

2015

Gupta, S., **Chen, W.**, Dawande, M., & Janakiraman, G. (2015). Optimal Descending Mechanisms for Constrained Procurement. *Production and Operations Management*.

Shenoy, P. P., Rumi, R., & Salmeron, A. (2015). Practical Aspects of Solving Hybrid Bayesian Networks Containing Deterministic Conditionals. *International Journal of Intelligent Systems*, 30(3), 265--291.

Schmitt, A., **Barker, V. L., III**, Raisch, S., & Whetten, D. A. (in press). Strategic Renewal in Times of Environmental Scarcity. *Long Range Planning*.

Wangrow, D., Schepker, D. J., & **Barker, V. L., III**. (2015). Managerial Discretion: An Empirical Review and Focus on Future Research Directions. *Journal of Management*, 41, 99-135.

2014

Chen, W., Dawande, M., & Janakiraman, G. (2014). Fixed-Dimensional Stochastic Dynamic Programs: An Approximation Scheme and an Inventory Application. *Operations Research*, 62(1), 81-103.

Chen, W., Dawande, M., & Janakiraman, G. (2014). Integrality in Stochastic Inventory Models. *Production and Operations Management*, 23(9), 1646-1663.

Jirousek, R., & **Shenoy, P. P.** (2014). Compositional Models in Valuation-Based Systems. *International Journal of Approximate Reasoning*, 55(1), 277--293.

Wu, Y., & Chen, K.-Y. (2014). Supply Chain Contract Design: Impact of Bounded Rationality and Individual Heterogeneity. *Production and Operations Management*, 23(2), 253-268.

2013

Arikan, M., Deshpande, V., & Sohoni, M. (2013). Building Reliable Air-Travel Infrastructure Using Empirical Data and Stochastic Models of Airline Networks. *Operations Research*, 61(1), 45-64.

Wu, Y. (2013). Impact of Long-term Relationship on Supply Chain Contracts: An Experimental Study. *International Journal of Production and Economics*, 142(1), 3-15.

Ndofor, H., Vanevenhoven, J., & **Barker, V. L., III**. (2013). Software firm turnarounds in the 1990s: An analysis of reversing decline in a growing, dynamic industry. *Strategic Management Journal*, 39(9), 1123-1133.

2012

Deshpande, V., & **Arikan, M.** (2012). The Impact of Airline Flight Schedules on Flight Delays.

Li, K., **Mallik, S.**, & Chhajed, D. (2012). Design of Extended Warranties in Supply Chains Under Additive Demand. *Production and Operations Management*, 21(4), 730-746.

Li, Y., & **Shenoy, P. P.** (2012). A Framework for Solving Hybrid Influence Diagrams Containing Deterministic Conditional Distributions. *Decision Analysis*, 9(1), 55--75. doi:<http://dx.doi.org/10.1287/deca.1120.0230> ISBN: 1545-8490

Cinicioglu, E. N., & **Shenoy, P. P.** (2012). A New Heuristic for Learning Bayesian Networks from Limited Datasets: A Real-Time Recommendation System Application with RFID Systems in Grocery Stores. *Annals of Operations Research*, 1--21.

Shenoy, P. P. (2012). Two Issues in Using Mixtures of Polynomials for Inference in Hybrid Bayesian Networks. *International Journal of Approximate Reasoning*, 53(5), 847–866.

McClelland, P. L., **Barker, V. L., III**, & Oh, W. Y. (2012). CEO Career Horizon and Tenure: Future Performance Implications under Different Contingencies. *Journal of Business Research*, 65(9), 1387–1393.

2011

Singh S. N., **Hillmer S. C.**, and Wang Z. (2011) Efficient methods for sampling responses from large-scale qualitative data. *Marketing Science* p 532

Li, K., **S. Mallik**, D. Chhajed, (2011) “Design of Extended Warranties in Supply Chains Under Additive Demand,” Forthcoming, *Production and Operations Management*

Geng, Q., **S. Mallik** (2011) “Joint Mail-in-Rebate Decisions in Supply Chains under Demand Uncertainty,” *Production and Operations Management*, 20(4), 587-602

P. P. Shenoy, (2011) “A Re-Definition of Mixtures of Polynomials for Inference in Hybrid Bayesian Networks,” in W. Liu (ed.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty—ECSQARU*, Lecture Notes in Artificial Intelligence, Vol. 6717, pp. 98–109, Springer, Heidelberg.

P. P. Shenoy and J. C. West. (2011) “Extended Shenoy-Shafer Architecture for Inference in Hybrid Bayesian Networks with Deterministic Conditionals,” *International Journal of Approximate Reasoning*, Vol. 52, No. 6, pp. 805–818.

