

PUBLICATIONS

Niels C. Lind

Total number of publications in refereed scientific journals: 122

Total number of refereed publications appearing in full in conference proceedings: 78

Other publications: 4 books, 60 articles.

0. BOOKS:

- 0.4 Nathwani, J.S., Lind, N.C. and Pandey, M.D. 1997. *Affordable Safety By Choice: The Life Quality Method*, Institute for Risk Research, Univ. of Waterloo, Waterloo, ON, , xv + 230 pp.
- 0.3 Nathawani, J.S., Siddall, E. and Lind, N.C. 1991. *Energy for 300 Years*, Institute for Risk Research, Univ. of Waterloo, Waterloo, ON, , x + 242 pp.
- 0.2 Lind, N.C., Nathwani, J.S. and Siddall, E. *Managing Risks in the Public Interest*, Institute for Risk Research, Univ. of Waterloo, Waterloo, ON, 1991, x + 242 pp.
- 0.1 Madsen, H.O., Krenk, S. and Lind, N.C. 1986. *Methods of Structural Safety*, Prentice-Hall Book Co., Inc., Englewood Cliffs, N.J., viii + 403 pp. Reprinted by Dover Books, Inc. 2006.

1. PUBLICATIONS IN REFEREED SCIENTIFIC JOURNALS:

- 1.98 Lind, N. 2006. Discounting risks in the far future, *Reliability Engineering & System Safety*, (accepted 1 Sep 2006).
- 1.97 Lind, N. and Thedeen, T. 2007. Consent probability, *International Journal of Risk Assessment and Risk Management*.
- 1.96 Lind, N. 2007. Turning life into life expectancy: The efficiency of life-saving interventions, *International Journal of Risk Assessment and Risk Management*.
- 1.95 Pandey, M.D., Nathwani, J.S. and Lind, N.C. 2006. The derivation and calibration of the Life Quality Index (LQI) from economic principles, *Structural Safety*, 28, 341-360.
- 1.94 Lind, N.C., Hartford, D.N.D. and Assaf, H. 2004. Probability of human instability in a flooding, *Journal of the American Water Resources Association*, 40,1, 89-96.
- 1.93 Lind, N.C. 2004. Values reflected in the human development index, *Social Indicators Research*, 66, 283-293.
- 1.92 Lind, N.C. 2003. Three criteria of acceptable risk, *Structural Concrete*, 4, 1, 13-18.
- 1.91 Lind, N. 2002. Social and economic criteria of acceptable risk, *Reliability Engineering and System Safety*, 78, 1, 21-26.
- 1.90 Lind, N. 2002. Time effects in criteria for acceptable risk, *Reliability Engineering and System Safety*, 78, 1, 27-31.
- 1.89 Lind, N.C. 1996. Three information-theoretical methods to estimate a random variable, *Journal of Environmental Management*, 47.
- 1.88 Hong, H.P. and Lind, N.C. 1996. Approximate reliability analysis using normal polynomials and sim. results, *Structural Safety*, (accepted).
- 1.87 Hong, H.P. and Lind, N.C. 1996. Estimating design quantiles from scarce data, *Canadian Journal of Civil Engineering*, 23, 5, 1025-1029.

- 1.86 Lind, N.C. 1996. Vulnerability of multiple barrier systems, *Nuclear Safety*, 37, 2, 139-148.
- 1.85 Lind, N.C. 1996. Life quality measures of smoking, *Social Indicators Research*, 36, 1-12.
- 1.84 Lind, N.C. 1996. Validation of probabilistic models, *Civil Engineering Systems*, 13, 175-183.
- 1.83 Lind, N.C. 1995. A Measure of vulnerability and damage tolerance, *Reliability Analysis and System Safety*, 48, 1-6.
- 1.82 Lind, N.C. 1995. Policy goals for health and safety, *Risk Analysis*, 15, No. 6, 639-644.
- 1.81 Lind, N.C. 1994. Information theory and maximum product of spacings estimation, *Journal of the Royal Statistical Society, Series B*, 56, 1, 341-343.
- 1.80 Solana, V. and Lind, N.C. 1993. Relative entropy method using tail fractiles, *Reliability Engineering and System Safety*, 40, 61-67.
- 1.79 Lind, N.C. and Nathwani, J.S. 1992. Optimal safety levels via social indicators, *Transactions of the American Nuclear Society*, 65, 6/92, 521-522.
- 1.78 Lind, N.C. 1992. A compound index of national development, *Social Indicators Research*, 28, 325-342.
- 1.77 Lind, N.C. 1992. Applications-oriented least information estimation, *Journal of Scientific and Industrial Research*, 51, 8 & 9, 589-592.
- 1.76 Lind, N.C. 1991. Some thoughts on the human development index, *Social Indicators Research*, 25, 107-119.
- 1.75 Tantawi, H.M., Nowak, A.S., and Lind, N.C. 1991. Point distribution methods for bridge reliability analysis, *Forensic Engineering*, 3, 2/3, 137-145.
- 1.74 Cano, V.P. and Lind, N.C. 1991. Citation life cycles of ten citation classics, *Scientometrics*, 22, 2, 297-312.
- 1.73 Lind, N.C., Nathwani, J. S., and Siddall, E. 1991. Management of risk in the public interest, *Canadian Journal of Civil Engineering*, 18, 446-453.
- 1.72 Lind, N.C. and Hong, H.P. 1990. Tail entropy approximations, *Structural Safety*, 10, 297-306.
- 1.71 Lind, N.C. and Hong, H. P. 1991. Entropy estimation of hydrological extremes, *Stochastic Hydrology and Hydraulics*, 5, 77-87.
- 1.70 Lind, N.C. and Solana, V. 1990. Fractile constrained entropy estimation of distributions based on scarce data, *Civil Engineering Systems*, pp. 87-93.
- 1.69 Lind, N.C., Hong, H.-P. and Solana, V. 1989. A Cross entropy method for flood frequency analysis, *Stochastic Hydrology and Hydraulics*, 3, 191-202.
- 1.68 Yin, X., Hipel, K. and Lind, N.C. 1988. Conflict analysis of the LNG terminal siting dispute in the Netherlands, *Energy*, 13, 9, 725-737.
- 1.67 Lind, N.C. 1988. A design formula for glass in buildings, *Canadian Journal of Civil Engineering*, 15, 1028-1034.
- 1.66 Lind, N.C. 1987. Calibration basis for structural glass design, *Canadian Journal of Civil Engineering*, 14, 6, 788-806.
- 1.65 Lind, N.C. and Nowak, A.S. 1988. Pooling expert opinions on probability distributions, *Journal of Engineering Mechanics (ASCE)*, 114, 2.
- 1.64 Lind, N.C. and Chen, X. 1987. Consistent distribution parameter estimation for reliability analysis, *Structural Safety*, 4, 141-149.
- 1.63 Grauslund, H. and Lind, N.C. 1986. A normal probability integral and some applications, *Structural Safety*, 4, 1, 31-40.

