applied Probability* 398-425. Springer, Berlin.

Kallsen, J. and P. Tankov. 2004. "Characterization of Dependence of Multidimensional Lévy Processes Using Lévy Copulas," preprint, Technische Universität München, 24 pages.

KIMELDORF, G., AND A. R. SAMPSON. 1978. "Monotone Dependence," *Annals of Statistics*, 6:895-903.

KIRSCHNER, GERALD S. 2002. "Two Approaches to Calculating Correlated Reserve Indications Across Multiple Lines of Business," *Casualty Actuarial Society Forum*, Fall 2002:211-246.

KIST, FREDERICK O., ET AL. 1994. "Risk-Based Capital: Industry Implications," *Record of the Society of Actuaries* 20(1):15-34.

KLUGMAN, S. A., H. H. PANJER, AND G. E. WILMOT. 1998. Loss Models, From Data to Decisions, John Wiley & Sons.

KLUGMAN, S. A. AND R. PARSA. 1999. "Fitting Bivariate Loss Distributions with Copulas," *Insurance: Mathematics and Economics*, 24:139-148.

KLÜPPELBERG, C., AND T. MIKOSCH. 1997. "Large Deviations of Heavy-Tailed Random Sums with Applications to Insurance and Finance," *Journal of Applied Probability* 34:293-308.

KLÜPPELBERG, C., AND J. A. VILLASEÑOR. 1993. "Estimation of the Distribution Tails: A Semiparametric Approach," *Blätter der DGVM* 21:213-235.

KNAPP, DARREL D. 1993. "Solvency Standards for HIPC Concepts," *Health Section News*, Aug. 1993:1-3.

KNAPP, DARREL D., ET AL. 1995. "Risk-Based Capital: Health Organizations," *Record of the Society of Actuaries* 21(4A):203-216.

KOLKMAN, PAUL F., ET AL. 1994. "Risk-Based Capital: An International Perspective," *Record of the Society of Actuaries* 20(1):589-616.

KRUSKAL, W. 1958. "Ordinal Measures of Association," *Journal of the American Statistical Association* 53:814-861.

KÜCHLER, U., K. NEUMANN, M. SØRENSEN, AND A. STRELLER. 1994. *Stock Returns and Hyperbolic Distributions*. *Discussion Paper 23*. Humboldt Universität, Berlin.

LEADBETTER, M. R., G. LINDGREN, AND H. ROOTZÉN. 1983. Extremes and Related Properties of Random Sequences and Processes. Springer, Berlin.

LEE, L. 1979. "Multivariate Distributions Having Weibull Properties," *Journal of Multivariate Analysis*, 9:267-277.

LINDSKOG, F. AND A. MCNEIL. 2003. "Common Poisson Shock Models: Applications to Insurance and Credit Risk Modeling," *ASTIN Bulletin* 33(2):209-238.

LONGIN, F. 1996. "The Asymptotic Distribution of Extreme Stock Market Returns," *Journal of Business* 63:383-408.

LONGLEY-COOK, ALASTAIR, ET AL. 2001. "Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 20PD:28 pp., Society of Actuaries.

LORETAN, M., AND C. B. PHILLIPS. 1994. "Testing the Covariance Stationarity of Heavy-Tailed Time Series: An Overview of the Theory with Applications to Several Financial Instruments," *Journal of Empirical Finance* 1:211-248.

LOYNES, R. M. 1965. "Extreme Values in Uniformly Mixing Stationary Stochastic Processes," *Annals of Mathematical Statistics* 36:993-999.

LUCKNER, WARREN R., ET AL. 1996. "Use of Derivatives by the Insurance Industry," *Record of the Society of Actuaries* 22(3):29 pp.

MADSEN, CHRIS K. 2002. "Does the NAIC Risk-Based Capital Suffice? And Are Property & Casualty Insurance Company Asset Allocations Rational?" *Casualty Actuarial Society Forum*, Summer 2002:175-196.

MAKAROV, G. 1981. "Estimates for the Distribution Function of a Sum of Two Random Variables When the Marginal Distributions are Fixed," *Theory of Probability and Its Applications* 26:803-806.

MANDELBROT, B. 1963. "The Variation of Certain Speculative Prices," *Journal of Business of the University of Chicago* 36:394-419.

MANGO, DONALD F. AND JAMES C. SANDOR. 2002. "Dependence Models and the Portfolio Effect," *Casualty Actuarial Society Forum*, Winter 2002:57-72.