P. P. Shenoy and J. C. West, (2011) “Inference in Hybrid Bayesian Networks Using Mixtures of Polynomials,” *International Journal of Approximate Reasoning*, Vol. 52, No. 5, pp. 641–657.

P. P. Shenoy and P. H. Giang, (2011) “A Decision Theory for Partially Consonant Belief Functions,” *International Journal of Approximate Reasoning*, Vol. 52, No. 3, pp. 375–394.

P. P. Shenoy, C. Bielza, and M. Gomez, (2011) “A Review of Representation Issues and Modeling Challenges with Influence Diagrams,” *Omega: International Journal of Management Science*, Vol. 39, No. 3, 2011, pp. 227–241.

Levitas, E., **Barker, V. L., III**, & Ahsan, M. (2011). Top Manager Ownership Levels and Incentive Alignment in Inventively Active Firms. *Journal of Strategy & Management*, 4, 116-135.

Musteen, M., Liang, X., & **Barker, V. L., III**. (2011). Personality, Perceptions and Retrenchment Decisions of Managers in Response to Decline: Evidence from a Decision-Making Study. *The Leadership Quarterly*, 22, 926-941.

2010

P. P. Shenoy, C. Bielza, and M. Gomez, "Modeling Challenges with Influence Diagrams: Constructing Probability and Utility Models," *Decision Support Systems*, Vol. 49, No. 4, 2010, 354–364.

Haug, Mark and Mark Hirschev. "The September Swoon", *Journal of Applied Finance*, Vol. 20 No. 2, 2010.

Haug, Mark and Baird, E., "Finding the Error in Daubert", *Hastings Law Journal*, 62:3, 2011.

Mallik, S., "Customer Service in Supply Chain Management," in *The Handbook of Technology Management*. Ed. H. Bidgoli, Vol. 2, p.103-119, John Wiley & Sons Inc., 2010 (ISBN: 978-0-470-24948-2).

Patton, Tom and Roger Woody. "Avoid Broken Links in Your Supply Chain", *KC Small Business Journal*, June 2010, pg. 34

Walden, Joseph. "Modeling and Benchmarking Supply Chain Leadership," accepted for publication by APICS – The Society for Operations Management.

Wu, C., **S. Mallik**, "Cross Sales in Supply Chains: An Equilibrium Analysis," *Int. Journal of Production Economics*, 126, 158-167, 2010

Y. Li and **P. P. Shenoy**, "Solving Influence Diagrams with Deterministic Variables," in P. Grünwald and P. Spirtes (eds.), *Uncertainty in Artificial Intelligence*, July 2010, 322–331, AUAI Press, Corvallis, OR.

McClelland, P. L., Liang, X., & **Barker, V. L., III.** (2010). CEO Commitment to the Status Quo: Replication and Extension Using Content Analysis. *Journal of Management*, 36, 1251-1277.

Musteen, M., **Barker, V. L., III,** & Baeten, V. L. (2010). The Influence of CEO Tenure and Attitude toward Change on Organizational Approaches to Innovation. *Journal of Applied Behavioral Science*, 46, 360-387.

2009

Chen, W., & Zhang, W. (2009). Direct Construction of Polynomial-Size OBDD Proof of Pigeon Hole Problem. *Information Processing Letters*, 109(10), 472-477.

Haug, M. and Cichelli, A., "The Roth IRA for Children: Multigenerational Wealth Planning", *Journal of Financial Planning*, Spring 2009.

Haug, M. "Invited Comment on Calculating Remittiturs", *Law, Probability & Risk*, 8:2, 2009.

Q. Geng, **S. Mallik**, "Mail-In Rebates in Newsvendor Models," Manuscript under preparation, 2009

Walden, Joseph L., Modeling and Benchmarking Supply Chain Leadership: Setting the Conditions for Excellence, CRC Press/Auerbach Publications, Jun 25, 2009.

P. P. Shenoy and J. C. West, "Inference in Hybrid Bayesian Networks with Deterministic Variables," in C. Sossai and G. Chemello (eds.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty— 10th ECSQARU*, Lecture Notes in Artificial Intelligence, Vol. 5590, 2009, pp.46–58, Springer-Verlag, Berlin.

P. P. Shenoy and E. N. Cinicioglu, "Arc Reversals in Hybrid Bayesian Networks with Deterministic Variables," *International Journal of Approximate Reasoning*, Vol. 50, No. 5, 2009, pp. 763–777.

Wu, Diana and Elena Katok, "Contracting in Supply Chains: A Laboratory Investigation", *Management Science*, Vol. 55, Dec. 2009.