- 1.62 Lind, N.C. 1986. Approximate strength analysis for glass plates, *Journal of Structural Engineering, ASCE*, 112, 7, 1704-1720.
- 1.61 Chen, X. and Lind, N.C. 1985. A new method of quasi-static bifurcation analysis and the related variational theorem, *Transactions of the CSME*, 9, 1, 26-31.
- 1.60 Karmeshu, Lind, N.C. and Cano, V. 1984. Rationales for Bradford's Law, *Scientometrics*, 6, 4, 233-241.
- 1.59 Lind, N.C. 1983. Modelling of uncertainty in discrete dynamical systems, *Applied Mathematical Modelling*, 7, 146-152.
- 1.58 Chen, X and Lind, N.C. 1983. Fast probability integration by three- parameter normal tail approximation, *Structural Safety*, 1, 269-276.
- 1.57 Lind, N.C. 1983. Models of human error in structural reliability, *Structural Safety*, 1, 167-175.
- 1.56 Grigoriu, M. and Lind, N.C. 1982. Probabilistic models for prototype testing, *Journal of the Structural Division, ASCE*, 108, ST7, Proc. Paper 17214, 1511-1525.
- 1.55 Madsen, P. H. and Lind, N.C. 1982. Bayesian approach to prototype testing, *Journal of the Structural Division, ASCE*, 108, ST4, Proc. Paper 17023, 753-770.
- 1.54 Grigoriu, M. and Lind, N.C. 1980. Optimal estimation of convolution integrals, *Journal of the Engineering Mechanics Division, ASCE*, 106, EM6, Proc. Paper 15940, 1349-1364.
- 1.53 Nowak, A.S. and Lind, N.C. 1979. Practical bridge code calibration, *Journal of the Structural Division, ASCE*, Vol. 105, No. ST12, Proc. Paper 15061, Dec., pp. 2497-2510.
- 1.52 Lind, N.C. 1979. Optimal reliability analysis by fast convolution, *Journal of the Engineering Mechanics Division, ASCE*, 105, EM3, Proc. Paper 14648, 447-452.
- 1.51 Nowak, A. and Lind, N.C. 1979. Practical code calibration procedures, *Canadian Journal of Civil Engineering*, 6, 112-119.
- 1.50 Lind, N.C. 1978. Catalog optimization, *Zeitschrift fur Angewandte Mathematik und Mechanik*, 58, T488-T489.
- 1.49 Siu, w., Sengupta, S.S. and Lind, N.C. A linear programming approach to the problem of moments, *Zeitschrift fur Angewandte Mathematik und Mechanik*.
- 1.48 Hasegawa, A., Hall, W.B. and Lind, N.C. 1978. Maximum load design of cold- formed steel channel beams, *Journal of the Structural Division, ASCE*, 104, ST7, Proc. Paper 13885, 1093-1107.
- 1.47 Lind, N.C. 1978. Numerical buckling analysis of plate assemblies, *Journal of the Structural Division, ASCE*, 104, ST2, Proc. Paper 13559, 329-339.
- 1.46 Lind, N.C. 1977. Continuous allocation problems, *Journal of Optimization Theory and Applications*, 23, 1, 101-109.
- 1.45 Fujino, Y. and Lind, N.C. 1977. Proof load factors and reliability, *Journal the Structural Division, ASCE*, 103, ST4, 853- 870.
- 1.44 Lind, N.C. 1977. Formulation of probabilistic design, *Journal of the Engineering Mechanics Division, ASCE*, 103, EM2, 273-284.
- 1.43 Lind, N.C. 1977. Rationalizations of sections properties tables, *Journal of the Structural Division, ASCE*, 103, ST3, 649- 662.
- 1.42 Lind, N.C. 1977. Simple illustration of frame instability, *Journal of the Structural Division, ASCE*, 103, ST1, 1-8.
- 1.41 Lind, N.C., Rukos E. and Barrera, R. 1976. Optimacion de catalogos de productos estandarizados, *Revista de Ingenieria*, pp. 129- 136.

- 1.40 Lind, N.C., Ravindra, M.K. and Schorn, G. 1976. Empirical effective width formula, *Journal of the Structural Division, ASCE*, 102, ST9, Proc. Paper 12426, 1741-1757.
- 1.39 Lind, N.C. 1976. Approximate analysis and economics of structures, *Journal of the Structural Division, ASCE*, 102, ST6, Proc. Paper 12201, 1177-1196.
- 1.38 Dubey, R.N. and Lind, N.C. 1976. Re-Assessment of the incremental elastic plastic constitutive relation, *Mechanics Research Communications*, 3, 5, 411-415.
- 1.37 Parimi, S.R. and Lind, N.C. 1976. Limit states basis for cold-formed steel design, *Journal of the Structural Division, ASCE*, 102, ST3, Proc. Paper 12009, 475-486.
- 1.36 Siu, W.W., Parimi, S.R. and Lind, N.C. 1975. Practical approach to code calibration, ASCE EMD Specialty Conf. on Probabilistic Methods in Eng., Stanford, CA., June 1974; *Journal of the Structural Division, ASCE*, 101, ST7, 1469-1480.
- 1.35 Mroz, Z. and Lind, N.C. 1975. Simplified theories of cyclic plasticity, *Acta Mechanica*, 22, 131-152.
- 1.34 Lind, N.C. and Shroff; D.K. 1975. Utilization of cold work in cold formed steel, *Journal of Structural Division ASCE*, 101, ST1, 67-78.
- 1.33 Hasofer, A.M. and Lind, N.C. 1974. An exact and invariant second-moment code format, *Journal of the Engineering Mechanical Division, ASCE*, 100, EM1, 111-124.
- 1.32 Schorn, G. and Lind, N.C. 1974. Adaptive control of design codes, *Journal of the Engineering Mechanical Division, ASCE*, 100, EM1, 1-16.
- 1.31 Ravindra, M.K., Lind, N.C., Siu, W. 1974. Illustration of reliability-based design, *Journal of the Structural Division, ASCE*, 100, ST9, 1789-1811.
- 1.30 Siu, W. and Lind, N.C. 1973. Some aspects of office design live loads, *Journal of the Structural Division, ASCE*, 99, ST11, 2245-2258.
- 1.29 Abdel-Baset, S., Grierson D.E. and Lind, N.C. 1973. Second-order collapse load analysis; LP approach, *Journal of the Structural Division, ASCE*, 99, ST11, 2215-2228.
- 1.28 Lind, N.C. and Ravindra, M.K. 1973. Theory of structural code optimization, *Journal Structural Division, ASCE*, 99, ST7, 541-553.
- 1.27 Lind, N.C. 1973. Extremum principles for certain hyperelastic materials, *International Journal of Non-Linear Mechanics*, 8, 143- 153.
- 1.26 Lind, N.C. 1973. The design of structural design norms, *Journal of Structural Mechanics*, 1, 3, 357-370.
- 1.25 Palusamy, S. and Lind, N.C. 1973. Influence of external loads on pressure carrying capacity of outlet connection, *Trans. ASME, Journal of Engineering for Industry*, 95, B 1, 113-120.
- 1.24 Lind, N.C. and Fung, P.K. 1972. Analysis of piping systems with flexible joints, *Trans. ASME, Journal of Engineering of Industry*, 94, B, 3, 920-924.
- 1.23 Palusamy, S. and Lind, N.C. 1972. Limit analysis of non-symmetrically loaded spherical shells, *Trans. ASME, Journal of Applied Mechanics*, 39, E, 2.
- 1.22 Lind, N.C. 1972. The design of structural design norms, (in Polish), Archives for Civil Engineering, Polish Academy of Sciences.
- 1.21 Lind, N.C., Sherbourne, A.N. Ellyin, F., and Dainora, J. 1971. Plastic tests of two branch-pipe connections, *Welding Research Council Bulletin*. 164, 1-7.
- 1.20 Palusamy, S. and Lind, N.C. 1971. A consistent theory for spherical shells in equilibrium, *Nuclear Engineering and Design*, 21, 350- 357.
- 1.19 Lind, N.C. 1971. Consistent partial safety factors, *Journal of the Structural Division, ASCE*, 97, ST6, 1651-1670.