Mann, N. R. 1984. "Statistical Estimation of Parameters of the Weibull and Fréchet Distribution," in Tiago de Olivera, J. (editor) *Statistical Extremes and Applications*, pp. 81-89. Reidel, Dordrecht.

MARSHALL, A. W. 1996. "Copulas, Marginals and Joint Distributions," in *Distributions with Fixed Marginals and Related Topics*, edited by L. Rüschendorff, B. Schweizer, and M. E. Taylor, pp. 213-222. Institute of Mathematical Statistics, Hayward, CA.

MASHAL, R., AND A. ZEEVI. 2002. "Beyond Correlation: Extreme Co-movements Between Financial Assets," preprint, Columbia University Business School.

MASON, D. M. 1982. "Laws of Large Numbers for Sums of Extreme Values," *Annals of Probability* 10:756-764.

MCNEIL, A. 1997. "Estimating the Tails of Loss Severity Distributions Using Extreme Value Theory," *ASTIN Bulletin* 27:117-137.

MEYERS, GLENN G. 1999. "A Discussion of Aggregation of Correlated Risk Portfolios: Models and Algorithms, by Shaun Wang," *Proceedings of the Casualty Actuarial Society*, 85:781-805.

MEYERS, GLENN G. 1999. "Estimating Between Line Correlations Generated by Parameter Uncertainty," *Casualty Actuarial Society Forum*, Summer 1999:197-222.

MEYERS, GLENN G., FREDERICK L. KLINKER, AND DAVID A. LALONDE. 2003. "The Aggregation and Correlation of Insurance Risk," *Casualty Actuarial Society Forum*, Summer 2003:15-82.

MEYERS, GLENN G., STEPHEN J. MILDENHALL, DAVID L. HOMER, HANS E. WASZINK, ET AL. 2006. "The Report of the Working Party on Correlations and Dependencies Among All Risk Sources," *Casualty Actuarial Society Forum*, Winter, 2006:101-276.

MIKOSCH, T. 1998. "Periodogram Estimates from Heavy-Tailed Data," in Adler, R., R. Feldman, and M. S. Taqqu (editors) *A Practical Guide to Heavy Tails: Statistical Techniques and Applications*. pp. 241-258 Birkhäuser, Boston.

MILDENHALL, S. J. 2002. SCARE: Simulating Correlated Aggregation and Risk Engine User's Guide. http://www.mynl.com/wp.

MODUGNO, VICTOR, ET AL. 2000. "Indexed Separate Accounts," *Record of the Society of Actuaries* 26(3):17 pp.

MODUGNO, VICTOR, ET AL. 2000. "Liquidity Management for Life Insurers with Institutional Business," *Record of the Society of Actuaries* 26(1):24 pp.

MORGAN STANLEY & Co. 1993. Risk Based Capital for Life Insurers, Course F-580 Study Note, Society of Actuaries.

MUELLER, HUBERT, ET AL. 2000. "Risk-Based Capital C-3 Testing," *Proceedings of the Valuation Actuary Symposium*, Session 120F:1-23, Society of Actuaries.

MUELLER, MARK, AND STEPHEN REDDY. 1993. "Risk-Based Capital for Life Insurers: Part I. Summary of Provisions," *Risks and Rewards* 16 (Aug. 1993):6-7.

MUELLER, MARK, AND STEPHEN REDDY. 1993. "Risk-Based Capital for Life Insurers: Part II. Assessing the Impact," *Risks and Rewards* 17 (Nov. 1993):6-7.

MÜLLER, A. AND N. BÄUERLE. 1998. "Modelling and Comparing Dependencies in Multivariate Risk Portfolios," *ASTIN Bulletin* 28(1):59-76.

MÜLLER, U. A., ET AL. 1990. "Statistical Study of Foreign Exchange Rates, Empirical Evidence of a Price Change Scaling Law, and Intraday Analysis," *Journal of Banking and Finance* 14:1189-1208.

NAGAEV, S. V. 1979. "Large Deviations of Sums of Random Variables," *Annals of Probability* 7:745-789.

NAGARAJA, H. N. 1988. "Record Values and Related Statistics – A Review," *Communications in Statistical Theory and Methods* 17:2223-2238.

National Association of Insurance Commissioners. 2005. Risk-Based Capital General Overview. Technical Report, Capital Adequacy Task Force

NELSEN, R. B. 1987. "Discrete Bivariate Distributions with Given Marginals and Correlation," *Communications in Statistics – Simulation* 16(1):199-208.