2008

Hillmer S. C. and Kocabasoglu, C, (2008) Using qualitative data in learning about customer needs: Understanding employer desires when designing an MBA program. *Quality Management Journal* p 51

Haug, M., and Steinmeyer, D., "Remitting the Remittitur", *American Journal of Trial Advocacy*, 31:3, Spring 2008

Bollapragada, S., **S. Mallik**, "Managing On-Air Ad Inventory in Broadcast Television," *IIE Transactions*, 40(12), 1107-1123, 2008. **This article was selected as the best paper in scheduling and logistics, 2009. Featured in the December 2008 issue of the *Industrial Engineer Magazine*.**

Mallik, Suman, Li, K., D. Chhajed, "Design of Extended Warranties in Supply Chains," Under Revision (second round), *Production and Operations Management*, 2008

Mallik, Suman, Wu, C., "Cross Sales in Integrated and Decentralized Distribution Channels: An Equilibrium Analysis," Under Revision for re-submission, *European Journal of Operational Research*, 2008

Mallik, Suman, S. Bollapragada, "Selling Television Commercial Times Under competition: An Equilibrium Analysis," Manuscript Under Preparation, 2008

Mallik, Suman, Li, K., D. Chhajed, "Brand Reputation, Warranty, and Product Quality," Manuscript Under Preparation, 2008

Mallik, Suman, "An Equilibrium Analysis of Repeated Inventory Competition and Allocation," Manuscript Under Preparation, 2008

Shenoy, Prakash, and B.R. Cobb, 2008. Decision Making with Hybrid Influence Diagrams Using Mixtures of Truncated Exponentials. *European Journal of Operational Research*. Vol. 186, No. 1, p 261-275.

2007

Hillmer, Steve, and Canan Kocabasoglu, 2007. Improving Quality and Productivity via Stratification: A Call Center Example for Forming Homogeneous Groups. *Quality Management Journal*. Vol. 14, No. 1, p. 19.

Haug, M., Multiple Entries into the *Encyclopedia of Epidemiology*, 2007, Sage Publications

Mallik, Suman, Mallik, S., "Contracting with Multiple Parameters: Capacity Allocation in Semiconductor Manufacturing," *European Journal of Operational Research*, 182, 174-193, 2007

Mallik, Suman, Geng, Q., "Inventory Competition and Allocation In a Multi-Channel Distribution System," *European Journal of Operational Research*, 182, 704-729, 2007

Shenoy, Prakash, Esma Nur Cinicioglu, and **Canan Kocabasoglu**, 2007. Use of Radio Frequency Identification for Targeted Advertising: A Collaborative Filtering Approach Using Bayesian Networks. Published in K. Mellouli (ed.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*,

Lecture Notes in *Artificial Intelligence*, Vol. 4724, Berlin: Springer-Verlag, p. 889-900,.

Shenoy, Prakash, and L Sun, 2007. Using Bayesian Networks for Bankruptcy Prediction: Some Methodological Issues. *European Journal of Operational Research*. Vol. 180, No. 2, p. 738-753.

Shenoy, Prakash, and Esmā Nur Cinicioglu, September 2007. Arc Reversals in Hybrid Bayesian Networks with Deterministic Variables. Working Paper No. 316, School of Business, University of Kansas.

Shenoy, Prakash, and B.R. Cobb, Revised January 2007. Propagation in Hybrid Bayesian Networks with Linear Deterministic Variables. Working Paper No. 314, School of Business, University of Kansas.

2006

Haug, M., "Minimizing Uncertainty in Scientific Evidence", American Bar Association, *Scientific Evidence Review, Monograph No. 7*, January, 2006

Slights, Hon. J. and **Haug, M.**, "Alternative Dispute Resolution and Court-Appointed Experts", *Pepperdine Dispute Resolution Law Journal*, Vol. 6, No. 3, 2006

Haug, Mark and **Mark Hirschey**, 2006. The January effect. *Financial Analysts Journal* 62(5), 78-88.

Mallik, Suman, D. Chhajed, "Optimal Temporal Product Introduction Strategies Under Valuation Changes And Learning," *European Journal of Operational Research*, 172, 430-452, 2006

Shenoy, Prakash, 2006. Inference in Hybrid Bayesian Networks Using Mixtures of Gaussians. Published in R. Detcher and T. Richardson (eds.), *Uncertainty in Artificial Intelligence*. Vol. 22, Corvallis, OR: AUAI Press, p. 428-436.

Shenoy, Prakash, L. Liu, and Catherine Shenoy, 2006. Knowledge Representation and Integration for Portfolio Evaluation Using Linear Belief Functions. *IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans*, Vol. 36, No. 4, p. 774-785.

Shenoy, Prakash, B.R. Cobb, and R. Rumi, 2006. Approximating Probability Density Functions in Hybrid Bayesian Networks with Mixtures of Truncated Exponentials. *Statistics and Computing*. Vol. 16, No. 3, p. 293-308.