- 1.18 Neale, K.R. and Lind, N.C. 1970. Limit analysis of plates under combined loads, *Journal of the Engineering Mechanics Division, ASCE*, 96, EM5, 711-728.
- 1.17 Dutt, O. and Lind, N.C. 1970. A uniqueness theorem for non-linear plane frameworks, *Journal of the Structural Division, ASCE*, 96, ST6, (Proc. Paper 7330).
- 1.16 Benjamin, J.R. and Lind, N.C. 1969. A probabilistic basis for a deterministic code, *Proceedings of the American Concrete Institute*, 66, 11, 857-865.
- 1.15 Lind, N.C. 1969. A microstructure theory of photoelastic behaviour in amorphous solids, *Experimental Mechanics*, 9, 9, 424-428.
- 1.14 Lind, N.C. 1969. Local instability analysis of triangulated dome frameworks, *The Structural Engineer*, 47, 8 317-324.
- 1.13 Lind, N.C. 1968. Response limits for a class of nonlinear systems, *Journal of the Engineering Mechanics Division, ASCE*, 94, EM9, 23-30.
- 1.12 Lind, N.C. 1966. Numerical buckling analysis of arches and rings, *The Structural Engineer*, 44, 7.
- 1.11 Taylor, C.E. and Lind, N.C. 1966. Photoelastic study of the stresses near openings in pressure vessels, *Welding Research Council Bulletin*. 113, 1-24.
- 1.10 Ellyin, F., Lind, N.C. and Sherbourne, A.N. 1966. Elastic stress field in a plate with a skew hole, *Journal of the Engineering Mechanics Division, ASCE*, 97, EM1, 1-10.
- 1.9 Turkstra, C.J., Lind, N.C., and Wright, D.T. 1966. The nature of standard structural design procedures, *The Engineering Journal, EIC*, 49, 1, 20-24.
- 1.8 Lind, N.C. 1965. A rapid method to estimate the elastic stress concentration of a nozzle in a spherical pressure vessel, *Nuclear Structural Engineering*, 2, 7, 159-178.
- 1.7 Lind, N.C. 1965.. Analysis of deflections in elastic-plastic frames, *Journal of the Structural Division, ASCE*, 91, ST3, 197-218.
- 1.6 Lind, N.C. 1964. Plastic analysis of radial outlets from spherical pressure vessels, *Journal of Engineering for Industry, Trans. ASME*, 86, B, 193-198.
- 1.5 Lind, N.C. 1964. Iterative limit load analysis for tall frames, *Journal of the Structural Division, ASCE*, 90, ST2, 103-124.
- 1.4 Lind, N.C. and Bhattacharyya, A. 1963. On the boundary stresses of a conical pressure reducer, *Journal of Scientific Engineering Research, India*, 7, 1, 31-38.
- 1.3 Lind, N.C. 1963. Analysis of structures by system theory, *Journal of the Structural Division, ASCE*, 88, ST2, April 1962 - *Transactions, ASCE*, 128, Part II, 786-819.
- 1.2 Taylor, C.E., Schweiker, J.W. and Lind, N.C. 1959. A three-dimensional photoelastic study of stresses around reinforced outlets in pressure vessels, *Welding Research Council Bulletin*, 51.
- 1.1 Lind, N.C., 1954. Om beregning af etageadskillelser af jernbeton, *Ingenioren*, 63, 43, 838-839.

1.2 Refereed Notes in Scientific Journals:

- 1.2.6 Lind, N.C. 1996. Vulnerability of damage-accumulating systems, *Reliability Engineering and System Safety*, 53, 217-219.
- 1.2.5 Lind, N.C. 1973. Buckling of longitudinally stiffened sheets, *Journal of the Structural Division, ASCE*, 99, ST7, 1686- 1691.
- 1.2.4 Lind, N.C. 1972. Numerical approximation for reliability analysis, *Journal of the Structural Division, ASCE*, 98, ST3, 797-804.

- 1.2.3 Antropius, K. and Lind, N.C. 1971. A note on the relation between absolute photo-elastic coefficients for incompressible media, *Acta Technica, CSAV*, 5, 617-620.
- 1.2.2 Lind, N.C. 1968. Stress concentration of holes in pressurized cylindrical shells, *AIAA Journal*, 6, 7, 1397-1398.
- 1.2.1 Lind, N.C. 1967. The stored energy of cold work in elastic-plastic aggregates, *Journal of Applied Mechanics, Trans. ASME*, 34, 1026-1027.

1.3 Communications in Refereed Scientific Journals:

- 1.3.18 Lind, N.C. 2005. Isaac Elishakoff, *Safety Factors and Reliability: Friends or Foes?* Book Review, *Structural Safety*, 27, 282-283.
- 1.3.17 Lind, N.C., “ ”, Book Review Hartford Baecher.
- 1.3.16 Lind, N.C. 1997. Smart Air Bags, *Risk Analysis*, 17, 4, 401-402.
- 1.3.15 Lind, N.C. and Wang, Z 1991. Discussion on the strength and testing of window glass, *Canadian Journal of Civil Engineering*.
- 1.3.14 Reid, S. and Lind, N.C. 1991. Discussion on the strength and testing of window glass, *Canadian Journal of Civil Engineering*.
- 1.3.13 Lind, N.C. 1988. Discussion on fuzzy models, *Civil Engineering Systems*, 49-53.
- 1.3.12 Lind, N.C. 1984. Discussion on reliability analysis based on fuzzy probability, *Proc. ASCE, Journal of the Engineering Mechanics Division*.
- 1.3.11 Lind, N.C. 1978. Discussion on proof loading for target reliability, *Journal of the Structural Division, ASCE*, 104, ST11, 1808-1809.
- 1.3.10 Lind, N.C. 1977. Discussion on commentary on the basic philosophy and recent development of safety margins, *Canadian Journal of Civil Engineering*.
- 1.3.9 Lind, N.C. 1974. Discussion on ethical optimization in engineering, *Engineering Issues, ASCE*, 100, E11, 89-93.
- 1.3.8 Lind, N.C. 1968. Discussion on stresses in a pressurized cylinder with hole, *Journal of the Structural Division, ASCE*, 94, ST6, 1647-1648.
- 1.3.7 Lind, N.C. and Schroeder, J. 1968. Discussion of approximate analysis of plastic limit pressure of nozzles in cylindrical shells, *Journal of Engineering for Power, Transactions of the ASME*, 90, 3.
- 1.3.6 Lind, N.C. 1965. Discussion on reticulated shells, *Journal of the Structural Division, ASCE*, 91, ST4.
- 1.3.5 Lind, N.C. 1965. Discussion on Network-topological formulation of structural analysis, *Journal of the Structural Division, ASCE*, 91, ST1.
- 1.3.4 Lind, N.C. 1964. Discussion on elastic buckling of rigidly jointed frames, *Journal of the Engineering Mechanics Division, ASCE*, 90, EM2, 261-262.
- 1.3.3 Lind, N.C. 1963. Discussion on Limit design of crossed steel beams, *ASCE Transactions*, 128, Part III, 465.
- 1.3.2 Lind, N.C. 1963. Discussion on critical buckling loads for tapered columns, *ASCE Transactions*, 128, Part II, 749-751.
- 1.3.1 Lind, N.C. and Wright, D.T. 1962. Discussion on bearing capacity of floating ice sheets, *ASCE Transactions*, 127, Part I, 562-563.