NELSEN, R. B. 1999. An Introduction to Copulas. Springer, New York.

NEWELL, G. F. 1964. "Asymptotic Extremes for m-Dependent Random Variables," *Annals of Mathematical Statistics* 35:1322-1325.

NOLAN, J. 2001. Stable Distributions: Models for Heavy-Tailed Data. Birkhäuser, Boston.

NOVAK, DONNA C., ET AL. 1996. "Risk-Based Capital According to the National Association of Insurance Commissioners (NAIC)," *Record of the Society of Actuaries* 22(3):28 pp.

NOVAK, DONNA C., ET AL. 1997. "Health Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 8:209-230, Society of Actuaries.

NOVAK, DONNA C., ET AL. 1998. "Risk-Based Capital for Health Organizations," *Record of the Society of Actuaries* 24(2):20 pp.

O'BRIEN, G. L. 1974. "Limit Theorems for the Maximum Term of a Stationary Process," *Annals of Probability* 2:540-545.

O'BRIEN, G. L. 1980. "A Limit Theorem for Sample Maxima and Heavy Brances in Galton-Watson Trees," *Journal of Applied Probability* 17:539-545.

O'Brien, G. L. 1987. "Extreme Values for Stationary and Markov Sequences," *Annals of Probability* 15:281-291.

OLSEN, CANDE, ET AL. 1992. "Risk-Based Capital," *Record of the Society of Actuaries* 18(4A):1707-.

OLSEN, CANDE. 1997. "Risk-Based Capital for 1997 and Beyond," *The Financial Reporter*, Dec. 1997:11-12.

OLSEN, CANDE, ET AL. 1998 "Proposed Changes to the Statutory Risk-Based Capital Requirements," *Record of the Society of Actuaries* 24(3):19 pp.

PANJER, H. H. 1981. "Recursive Evaluation of a Family of Compound Distributions," *ASTIN Bulletin*, 12(1):22-26.

PEABODY, J. LYNN, ET AL. 1994. "Asset/Liability Management: The Banker's Way," *Record of the Society of Actuaries* 20(4B):853-871.

PERKINS, PETER L., ET AL. 1995. "Health Organization Risk-Based Capital," *Proceedings of the Valuation Actuary Symposium*, Session 4:83-111, Society of Actuaries.

PERRY, P. R. 1983. "More Evidence on the Nature of the Distribution of Security Returns," *Journal of Financial Quantitative Analysis* 18:211-221.

PETROV, V. V. 1965. "On the Probabilities of Large Deviations of the Sums of Independent Random Variables," *Theory of Probability and Its Applications* 10:287-298.

D. PFEIFER, AND J. NEŠLEHOVÁ. 2004. "Modeling and Generating Dependent Risk Processes for IRM and DFA," *ASTIN Bulletin* 34(2):333-360.

D. PFEIFER, AND J. NEŠLEHOVÁ. 2003. "Modeling Dependence in Finance and Insurance: the Copula Approach," *Blätter der deutschen Gesellschaft für Versicherungs- und Finanzmathematik, Bd. XXVI/2.* 

PICKANDS, J. III. 1975. "Statistical Inference Usin Extreme Order Statistics," *Annals of Statistics* 3:119-131.

PICTET, O. V., M. M. DACORAGNA, AND U. A. MÜLLER. 1998. "Behavior of the Tail Estimation Under Various Distributions," in Adler, R., R. Feldman, and M. S. Taqqu (editors) *A Practical Guide to Heavy Tails: Statistical Techniques and Applications*. Birkhäuser, Boston.

PRESCOTT, P., AND A. T. WALDEN. 1980. "Maximum Likelihood Estimation of the Parameters of the Three-Parameter Generalized Extreme-Value Distribution," *Biometrika* 67:723-724.

PRESCOTT, P., AND A. T. WALDEN. 1983. "Maximum Likelihood Estimation of the Parameters of the Three-Parameter Generalized Extreme-Value Distribution from Censored Samples," *Journal of Statistical Computation and Simulation* 16:241-250.

PRESTON, STEPHEN J., ET AL. 1999. "Variable Annuities and Segregated Funds—Guaranteed Benefits Valuation Issues," *Record of the Society of Actuaries* 25(3):18 pp.

RAYMOND, CRAIG R., ET AL. 1996. "Strategic Management of Insurance Company Risk," *Record of the Society of Actuaries* 22(3):29 pp.