Shenoy, Prakash, F.V. Jensen, and T.D. Nielsen, 2006. Sequential Influence Diagrams: A Unified Asymmetry Framework. *International Journal of Approximate Reasoning*. Vol. 42, Nos. 1-2, p. 101-118.

Shenoy, Prakash, and B.R. Cobb, 2006. Operations for Inference in Continuous Bayesian Networks with Linear Deterministic Variables. *International Journal of Approximate Reasoning*. Vol. 42, Nos. 1-2, p. 21-36.

Shenoy, Prakash, and B.R. Cobb, 2006. On the Plausibility Transformation Method for Translating Belief Function Models to Probability Models. *International Journal of Approximate Reasoning*. Vol. 41, No. 2, p. 314-340.

Shenoy, Prakash, and B.R. Cobb, 2006. Inference in Hybrid Bayesian Networks with Mixtures of Truncated Exponentials. *International Journal of Approximate Reasoning*. Vol. 41, No. 3, p. 257-286.

Shenoy, Prakash, and R. Demirer, 2006. Sequential Valuation Networks for Asymmetric Decision

Problems. *European Journal of Operational Research*. Vol. 169, No. 1, p. 286-309.

Shenoy, Prakash, and E.N. Cinicioglu, 2006. Solving Stochastic PERT Networks Exactly Using Hybrid Bayesian Networks. Published in J. Vejnarova and T. Kroupa (eds.), *Proceedings of the Seventh Workshop on Uncertainty Processing (WUPES-06)*. Mikulov, Czech Republic: Oeconomica Publishers, p. 183-197.

Shenoy, Prakash, and E.N. Cinicioglu, 2006. On Walley's Combination Rule for Statistical Evidence. *Proceedings of the Eleventh International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IMPU-06)*. Paris, France: Les Cordeliers, p. 386-394.

2005

Shenoy, Prakash, and B.R. Cobb, 2005. Hybrid Bayesian Networks with Linear Deterministic Variables. Published in F. Bacchus and T. Jaakkola (eds.), *Uncertainty in Artificial Intelligence*. Vol. 21, Corvallis, OR: AUAI Press, p. 136-144.

Shenoy, Prakash, and B.R. Cobb, 2005. Nonlinear Deterministic Relationships in Bayesian Networks. Published in L. Godo (ed.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*. Vol. 3571, Berlin: Springer-Verlag, p. 27-38.

Shenoy, Prakash, and P.H. Giang, 2005. Decision Making on the Sole Basis of Statistical Likelihood. *Artificial Intelligence*. Vol. 165, No. 2, p. 137-163.

Shenoy, Prakash, and P.H. Giang, 2005. Two Axiomatic Approaches to Decision Making Using Possibility Theory. *European Journal of Operational Research*. Vol. 162, No. 2, p. 450-467.

Shenoy, Prakash, 2005. No Double Counting Semantics for Conditional Independence. Published in F.G. Cozman, R. Nau, and T. Seidenfeld (eds.), *Proceedings of the Fourth International Symposium on Imprecise Probabilities and Their Applications (ISIPTA-05)*. "Society for Imprecise Probabilities and Their Applications." p. 306-314.

Shenoy, Prakash, and B.R. Cobb, April 2005. Modeling Nonlinear Deterministic Relationships in Bayesian Networks. Working Paper No. 310, School of Business, University of Kansas.

2004

Hillmer, Steve, B.C. Hillmer, and G. McRoberts, 2004. The Real Cost of Turnover: Lessons from a Call Center. *Human Resource Planning Journal*. Vol. 27, p. 34.

Mallik, Suman, P.T. Harker, "Coordinating Supply Chains with Competition: Capacity Allocation in Semiconductor Manufacturing," *European Journal of Operational Research*, 159, 330-347, 2004

Shenoy, Prakash, and S. Nadkarni, 2004. A Casual Mapping Approach to Constructing Bayesian Networks. *Decision Support Systems*. Vol. 38, No. 2, p. 259-281.

Shenoy, Prakash, and B.R. Cobb, 2004. Hybrid Influence Diagrams Using Mixtures of Truncated Exponentials. Published in M. Chickering and J. Halpern (eds.), *Uncertainty in Artificial Intelligence*. Vol. 20, Arlington, VA: AUAI Press, p. 85-93.

Shenoy, Prakash, and L. Liu, 2004. Representing Asymmetric Decision Problems Using Coarse Valuations. *Decision Support Systems*. Vol. 37, No. 1, p.119-135.

Shenoy, Prakash, and John Charnes, 2004. Multi-Stage Monte Carlo Method for Solving Influence Diagrams Using Local Computation. *Management Science*. Vol. 37, No. 2, p.405-418.