2. PAPERS PUBLISHED IN FULL IN REFEREED CONFERENCE PROCEEDINGS:

- 2.78 Nathwani, J.S. and Lind, N.C. 1994. Determination of Risk Tolerability from Social Indicators. In *Proceedings of the European Safety and Reliability (ESREL) Conference 93*, May 10th-12th, Munich, Germany, Elsevier Applied Science Publisher.
- 2.77 Lind, N.C., Nathwani, J.S. and Pandey, M. 2007. Socially Optimized Engineered Safety: The Life Quality Index, *Proc. 10th Int. Conf. Appl. Statistics & Prob. to Soil and Struct. Eng. (ICASP10)*, Tokyo, July-August.
- 2.76 Nathwani, J.S., Pandey, M.D. and Lind, N.C. 2005. A standard for determination of optimal safety in engineering practice. *Proc. IFIP Conference*, pp.1-8. May 23-25, Aalborg, Denmark.
- 2.75 Lind, N.C. 2005. The Welfare Economics of Structural Safety, *Proc. Simposio Luis Esteva*, Mexico D.F., Mexico, Sept. 12.
- 2.74 Lind, N.C. 2003. Uncertainty in Risk Assessment, *Proc. ICASP9*, Berkeley, CA July.
- 2.73 Lind, N.C. 2004. Criteria for optimal safety. In *Reliability and Optimization of Structural Systems*, Maes and Huysse (eds.), Proc. IFIP WG7.5 Conf. Banff, AB, Nov 2-5, 2003, Taylor and Francis Group, London, 105-111.
- 2.72 Lind, N.C. 2001. Tolerable Risk: A Time-Investment Criterion, *Proc. International Conference on Safety, Risk, and Reliability – Trends in Engineering*, Malta, March 21-23, (CD-ROM).
- 2.71 Lind, N.C. 2001. Time Effects and Uncertainty in Criteria for Tolerable Risk, *Proc. International Conference on Safety, Risk, and Reliability – Trends in Engineering*, Malta, March 21-23, (CD-ROM).
- 2.70 Lind, N.C. and Hartford, D.N.D. 1999. Probability of human instability in a flooding: a hydrodynamic model. In *Applications of Statistics and Probability*, R.E. Melchers and M.G. Stewart (eds.), Proc. Eighth Int. Conf. Appl. Statistics & Prob. to Soil and Struct. Eng., Sydney, Australia, December 12-15, vol 2, pp. 1151-1156.
- 2.69 Lind, N.C. 1995. Vulnerability and Damage, *Proc. 15th Canadian Congress of Applied Mechanics*, B. Tabarrok, (ed.), University of Victoria, May, pp.108-109.
- 2.68 Lind, N.C. 1995. Entropy Estimation of Joint Distributions, *Proc. Sixth International Meeting on Statistical Climatology*, Galway, Ireland, June 19-23.
- 2.67 Lind, N.C. 1994. Vulnerability and Damage Tolerance, *Proc. Symp. on Risk Analysis*, A. S. Nowak (ed.), Aug. 11-12, Ann Arbor, MI, pp. 139-152.
- 2.66 Lind, N.C. 1994. Tolerable Risk - After Emilio Rosenblueth, *Proc. Congreso Emilio Rosenblueth, Futuros de la Ingenieria Mexicana*, Mexico, D.F., 26-27 May, (to be published).
- 2.65 Lind, N.C. 1994. Aggregating hydrological data for risk analysis. In *Stochastic and Statistical Methods in Hydrology and Environmental Engineering*, K. Hipel, Vol. 1, Kluwer Academic Publishers, Dordrecht, The Netherlands, pp.371-380.
- 2.64 Lind, N.C. 1994. Information-Theoretical Estimation of Random Variables. In *Climate Changes, Uncertainty and Decision-Making*, G. Paoli (ed.), Proc. BAHC-IRR International Workshop on Risk Estimation of Extreme Weather Events, Toronto, ON, Feb. 20-22, pp. 97-108.
- 2.63 Lind, N.C. 1994. Target Reliability Levels from Social Indicators. In *Structural Safety and Reliability*, Schueller, G.I., Shinozuka, M. and Yao, J.T.P. (eds.), Proc. ICOSSAR-93, Innsbruck, 9-13 Aug. 1993, Balkema, Rotterdam, pp.1897-1904.
- 2.62 Lind, N.C. and Nathwani, J.S. 1994. Optimal safety levels via social indicators, Proc. of Risk Management - Expanding Horizons meeting, Boston, MA, 1993, R.A. Knief (ed.), American Nuclear Society, La Grange Park, IL.