REISS, R.-D. 1987. "Estimating the Tail Index of the Claim Size Distribution," *Blätter der DGVM* 18:21-25.

REISS, R.-D., AND J. THOMAS. 2001. Statistical Analysis of Extreme Values. Birkhäuser, Basel.

RESNICK, S. I. 1987. Extreme Values, Regular Variation and Point Processes. Springer, New York.

RESNICK, S. I. 1987. "Why Non-Linearities Can Ruin the Heavy-Tailed Modeller's Day," in Adler, R., R. Feldman, and M. S. Taqqu (editors) *A Practical Guide to Heavy Tails: Statistical Techniques and Applications*. Birkhäuser, Boston.

ROBBINS, EDWARD L., ET AL. 1993. "The New Risk-Based Capital Requirement—More Good Than Harm?" *Record of the Society of Actuaries* 19(2):1377-1402.

ROCKAFELLAR, R. T., AND S. URYASEV. 2001. "Conditional Value-at-Risk for General Loss Distributions," *Journal of Banking & Finance* 26(7):1443-1471.

ROEMELT, GREGORY J., ET AL. 1996. "Asset Modeling Specifics," *Record of the Society of Actuaries* 22(1):22 pp.

ROGERS, L. C. G., AND S. E. SATCHELL. 1991. "Estimating Variance from High, Low and Closing Prices," *Annals of Applied Probability* 1:504-512.

ROMANO, C. 2002. "Calibrating and Simulating Copula Functions: An Application to the Italian Stock Market," Working Paper No. 12/2002, CIDEM, University of Rome, 23 pages.

ROOTZÉN, H., M. R. LEADBETTER, AND L. DE HAAN. 1992. "Tail and Quantile Estimators for Strongly Mixing Stationary Processes," Report, Department of Statistics, University of North Carolina.

SABATINI, FRANCIS P. 1996. "Update on Managing Risk Based Capital," Presented to the Insurance Accounting and Systems Association, June 3, 1996.

SCARSINI, M. 1984. "On Measures of Concordance," Stochastica 8:201-218.

SCHWEIZER, B., AND E. WOLFF. 1981. "On Nonparametric Measures of Dependence for Random Variables," *Annals of Statistics* 9:879-885.

SEGERDAHL, C.-O. 1955. "When Does Ruin Occur in the Collective Theory of Risk?," *Skandinavisk Aktuarie Tidskrift* 38:22-36.

SERFOSO, R. 1982. "Functional Limit Theorems for Extreme Values of Arrays of Independent Random Variables," *Annals of Probability* 10:172-177.

SHIGLEY, KLAUS O. 1992. "Unit Expense Factors for Risk-Based Capital Requirements," *Product Development News*, Dec. 1992:1-5.

SIBUYA, M. 1961. "Bivariate Extreme Statistics," *Annals of Mathematical Statistics* 11:195-210.

SKLAR, A. 1996. "Random Variables, Distribution Functions, and Copulas: A Personal Look Backward and Forward," in *Distributions with Fixed Marginals and Related Topics*, edited by L. Rüschendorff, B. Schweizer, and M. E. Taylor, pp. 213-222. Institute of Mathematical Statistics, Hayward, CA.

SMITH, BRADLEY M. 1993. "Repositioning for Risk-Based Capital?" *The Financial Reporter*, Oct. 1993:1-6.

SMITH, R. L. 1982. "Uniform Rates of Convergence in Extreme-Value Theory," *Advances in Applied Probability* 14:600-622.

SMITH, R. L. 1985. "Statistics of Extreme Values," Bulletin ISI LI (Book 4) Paper 26.1.

SMITH, R. L. 1985. "Maximum Likelihood Estimation in a Class of Non-Regular Cases," *Biometrika* 72:67-90.

SMITH, R. L. 1986. "Extreme Value Theory Based on the r Largest Annual Events," *Journal of Hydrology* 86:27-43.

SMITH, R. L. 1987. "Estimating Tails of Probability Distributions," *Annals of Statistics* 15:1174-1207.

SMITH, R. L. 1988. "A Counterexample Concerning the Extremal Index," *Advances in Applied Probability* 20:681-683.

SMITH, R. L., J. A. TAWN, AND S. G. COLES. 1996. "Markov Chain Models for Threshold Excedances," Preprint, Department of Statistics, University of North Carolina.