Shenoy, Prakash, J.V. Jensen, and T.D. Nielsen, 2004. Sequential Influence Diagrams: A Unified Asymmetry Framework. Published in P. Lucas (ed.), *Proceedings of the Second European Workshop on Probabilistic Graphical Models (PGM-04)*. Leiden, Netherlands, p. 121-128.

Shenoy, Prakash, and B.R. Cobb, 2004. Inference in Hybrid Bayesian Networks with Deterministic Variables. Published in P. Lucas (ed.), *Proceedings of the Second European Workshop on Probabilistic Graphical Models (PGM-04)*. Leiden, Netherlands, p. 57-64.

Shenoy, Prakash, and B.R. Cobb, 2004. Approximating Probability Density Functions with Mixtures of Truncated Exponentials. *Proceedings of the Tenth International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IMPU-04)*. Perugia, Italy, p. 429-436.

Shenoy, Prakash, September 2004. A New Pruning Method for Solving Decision Trees and Game Trees. *Proceedings of the Third Workshop on Uncertainty Processing in Expert Systems*. Trest, Czech Republic, p. 227-242

2003

Lee, J., and **Steve Hillmer**, 2003. Estimating the Effect of Parameter Uncertainty in Repeated Sample Surveys. *Communication in Statistics: Simulation and Computation*. Vol. 32, p. 367.

Shenoy, Prakash, and B.R. Cobbs, 2003. A Comparison of Bayesian and Belief Function Reasoning. *Information Systems Frontiers*. Vol. 5, No. 4, p. 345-358.

Shenoy, Prakash, and P.H. Giang, 2003. Decision Making with Partially Consonant Belief Functions. Published in U. Kjaerulff and C. Meek (eds.), *Uncertainty in Artificial Intelligence*. Vol. 19, San Francisco, CA: Morgan Kaufmann, p. 272-280.

Shenoy, Prakash, L. Liu, and Catherine Shenoy, 2003. A Linear Belief Function Approach to Portfolio Evaluation. Published in U. Kjaerulff and C. Meek (eds.), *Uncertainty in Artificial Intelligence*. Vol. 19, San Francisco, CA: Morgan Kaufmann, p. 370-377.

Shenoy, Prakash, and B.R. Cobb, 2003. A Comparison of Methods for Transforming Belief Function Models to Probability Models. Published in T.D. Nielsen and N.L. Zhang (eds.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*. Lecture Notes in Artificial Intelligence, Vol. 2711, Berlin: Springer-Verlag, p. 255-266.

Shenoy, Prakash, and B.R. Cobb, 2003. Inference in Hybrid Bayesian Networks with Mixtures of Truncated Exponentials. Published in J. Vejnoraova (ed.), *Proceedings of the Sixth Workshop on Uncertainty Processing (WUPES-03)*. Hejnice, Czech Republic: VSE-Oeconomica Publishers, p. 47-63.

Shenoy, Prakash, and B.R. Cobb, July 2003, Revised February 2004. On Transforming Belief Function Models to Probability Models. Working Paper No. 293, School of Business, University of Kansas.

2002

Hillmer, Steve, 2002. Time Series Regressions. Chapter in *Modeling Intraindividual Variability with*

Repeated Measures Data: Methods and Applications, Moskowitz and Hershberger editors, Lawrence Erlbaum Associates: London.

Bell, W.R., and **Steve Hillmer**, 2002. Issues involved with the seasonal adjustment of economic time series. *Journal of Business and Economic Statistics*. 20th Anniversary Commemorative Issue, No. 20, p. 98.

Hillmer, Steve, and Dennis Karney, 2002. An Evaluation of the Foundations of Deming's Management Theory. Published in *Proceedings of Eighth Annual Deming Research Seminar*, New York.

Shenoy, Prakash, and P.H. Giang, 2002. Statistical Decisions Using Likelihood Information Without Prior Probabilities. Published in A. Darwiche and N. Friedman (eds.), *Uncertainty in Artificial Intelligence*. Vol. 18, San Francisco, CA: Morgan Kaufmann, p. 170-178.

Shenoy, Prakash, and Catherine Shenoy, 2002. Modeling Financial Portfolios Using Belief Functions. Published in R.P. Srivastava and T.J. Mock (eds.), *Belief Functions in Business Decisions*. Studies in Fuzziness and Soft Computing. Vol 88, Physica-Verlag, p. 316-332.

Shenoy, Prakash, B. Kemmerer, and S. Mishra, 2002. Bayesian Causal Maps as Decision Aids in Venture Capital Decision Making: Methods and Applications. *Proceedings of the Academy of Management Conference*.