- 2.61 Lind, N.C. 1993. Health Care Efficiency Criteria from Social Indicators. In *Management of Risk, Benefit and Cost of Pharmaceuticals*, Proc. Canadian Public Health Association, June 1-2, 1992, pp. 41-43.
- 2.60 Lind, N.C., Hong H.P., and Solana, V. 1991. Relative Entropy Estimation and Approximation of Random Variables, *Proc. 6 Int. Conf. on Appl. of Statistics and Probability in Civil Engineering, ICASP 6*, Mexico, D.F., Vol. 1, pp. 25-32.
- 2.59 Lind, N.C. 1991. Beurteilung der Sicherheit im Hinblick auf Soziale Wohlfahrt. In *Risiko und Sicherheit Technischer Systeme*, J. Schneider (Ed.), Birkhäuser Verlag, Basel, pp. 95-107.
- 2.58 Lind, N.C. 1990. Risk Management: A Canadian Global Perspective, *Proc. 1990 CSCE Annual Conference.*, Hamilton, ON, May 15-18.
- 2.57 Hong, H.-P., Lind, N.C. and Solana, V. 1989. Probability Assignment of Earthquake Interarrival Times Using Cross-Entropy, *Proc. 4th International Conference on Soil Dynamics and Earthquake Engineering*, UNAM, Mexico, D.F., Oct. 23-26, S. Cakmak and I. Herrera, (eds.), Computational Mechanics Publications, Southampton, UK, pp. 3 - 17.
- 2.56 Solana V., and Lind, N.C. 1989. Consistency Principles for Data-Based Probabilistic Inference, *Proc. Int. Conf. on Entropy Methods*, Dartmouth, Aug. 14-18, (to be published).
- 2.55 Lind, N.C. and Solana, V. 1990. Two Principles for Data Based Probabilistic System Analysis, *Proc. ICOSSAR Conference*, San Francisco, CA, Aug. 7-11, 1989, in *Structural Safety and Reliability*, Vol. III, A.H.-S. Ang, M. Shinozuka, and G. I. Schueller, (eds.), ASCE, New York, NY, pp.1667-1674.
- 2.54 Lind, N.C. and Solana, V. 1988. Cross-Entropy Estimation of Distributions Based on Scarce Data, *Society for Risk Analysis*, Annual Meeting, Boston, MA (to be published).
- 2.53 Solana V., and Lind, N.C. 1989. A Monotonic Property of Distributions Based on Entropy with Fractile Constraints, 8th International MaxEnt Workshop, St. John's College, Cambridge, UK, August 1-5, 1988. *Maximum Entropy and Bayesian Methods*, J. Skilling (ed.), Kluwer Academic Publishers, pp. 481-490.
- 2.52 Lind, N.C. 1988. Statistical Measures for Concrete Quality Control, *Proc. Second Colloquium on Concrete in Developing Countries*, Bombay, Jan. 3-6.
- 2.51 Lind, N.C. 1989. Measures for Risk and Efficiency of Risk Control, Proc. Risk Communication Symposium, Ottawa, ON, Dec. 1-2, 1987. In *Prospects and Problems in Risk Communication*, W. Leiss (ed.), University of Waterloo Press, Waterloo, ON, pp. 185-187.
- 2.50 Lind, N.C. 1987. Modelling of Uncertainty in Hazard Assessment, Proc. *UNIDO Workshop on Hazardous Waste Management, Industrial Safety and Emergency Planning*, S.P. Maltezos, A.K. Biswas and H. Sutter (eds.), Vienna, Austria, 22-26 June, pp. 218-227.
- 2.49 Nowak, A.S. and Lind, N.C. 1987. System Reliability Models for Bridge Structures, *Proc. IFIP Conference on Reliability and Optimization of Structural Systems*, P. Thoft-Christensen (ed.), Aalborg, Denmark, May 6-8, Springer-Verlag, Berlin, pp. 329-338.
- 2.48 Lind, N.C. 1987. Level Four Optimization for Structural Glass Design, *Proc. IFIP Conference on Reliability and Optimization of Structural Systems*, P. Thoft-Christensen (ed.), Aalborg, Denmark, May 6-8, 1987, Springer-Verlag, Berlin, pp. 259-274.
- 2.47 Van Aerde M. and Lind, N. 1986. Uncertainty Analysis for Fault Trees Based on Mass-Point Representations of Probability Distributions, *Proc. Society for Risk Analysis, Annual Meeting*, Boston, Nov. 9 - 12, R. Kaspersen (ed.) (to be published).
- 2.46 Lind, N.C. 1986. Risk Analysis and Policy in Transport of Dangerous Materials, *Proc. IAEA/UNEP/WHO Workshop on Assessing and Managing Health and Environmental Risks from Energy and other Complex Industrial Systems*, Paris, 13-17 Oct. (to be published).

- 2.45 Lind, N.C. 1987. Risk Analysis for Risk Management, *Proc. Symposium on Risk Management, Estimation and Assessment*, Sept. 30 - Oct. 3, Arnprior, ON, L. Martin and G. Lafond (eds.), Institute for Risk Research, University of Waterloo, Waterloo, ON, pp. 45-59.
- 2.44 Lind, N.C. 1987. Methods of Risk Analysis. In *Insuring and Managing Hazardous Risks: From Seveso to Bhopal and Beyond*, P. Kleindorfer and H. Kunreuther (eds.), Springer-Verlag, Berlin.
- 2.43 Lind, N.C. 1986. Control of Human Error in Structures, *Proc. NSF Workshop*, June 4-6, University of Michigan, Ann Arbor, MI, ASCE, New York, NY, pp. 122-127.
- 2.42 Lind, N.C. 1986. Reconciling Fuzzy Concepts and Probability in Structural Engineering, *Proc. NSF Workshop on Civil Engineering Applications of Fuzzy Sets* October 17-19, 1985, Purdue Univ., IN.
- 2.41 Nowak A.S. and Lind, N.C. 1986. Modelling Human Errors, *Proc. IABSE Symposium on Safety and Quality Assurance of Civil Engineering Structures*, Tokyo, pp. 127-136.
- 2.40 Queen, D. and Lind, N. 1985. Interactive Buckling of Thin-Walled Compression Members, *Proc. 1985 Annual Tech. Session, Struct. Stab., Res. Council*, April 15-17, Cleveland, OH.
- 2.39 Chen, X. and Lind, N.C. 1984. Probabilistic Creep Buckling Analysis, Probabilistic Structural Analysis, *Proc. of the ASME 1984, Pressure Vessel and Piping Conference*, San Antonio, TX, DVP-Vol. 93, pp. 121- 147.
- 2.38 Lind, N.C. 1985. Optimum Allocation to Control Gross Error. In *Risk, Structural Engineering and Human Error*, M. Grigoriu (ed.), *Proc. Symposium on Structural Technology and Risk*, 1983, University of Waterloo Press, Waterloo, ON, pp. 191-198.
- 2.37 Chen, X. and Lind, N.C. 1985. Probabilistic Creep Buckling Analysis of a Column. In *Risk, Structural Engineering and Human Error*, M. Grigoriu (ed.), *Proc. Symposium on Structural Technology and Risk*, 1983, University of Waterloo Press, Waterloo, ON, pp. 113-126.
- 2.36 Lind, N.C. 1983. Management of Gross Error, *Proc. Fourth Int. Conf. Appl. Statistics & Prob. in Soil & Struct. Engrg. ICASP4*, Firenze, June, pp. 669-682.
- 2.35 Lind, N.C. 1983. Optimal Parameter Estimation for Structural Reliability, *Proc. International Workshop on Stochastic Methods in Structural Mechanics*, June 9-12, Univ. di Pavia.
- 2.34 Lind, N.C. 1981. *Structural Codes and Prototype Testing, Structural Safety and Reliability*, T. Moan and M. Shinozuka (eds.), *Proc. ICOSSAR-81*, Elsevier, pp. 639-648.
- 2.33 Lind, N.C. 1979. Optimization, Cost-Benefit Analysis, Specifications, *Proc. Third Int. Conf. Appl. Statistics & Prob. to Soil and Struct. Eng.*, Sydney, NSW, Vol. 3, pp. 373-384.
- 2.32 Lind, N.C. 1979. Structural Safety and Nonlinear Design, *Proc. CSCE-ASCE-ACI-CEB International Symposium on Nonlinear Design of Concrete Structures*, Waterloo, ON, Aug. 7-9.
- 2.31 Lind, N.C. 1979. Mechanics, Reliability, and Society, *Proc. 7th Canadian Conference of Applied Mechanics (CANCAM7)*, Univ. of Sherbrooke, Sherbrooke, QC., pp. 13-23, May.
- 2.30 Lind, N.C. 1979. Probability-Based Structural Code Design, *Rodzial 4, Losowe Obciazenia i nosnosc Konstrukcji*, Polska Akad. Nauk, Wroclaw, pp. 141-170.
- 2.29 Sexsmith R.G. and Lind, N.C. 1977. Policies for Selection of Target Safety Levels, *Proc. Second Int. Conf. on Structural Safety and Reliability*, Munich, Sept. 19-21, Werner-Verlag Dusseldorf, pp. 149-162.
- 2.28 Lind, N.C. 1978. Safety Level Decisions and Socio-Economic Optimization. In *Safety of Structures Under Dynamic Loading*, Holand et al (eds.), Vol. 1, 1977, pp. 161-176, Tapir, Norwegian Inst. of Technology, Trondheim.