SMITH, R. L., AND I. WEISSMAN. 1994. "Estimating the Extremal Index," *Journal of the Royal Statistical Society Series B* 56:515-528.

SORNETTE, D., P. SIMONETTI, AND J. V. ANDERSEN. 2000. "φ<sup>q</sup>-field Theory for Portfolio Optimization: "Fat-Tails" and Non-Linear Correlations (Working Title: Non-Linear Covariance Matrix and Portfolio Theory for Non-Gaussian Multivariate Distributions)," *Physics Report*, 335(2):19-92.

STEIN, E., AND C. STEIN. 1991. "Stock Price Distributions with Stochastic Volatility: An Analytic Approach," *Reviews of Financial Studies* 4:727-752.

SUMMERS, SHELDON D., ET AL. 2000. "Statutory Reporting Current National Association of Insurance Commissioners Developments," *Record of the Society of Actuaries* 26(2):20 pp.

SUNDT, BJØRN. 1999. "On Multivariate Panjer Recursions," ASTIN Bulletin, 29:29-45.

SUTTON, JR., HARRY L., ET AL. 1995. "Health Risk-Based Capital: Pricing and Financial Implications," *Record of the Society of Actuaries* 21(3A):291-308.

TAN, JOSEPH H., ET AL. 1992. "Recent NAIC Developments Related to MSVR and Risk-Based Capital and Their Impact on Investment Strategies," *Record of the Society of Actuaries* 18(4A):1667-1686.

TAWN, J. A. 1988. "An Extreme-Value Model for Dependent Observations," *Journal of Hydrology* 101:227-250.

TEUGELS, J. L. 1981. "Remarks on Large Claims," *Bulletin of the Institute of International Statistics* 49:1490-1500.

TEUGELS, J. L. 1984. "Extreme Values in Insurance Mathematics," in Tiago de Olivera, J. (editor) *Statistical Extremes and Applications*, pp. 81-89. Reidel, Dordrecht.

TJØSTHEIM, D. 1996. "Measures of Dependence and Tests of Independence," *Statistics* 28:249-284.

VENTER, G. G. 2002. "Tails of Copulas," *Proceedings of the Casualty Actuarial Society*, 89:68-113.

VITALE, R. 1990. "On Stochastic Dependence and a Class of Degenerate Distributions," *Topics in Statistical Dependence*, Edited by H. Block, A. Sampson, and T. Savits. Institute of Mathematical Statistics, Hayward, CA.

WALHIN, JEAN-FRANÇOIS. 2003. "On the Optimality of Multiline Excess Covers," *Casualty Actuarial Society Forum*, Spring 2000:231-243.

WANG, S. 1998. "Aggregation of Correlated Risk Portfolios: Models and Algorithms," *Proceedings of the Casualty Actuarial Society*, 85:848-939.

WANG, S., AND J. DHAENE. 1998. "Comonoticity, Correlation Order and Premium Principles," *Insurance: Mathematics and Economics* 22:235-242.

WANG, S. 2000. "A Class of Distortion Operators for Pricing Financial and Insurance Risks," *Journal of Risk and Insurance*, 67(1):15-36.

WEISSMAN, I. 1978. "Estimation of Parameters and Large Quantiles Based on the Largest k Observations," *Journal of the American Statistical Association*, 73:812-815.

WILKINSON, M. E. 1982. "Estimating Probable Maximum Loss with Order Statistics," *Proceedings of the Casualty Actuarial Society*, 69:195-209.

WIRCH, L. AND M. HARDY. 1999. "A Synthesis of Risk Measures for Capital Adequacy," *Insurance: Mathematics and Economics* 25:337-347.

WISEBLATT, PERRY L., ET AL. 1997. "Managing Risk-Based Capital (RBC)," *Record of the Society of Actuaries* 23(3):26 pp.

YOUNG, MELVILLE J., ET AL. 1997. "Surplus Management Strategies," *Record of the Society of Actuaries* 21(2):83-94.

ZEHNWIRTH, BEN. 1994. "Probabilistic Development Factor Models with Applications to Loss Reserve Variability, Prediction Intervals, and Risk-Based Capital," *Casualty Actuarial Society Forum*, Spring 1994:447-606.

ZURCHER, MICHAEL L., ET AL. 1996. "Quantification of C-3 Risk (vs. Risk-Based Capital): Developing a Methodology/Table," *Proceedings of the Valuation Actuary Symposium*, Session 20:341-373, Society of Actuaries.