2001

Hillmer, Steve, and Dennis Karney, 2001. In support of the Assumptions at the Foundation of Deming's Management Theory. *The Journal of Quality Management*. Vol. 6, p. 371.

Shenoy, Prakash, and R. Demirer, 2001. Sequential Valuation Networks: A New Graphical Technique for Asymmetric Decision Problems. Published in S. Benferhat and P. Besnard (eds.), *Symbolic and Quantitative Approaches to Reasoning with Uncertainty*. Lecture Notes in Artificial Intelligence, Vol. 2143, Springer-Verlag, p. 252-265.

Shenoy, Prakash, and P.H. Giang, 2001. A Comparison of Axiomatic Approaches to Qualitative Decision Making Using Possibility Theory. Published in J. Breese and D. Koller (eds.), *Uncertainty of Artificial Intelligence*. Vol. 17, San Francisco, CA: Morgan Kaufmann, p. 162-170.

Shenoy, Prakash, and S. Nadkarni, 2001. A Bayesian Network Approach to Making Inferences in Causal Maps. *European Journal of Operational Research*. Vol. 128, No. 2, p. 479-498.

Shenoy, Prakash, and B. Kemmerer, and S. Mishra, April 2001. Managing Venture Capital Investment Decisions: A Knowledge-Based Approach. Working Paper, School of Business, University of Kansas.

2000

Shenoy, Prakash, and P.H. Giang, 2000. A Qualitative Linear Utility Theory for Spohn's Theory of Epistemic Beliefs. Published in C. Boutilier and M. Goldszmidt (eds.), *Uncertainty in Artificial Intelligence*. Vol. 16, San Francisco, CA: Morgan Kaufmann, p. 220-229.

Shenoy, Prakash, and J. Kohlas, 2000. Computation in Valuation Algebras. Published in D. Gabbay and Ph Smets (eds.), *Handbook of Defeasible Reasoning and Uncertainty Management Systems, Volume 5: Algorithms for Uncertainty and Defeasible Reasoning*. Dordrecht: Kluwer Academic Publishers, p. 5-39.

Shenoy, Prakash, 2000. Valuation Network Representation and Solution of Asymmetric Decision Problems. *European Journal of Operational Research*. Vol. 121, No. 3, p. 579-608.

Shenoy, Prakash, and Catherine Shenoy, 2000. Bayesian Network Models of Portfolio Risk and Return. Published in Y.S. Abu-Mostafa, B. LeBaron, A.W. Lo, and A.S. Weigend (eds.), *Computational Finance 1999*. MIT Press, p. 87-106.

1999

Gordis, L., **Haug, M.**, McChesney, F.S., Sanders, J., "Evidentiary Reliability", *The Kansas Journal of Law & Public Policy*, Fall, 1999

Shenoy, Prakash, and C. Bielza, 1999. A Comparison of Graphical Techniques for Asymmetric Decision Problems. *Management Science*. Vol. 45, No. 11, p. 1552-1569.

Shenoy, Prakash, and P.H. Giang, 1999. On Transformations Between Probability and Spohnian Disbelief Functions. Published in K.B. Laskey and H. Prade (eds.), *Uncertainty in Artificial Intelligence*. Vol. 15, San Francisco, CA: Morgan Kaufmann, p. 236-244.

1998

Mallik Suman, D. Angirasa, S. Mahalingam, "Limitations of boundary layer analyses for buoyant convection in stably stratified fluids," *Numerical Heat Transfer Part A: Applications*, 34(6), 617-631, 1998

Shenoy, Prakash, and T. Schmidt, 1998. Some Improvements to the Shenoy-Shafer and Hugin Architectures for Computing Marginals. *Artificial Intelligence*. Vol. 102, No. 2, p. 323-333.

Shenoy, Prakash, and V. Lepar, 1998. A Comparison of Lauritzen-Spiegelhalter, Hugin, and Shenoy-Shafer Architectures for Computing Marginals of Probability Distributions. Published in G. Cooper and S. Moral (eds.), *Uncertainty in Artificial Intelligence*, Vol. 14, San Francisco, CA: Morgan Kaufmann, p. 328-337.

Shenoy, Prakash, and L. Liu, 1998. Conditional Belief Functions. *Proceedings of the Decision Sciences Institute 1998 Annual Meeting*, Las Vegas, NV, p. 589-591.

1997

Hillmer, Steve, and Dennis Karney, 1997. Towards Understanding the Foundations of Deming's Management Philosophy. *The Journal of Quality Management*. Vol. 2, p. 171.

Mallik, Suman, Cohen, M. A., "Global Supply Chains: Research and Applications," *Production and Operations Management*, Vol. 6, No. 3, pp. 193-210, Fall 1997

Shenoy, Prakash, 1997. Game Trees for Decision Analysis. *Theory and Decision*. Vol. 44, No. 2, p. 149-171.