- 2.27 Lind, N.C. 1978. Reliability-Based Structural Codes. Practical Calibration. In *Safety of Structures Under Dynamic Loading*, Holand et al. (eds.), Vol. 1, 1977, pp. 149-161, Tapir, Norwegian Inst. of Technology, Trondheim.
- 2.26 Lind, N.C. 1978. Reliability-Based Structural Codes. Optimization Theory. In *Safety of Structures Under Dynamic Loading*, Holand et al (eds.), Vol. 1, 1977, pp. 135-149, Tapir, Norwegian Inst. of Technology, Trondheim.
- 2.25 Lind, N.C. 1977. Recent Trends in Safety Factor Optimization, *Final Report, ECCS-IABSE Second International Colloquium on Stability of Steel Structures*, Liege, April 13-15, pp. 5-7.
- 2.24 Hasegawa, A. and Lind, N.C. 1977. Design of Cold Formed Stiffened Elements, *Preliminary Report, ECCS-IABSE Second International Colloquium on Stability of Steel Structures*, Liege, Apr. 13-15, pp. 659-667.
- 2.23 Lind, N.C. 1977. Consequences of Failure (Including Human Reaction), *Sixth World Conference on Earthquake Engineering*, New Delhi, Jan.
- 2.22 Williams, D.P., Lind, N.C., Carles, A., Topper, T.H. and Leis, B.N. 1977. Structural Cyclic Deformation Response Modelling, *Proc. First ASCE- EMD Specialty Conf. Mech. in Eng.*, R.N. Dubey and N.C. Lind (eds.), University of Waterloo Press, Waterloo ON, SM Study 11.
- 2.21 Knab, L.I. and Lind, N.C. 1975. Reliability Based Design Criteria for Temporary Cold-Formed Steel Buildings, *Third International Specialty Conference on Cold-Formed Steel Structures*, Nov. 24-25, St. Louis, MO.
- 2.20 Lind, N.C., Knab, L.I. and Hall, W.B. 1975. Economic Study of the Connection Safety Factor, *Third International Specialty Conference on Cold-Formed Steel Structures*, Nov.24-25, St. Louis, MO.
- 2.19 Lind, N.C. 1977. Economic Activities Under Public Regulation - A Thermodynamic Analogy, *Problem Analysis in Science and Engineering*, F.H. Branin and K. Huseyin (eds.) pp. 341-360, Academic Press, New York.
- 2.18 Siu, W. and Lind, N.C. 1974. A Decision-Theoretic Formulation of Design. In *Stochastic Problems in Mechanics*, University of Waterloo, SM Study No. 10, pp. 49-60.
- 2.17 Lind, N.C. and Mroz, Z. 1973. A Study of Cyclic Plasticity, *Preliminary Publication, IABSE Symp. on Resistance and Ultimate Deformability of Structures Acted on by Well Defined Repeated Loads*, Lisbon, August, I, pp. 9-14.
- 2.16 Lind, N.C. and Ravindra, M.K. and Siu, W. 1972. Probabilistic Selection of Safety Factors, SM Study No. 7, University of Waterloo, pp. 267- 290.
- 2.15 Fung, P.K., Burns, D.J. and Lind, N.C. 1972. Yield under High Hydrostatic Pressure, *Proc. Symposium on Foundations of Plasticity*, Warsaw, pp. 287-300, Polish Academy of Sciences.
- 2.14 Lind, N.C. and Basler, E. 1972. Safety Level Decisions, *Proc. ASCE-IABSE Int. Conf. on Planning and Design of Tall Buildings*, Lehigh Univ., Aug., preprints, V. 1b-10, pp. 53-66.
- 2.13 Lind, N.C. and Venkataramaiah, K.R. 1972. Compression in Thin-Walled Members, *Proc. Canadian Structural Engineering Conference*, Montreal, QC, CSICC, 31 pp.
- 2.12 Lind, N.C. and Davenport, A. 1972. Towards Practical Application of Structural Reliability Theory, *Proc. American Concrete Inst. Symposium on Probabilistic Methods* (Denver, Colorado, March 1971), Probabilistic Design of Reinforced Concrete Buildings, ACI Publ. SP-31, pp. 63-110, ACI, Detroit, MI.
- 2.11 Ravindra M.K. and Lind, N.C. 1972. Optimization of a Structural Code, *Proc. Conference on Application of Statistics and Probability to Soil and Structural Engineering*, Hong Kong University Press, pp. 75- 108.

- 2.10 Antropius, K. and Lind, N.C. 1972. A Theory of Photoelastic Effect in Glassy-State Polymers, *Proc. Int. Conf. on Methods of Experimental Mechanics ICEM 72*, Prag, pp. 6-9.
- 2.9 Palusamy, S. and Lind, N.C. 1971. Optimization Limit Analysis of Spherical Shells under Non-Symmetrical Loading, SM Study No. 5, Computer-Aided Engineering, G.M. Gladwell, (ed.), University of Waterloo, May, pp. 403-419.
- 2.8 Lind, N.C., Ravindra, M.K. and Power, J. 1971. A Review of the Effective Width Formula, *First Specialty Conference on Cold-Formed Steel Structures*, University of Missouri, Rolla, MO, pp. 37-42, August.
- 2.7 Lind, N.C. and Shroff, D.K. 1971. Utilization of Cold Work in Light Gage Steel, *Proc. First Specialty Conference on Cold Formed Steel Structures*, University of Missouri, Rolla, MO, pp. 10-13, August.
- 2.6 Lind, N.C., Ravindra, M.K. and Heaney, A.C. 1969. Probabilistic Evaluation of Safety Factors, *Proc. IABSE Symposium on Concepts of Safety of Structures and Methods of Design*, London and Zurich.
- 2.5 Lind, N.C. 1969. An Elastic Shell Analysis of the Stress Concentration of a Pressurized Tee Branch Pipe Connection, *Proc. 1st International Congress on Pressure Vessel Technology*, Delft, ASME, pp. 269-276.
- 2.4 Lind, N.C. 1969. The Relation of Data to Calculated Failure Probabilities, *Final Report, IABSE 8th Congress* (New York, September 1968), Zurich.
- 2.3 Lind, N.C. and Puranik, B. 1967. The Stability Analysis of Reticulated Domes with Grid Discontinuities, *Space Structures*, R.M. Davies (ed.), Blackwell Scientific Publications, Oxford, pp. 439-443.
- 2.2 Lind, N.C. 1968. Stability Criteria for Reticulated Shells, *Proc. Symposium on Problems on Interdependence of Design and Construction of Large-Span Shells for Industrial and Civil Buildings* (Leningrad, 1966) Moscow.
- 2.1 Lind, N.C., Turkstra, C.J. and Wright, D.T. Safety, Economy and Rationality of Structural Design, *Preliminary Publication IABSE 7th Congress*, Rio de Janeiro, pp. 185-192.

3. OTHER PUBLICATIONS:

- 3.60 Lind, N. 2002. Bayesian analysis of the alignments of Bornholm's Medieval Churches, *META*, 2, 49-55.
- 3.59 Lind, N.C. 1997. Understanding risk: Informing decisions in a democratic society, (book review), *Risk Abstracts*, 14, 4, 1-3.
- 3.58 Lind, N.C. 1994. Entropy optimization principles with applications, (book review), *American Scientist*, May-June, 293-294.
- 3.57 Nowak, A. S. and Lind, N.C. 1993. Probability-Based Design Codes. In *Probabilistic Structural Mechanics Handbook*, C. Sundararajan (ed.), Van Nostrand Reinhold, New York, NY.
- 3.56 Lind, N.C. 1992. A national standard for risk analysis, *Risk Abstracts*, 1-3.
- 3.55 Lind, N.C. 1991. Horst Herman Eduard Leipholz 1919-1988, *Transactions of the Royal Society of Canada*, 6th Series, Vol II, 325-328.
- 3.54 Lind, N.C. 1991. Self-caused death and earthquake!, *Risk Abstracts*, 8, 2, 1-6.

- 3.53 Nathwani, J.S., Lind, N.C., Siddall, E. 1991. Risk Benefit Balancing in Risk Management: Measures of Benefits and Detriments. In *The Analysis, Communication and Perception of Risk*, J.B. Garrick (ed.), Advances in Risk Analysis Series, New York: Plenum Press, pp. 599-614
- 3.52 Lind, N.C. 1991. The great fire disaster: Smoke, *Risk Abstracts*, 8, 1, 2-4.
- 3.50a Nathwani, J.S., Lind, N.C., Siddall, E. 1990. Safety, social well-being and its measurement, *IRR Paper No. 20*, Institute for Risk Research, University of Waterloo, Waterloo ON.
- 3.51 Lind, N.C. 1990. El tratamiento de los riesgos: Un enfoque canadiense global, *MAPFRE Seguridad*, No.38, 2o trimestre, Madrid, Spain, pp. 3-12.
- 3.50 Nathwani, J.S., Lind, N.C. and Siddall, E. 1990. Safety, social well-being and its measurement, First World Congress on Safety Science, TUV Rheinland for the Fed. Min. of the Environment, Nature Conservation & Nuclear Safety, Cologne, Germany, in Proceedings of 1st World Congress on Safety Science, Cologne, Germany, Sept 24-26,1990, *Living in Safety*, Albert Kuhlmann (ed.), Verlag TUV Rheinland GmbH, Cologne, vol. 2, pp. 634-686.
- 3.49 Nathwani, J.S., Siddall, E. and Lind, N.C. 1990. Global energy use and energy alternatives in relation to economic and social well-being, First World Congress on Safety Science, TUV Rheinland for the Federal Minister of the Environment, Nature Conservation and Nuclear Safety, Cologne, Germany, Sept. 24-26.
- 3.48 Nathwani, J.S., Lind, N.C. and Siddall, E. 1990. Management of risks in the public interest: a study of the social and economic impacts of energy, First World Congress on Safety Science, for the Federal Minister of the Environment, Nature Conservation and Nuclear Safety, TUV Rheinland for the Federal Minister of the Environment, Nature Conservation and Nuclear Safety, Cologne, Germany, Sept. 24-26.
- 3.47 Lind, N.C. 1989. Safety as hazard or: The Order of the Gilded Lily, editorial, *Risk Abstracts*, 6, 3, 113-115.
- 3.46 Lind, N.C. 1989. The jogger's dilemma, book review, *Canadian Nuclear Society Bulletin*, 0, 2, March-April, 19-20.
- 3.45 Lind, N.C. 1989. Information theory and estimation of random variables, *IRR Paper No. 15*, Institute for Risk Research, University of Waterloo, Waterloo, ON.
- 3.44 Lind, N.C. 1989. El riesgo en la sociedad tecnologica moderna, *MAPFRE Seguridad*,34, 2o trimestre, Madrid, Spain, pp. 3-10.
- 3.43 Lind, N.C. and Solana, V. 1988. Estimation of random variables with fractile constraints, *IRR Paper No. 11*, Institute for Risk Research, University of Waterloo, Waterloo, ON.
- 3.42 Lind, N.C. 1988. Hazards Schmazards!, *Risk Abstracts*, 5, 2, 51-52.
- 3.41 Lind, N.C. 1987. Risk analysis--An emerging profession? *Risk Abstracts*, 4, 4, 167-169.
- 3.40 Yin, X., Hipel, K. W. and Lind, N.C. 1987. Conflict analysis of technological risk, *IRR Paper No. 10*, Institute for Risk Research, University of Waterloo, Waterloo, ON, 37 pp.
- 3.39 Lind, N.C. 1985. A time measure of value in risk assessment (in Polish), *Projektowanie i Systemy (Design and Systems)*, Vol. VII.
- 3.38 Ferregut, C. and Lind, N.C. 1985. Safety level differentiation in highway bridges, *Proc. Tenth Canadian Congress of Appl. Mech. (CANCAM'85)*, pp. E-99-100.
- 3.37 Lind, N.C. 1984. Closing Address, (IUTAM) *Weibull Symposium*, Stockholm, pp. 16-17.