Shenoy, Prakash, 1997. Binary Join Trees for Computing Marginals in the Shenoy-Shafer Architecture. *International Journal of Approximate Reasoning*. Vol. 17, Nos. 2-3, p. 239-263.

Shenoy, Prakash, and John Charnes, January 1997. A Forward Monte Carlo Method for Solving Influence Diagrams Using Local Computation. *Preliminary Papers of the Sixth International Workshop on Artificial Intelligence and Statistics*, Ft. Lauderdale, FL, p. 75-82.

Shenoy, Prakash, and C. Bielza, January 1997. A Comparison of Decision Trees, Influence Diagrams and Valuation Networks for Asymmetric Decision Problems. *Preliminary Papers of the Sixth International Workshop on Artificial Intelligence and Statistics*, Ft. Lauderdale, FL, p. 39-48.

1996

Hillmer, Steve, 1996. A Problem Solving Approach to Teaching Business Statistics. *The American Statistician*. Vol. 50, p. 249.

Shenoy, Prakash, and R. Guo, 1996. A Note on Kirkwood's Algebraic Method for Decision Problems. *European Journal of Operational Research*. Vol. 93, No. 3, p. 628-638.

Shenoy, Prakash, 1996. Binary Join Trees. Published in E. Horvitz and F.V. Jensen (eds.), *Uncertainty in Artificial Intelligence*, Vol. 12, San Francisco, CA: Morgan Freeman, p. 492-499.

Shenoy, Prakash, 1996. Axioms for Dynamic Programming. Published in A. Gammerman (ed.), *Computational Learning and Probabilistic Reasoning*. Chichester: John Wiley & Sons, p. 259-275.

Shenoy, Prakash, 1996. Representing and Solving Asymmetric Decision Problems Using Valuation Networks. Published in D. Fisher and H.-J. Lenz (eds.), *Learning from Data: Artificial Intelligence and Statistics V*, Lecture Notes in Statistics, Vol. 112, New York: Springer-Verlag, p. 99-108.

1995

Shenoy, Prakash, 1995. A New Pruning Method for Solving Decision Trees and Game Trees. Published in P. Besnard and S. Hanks (eds.), *Uncertainty in Artificial Intelligence*, Vol. 11, San Francisco, CA: Morgan Kaufmann, p. 482-490.

Shenoy, Prakash, Rajendra Srivastava, and G.R. Shafer, 1995. Propagating Belief Functions in AND-Trees. *International Journal of Intelligent Systems*. Vol. 10, p. 647-664.

Shenoy, Prakash, and L. Liu, 1995. A Theory of Coarse Utility. *Journal of Risk and Uncertainty*. Vol. 11, p. 17-49.

Shenoy, Prakash, 1995. Modeling Ignorance in Uncertainty Theories. Published A. Gammerman (ed.), *Probabilistic Reasoning and Bayesian Belief Networks*. UK: Alfred Waller, Henley-on-Thames, p. 71-96.

Shenoy, Prakash, and L. Liu, November 1995. A Decomposition Method for Asymmetric Decision Problems. *Proceedings of the Decision Sciences Institute 1995 Annual Meeting*, Vol. 2, Boston, MA, p. 589-591.

Shenoy, Prakash, January 1995. Representing and Solving Asymmetric Decision Problems. *Preliminary Papers of the Fifth International Workshop on Artificial Intelligence and Statistics*. Ft. Lauderdale, FL, p. 488-494.

1994

Shenoy, Prakash, 1994. Consistency in Valuation-Based Systems. *ORSA Journal on Computing*. Vol. 6, No. 3, p. 281-291.

Shenoy, Prakash, 1994. A Comparison of Graphical Techniques for Decision Analysis. *European Journal of Operational Research*. Vol. 78, No. 1, p. 1-21.

Shenoy, Prakash, 1994. Representing Conditional Independence Relations by Valuation Networks. *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*. Vol. 2, No. 2, p. 143-165.

Shenoy, Prakash, and Sanjay Mishra, 1994. Attitude Formation Models: Insights from TETRAD. Published in P. Cheeseman and R.W. Oldford (eds.), *Selecting Models from Data: Artificial Intelligence and Statistics IV*, Lecture Notes in Statistics, Vol. 89, Berlin: Springer-Verlag, p. 223-232.

Shenoy, Prakash, 1994. Conditional Independence in Valuation-Based Systems. *International Journal of Approximate Reasoning*. Vol. 10, No. 3, p. 203-234.

Shenoy, Prakash, 1994. Using Dempster-Shafer's Belief-Function Theory in Expert Systems. Published in R.R. Yager, M. Federizzi, and J. Kacprzyk (eds.), *Advances in the Dempster-Shafer Theory of Evidence*. New York: John Wiley & Sons, p. 395-414.