- 3.36 Lind, N.C. 1983. Structural Quality and Human Error, *Proc. NATO Advanced Study Institute on Reliability Theory and its Applications in Structural and Soil Mechanics*, P. Thoft-Christensen (ed.), Bornholm, Denmark, Aug. 31 - Sept. 9, 1982, Martinus Nijhoff, Holland, pp. 225-236.
- 3.35 Lind, N.C. 1983. Control of Structural Quality, *Proc. NATO Advanced Study Institute on Reliability Theory and its Applications in Structural and Soil Mechanics*, P. Thoft-Christensen (ed.), Bornholm, Denmark, Aug. 31 - Sept. 9, 1982, Martinus Nijhoff, Holland, pp. 215-224.
- 3.34 Ravindra, M.K. and Lind, N.C. 1982. Trends in Safety Factor Optimization. In *Beams and Beam Columns*, R. Narayanan (ed.), Applied Science Publishers, London.
- 3.33 Lind, N.C. 1982. Time Measure of Value. In *Technological Risk*, Proceedings First Symposium on Risk in New Technologies, University of Waterloo Press, Waterloo, ON.
- 3.32 Lind, N.C. 1982. *Numerical Analysis of Structural Elements*, Solid Mech. Div., University of Waterloo Press.
- 3.31 Lind, N.C. 1980. Towards Practical Reliability Analysis of Tall Building Structures. In *Duiliu Sfintesco, L'ingenieur et l'homme*, CTICM, Paris.
- 3.30 Lind, N.C. 1979. Catalog optimization, Abstract, *Zentralblatt fur Mathematik*.
- 3.29 Dyrbye, C., Gravesen, S., Krenk, S., Lind, N.C. and Madsen, H.O. 1979. *Konstruktioners Sikkerhed (the Safety of Structures)*, Tech. Univ. of Denmark, 279 pp., Copenhagen.
- 3.28 Lind, N.C. 1978. Reliability Analysis of Structural Systems, *H.L. Langhaar Testimonial Volume*, University of Illinois Dept. of Theor. & Appl. Mechanics.
- 3.27 Lind, N.C. 1977. On the Value of Life and Limb, *Dialog 77 - 20th Anniversary 1977*, Danish Engineering Academy, Lyngby, Denmark, pp. 21- 32.
- 3.26 Lind, N.C. 1976. Application to Design of Level-I-Codes, *First Order Reliability Concepts for Design Codes*, Committee Europeen du Beton, *Bulletin d'Information* 112, 73-89.
- 3.25 Lind, N.C. et al. 1976. Four papers on catalog optimization, *Solid Mechanics Division paper No. 138*, August.
- 3.24 Lind, N.C. 1974. Additional Design Examples. In *Design in Cold-Formed Steel*, SM Special pub., R. Schuster (ed.), pp. 253-267.
- 3.23 Lind, N.C. 1974. Recent Developments in Cold-Formed Steel Design Requirements. In *Design in Cold-Formed Steel*, SM Special publication, R. Schuster (ed.), pp. 213-224.
- 3.22 Lind, N.C. 1974. Design Procedures for Flexural Members. In *Design in Cold-Formed Steel*, SM Special publication R. Schuster (ed.), pp. 115- 130.
- 3.21 Lind, N.C. 1974. Strength, Deformation and Design of Cold Formed Steel Structures. In *Design in Cold Formed Steel*, SM Special publication R. Schuster (ed.) pp. 37-50.
- 3.20 Siu, W., Sengupta, S.S. and Lind, N.C. 1974. A linear programming approach to the problem of moments, *SM Paper No 133*, August.
- 3.19 Lind, N.C. 1974. Optimization of economic activities under public regulation, *SMD Report No. 27*, University of Waterloo, April.
- 3.18 Lind, N.C. 1974. A formulation of probabilistic design, *SMD Paper No. 128*, University of Waterloo, April.
- 3.17 Lind, N.C. 1973. Teoria Norm Projektowania Konstrukcji, *Stochastyczna Mechanika Konstrukcji*, Polish Academy of Sciences, pp. 163-226.
- 3.16a Lind, N.C. Invariant Second Moment Reliability Format, Preprint 1921, ASCE National Structural Engineering Meeting, April 9-13, San Francisco, CA.

- 3.16 Lind, N.C. and Mroz, Z. 1972. Simplified theories of cyclic plasticity, ASCE Annual and Environmental Engineering Meeting, Houston, TX, October.
- 3.15 Lind, N.C. 1972. Theory of codified design, lecture notes, *SM Div. Special Publication*, University of Waterloo, August, 200 pp.
- 3.14 Lind, N.C. 1972. A monologue on two sciences, *Mechanics*, 1, 6, 93-94, June.
- 3.13 Ravindra, M.K., Lind, N.C. and Heaney, A.C. 1969. Structural Code Optimization on a Probabilistic Basis, *Proc. ASCE EMD Specialty Conference on Probability*, Purdue University, IN.
- 3.12 Lind, N.C. 1969. Deterministic formats for the probabilistic design of structures, in An Introduction to Structural Optimization, *SM Study No. 1*, University of Waterloo, April.
- 3.11 Lind, N.C. 1968. Extremum principles for a class of continuous hyperelastic bodies, *Proc. 1st Canadian Congress Appl. Mech.* (Quebec, 1967), 1, 189-190, Toronto.
- 3.10 Lind, N.C., Turkstra C.J. and Wright, D.T. 1966. Reply to discussion on safety, economy and rationality in structural design, *IABSE 7th Congress*, Rio de Janeiro, 1964, Final Report, pp. 113-116.
- 3.9 Lind, N.C. 1966. Rheology of Some Ideal Media, *Proc. 5 U.S. Nat. Congr. Appl. Mech.*, University of Minnesota, Minneapolis, MN, p. 576.
- 3.8 Lind, N.C. 1964. Structural analysis by numerical methods, lecture notes, University of Waterloo.
- 3.7 Lind, N.C. 1964. Advanced mechanics of solids, lecture notes, University of Waterloo, 1964, 2 Volumes.
- 3.6 Lind, N.C. 1963. Review and evaluation of 4 Swedish reports on reinforced openings, *Welding Research Abroad*, October.
- 3.5 Lind, N.C. 1963. Selection of research objectives (in Danish), *Ingeniørens Ugeblad*, 7, 10.
- 3.4 Lind, N.C. 1962. Elastic buckling of symmetrical arches, *Tech. Rept. No. 3*, University of Illinois Engineering Experiment Station.
- 3.3 Lind, N.C., Hradek, R. and Cook, R.D. 1961. Influence of fillet radii on stress near outlets in pressure vessels, *TAM report No. 167*, University of Illinois.
- 3.2 Lind, N.C. 1960. The stress concentration of radial outlets in spherical pressure vessels, *TAM report No. 161*, University of Illinois.
- 3.1 Taylor, C.E., Schweiker, J.W. and Lind, N.C. 1958. Three-dimensional photoelastic study of stresses around reinforced outlets in pressure vessels, *ASME Paper 58-A-148*.

4. EDITOR OF:

- 4.11 Reliability and Risk Analysis in Civil Engineering, Proc. ICASP5 Conf., Inst. for Risk Research, Univ. of Waterloo, Waterloo, ON, 2 vols, xxxvi + 1187 pp., 1987.
- 4.10 Probabilistic Methods in the Mechanics of Solids and Structures (with S. Eggwertz), IUTAM Symposium in memoriam Waloddi Weibull, Springer-Verlag, 1985.
- 4.9 Risk Abstracts Journal, 1984-1989, Institute for Risk Research; 1990-93 Cambridge Scientific Publishers, Bethesda, MD.
- 4.8 Technological Risk, Proc. First Symposium on Risk in New Technologies, University of Waterloo Press, Waterloo, ON, 1982.

- 4.7 Mechanics in Engineering (with R.N. Dubey) SM Study No. 11, Proc. ASCE- EMD Specialty Conf. May 26-28, 1976.
- 4.6 Mechanics 1971, American Academy of Mechanics, University Park, PA, 1971.
- 4.5 Mechanics 1970, American Academy of Mechanics, University Park, PA, 1970.
- 4.4 Structural Reliability and Codified Design, S.M. Study No. 3, 1970.
- 4.3 Theory of Structural Design Decisions by C. Turkstra, S.M. Study No. 2, 1970.
- 4.2 Proceedings, Second Canadian Conference of Applied Mechanics, (Cancam, Waterloo), 1969.
- 4.1 Civil Engineering Research in Canadian Universities, University of Waterloo, 1964.

MEMBER OF BOARD OF EDITORS:

- Risk Abstracts (1984-present),
- Reliability Engineering and System Safety (1990-94),
- Structural Safety (1983-94),
- Journal of Structural Mechanics (1972-84),
- Solid Mechanics Archives (1976-91),
- Advisory Board of the Bulletin of the American Academy of Mechanics (1970-present).
- Co-editor of Cold Formed Steel Manual, R.M. Schuster, Ed., Univ. of Waterloo Press, 1975.