Shenoy, Prakash, 1994. A Discussion of Kyburg's "Believing on the Basis of Evidence." *Computational Intelligence*. Vol. 10, No. 1.

Shenoy, Prakash, 1994. Valuation Networks and Asymmetric Decision Problems. *Proceedings of the Fifth International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems*, Vol. 1, Paris, France, p. 153-158.

1993

Shenoy, Prakash, 1993. Information Sets in Decision Theory. Published in M. Clarke, R. Kruse, and S. Moral (eds.), *Symbolic and Quantitative Approaches to Reasoning and Uncertainty*. Lecture Notes in Computer Science. Vol. 747, Berlin: Springer-Verlag, p. 318-325.

Shenoy, Prakash, 1993. Valuation Networks, Decision Trees, and Influence Diagrams: A Comparison. Published in B. Bouchon-Meunier, L. Valverde, and R.R. Yager (eds.), *Uncertainty in Intelligent Systems*. Amsterdam: North-Holland, p. 3-14.

Shenoy, Prakash, 1993. Valuation Networks and Conditional Independence. Published in D. Heckerman and A. Mamdani (eds.), *Uncertainty in Artificial Intelligence*. Vol. 9, San Mateo, CA: Morgan Kaufmann, p. 191-199.

Shenoy, Prakash, 1993. A New Method for Representing and Solving Bayesian Decision Problems. Published in D.J. Hand (ed.), *Artificial Intelligence Frontiers in Statistics*. London: Chapman & Hall, p. 119-138.

Shenoy, Prakash, and Sanja Mishra, January 1993. Searching for Alternative Representation of Data: A Case for TETRAD. *Preliminary Papers of the Fourth International Workshop on Artificial Intelligence and*

Statistics. Ft. Lauderdale, FL, p. 375-380.

1992

Shenoy, Prakash, 1992. Using Possibility Theory in Expert Systems. *Fuzzy Sets and Systems*. Vol. 52, No. 2, p. 129-142.

Shenoy, Prakash, 1992. Valuation-Based Systems: A Framework for Managing Uncertainty in Expert Systems. Published in L.A. Zadeh and J. Kacprzyk (eds.), *Fuzzy Logic for the Management of Uncertainty*. New York: John Wiley & Sons, p. 83-104.

Shenoy, Prakash, 1992. Conditional Independence in Uncertainty Theories. Published in D. Dubois, M.P. Wellman, B. D'Ambrosio, and P. Smets (eds.), *Uncertainty in Artificial Intelligence*. Vol. 8, San Mateo, CA: Morgan Kaufmann, p. 284-291.

Shenoy, Prakash, 1992. Valuation-Based Systems for Bayesian Decision Analysis. *Operations Research*. Vol. 40, No. 3, p. 463-484.

1991

Shenoy, Prakash, 1991. On Spohn's Theory of Epistemic Beliefs. Published in B. Bouchon-Meunier, R.R. Yager, and L.A. Zadeh (eds.), *Uncertainty in Knowledge Bases*, Lecture Notes in Computer Science, Vol. 521. Berlin: Springer-Verlag, p. 2-13.

Shenoy, Prakash, 1991. A Fusion Algorithm for Solving Bayesian Decision Problems. Published in B. D'Ambrosio, P. Smets, and P.P. Bonissone (eds.), *Uncertainty in Artificial Intelligence*. Vol. 7, San Mateo, CA: Morgan Kaufmann, p. 361-369.

Shenoy, Prakash, 1991. On Spohn's Rule for Revision of Beliefs. *International Journal of Approximate Reasoning*. Vol. 5, No. 2, p. 149-181.

Shenoy, Prakash, 1991. Valuation-Based Systems for Discrete Optimization. Published in P.P. Bonissone, M. Henrion, L.N. Kanal, and J.F. Lemmer (eds.), *Uncertainty in Artificial Intelligence*. Vol. 6, Amsterdam: North-Holland, p. 385-400.

Shenoy, Prakash, July 1991. Valuation Networks: A New Graphical Representation and Solution Technique for Decision Problems. *Knowledge-Based Construction of Probabilistic and Decision Models*. Printed in *Workshop Notes* from the Ninth National Conference on Artificial Intelligence (AAA1-91). Anaheim, CA, p. 118-122.

1990

Shenoy, Prakash, 1990. Valuation-Based Systems for Propositional Logic. Published in Z. Ras, M. Zemankova, and M.L. Emrich (eds.), *Methodologies for Intelligent Systems*. Vol. 5, Amsterdam: North-Holland, p. 305-312.

Shenoy, Prakash, and G. Shafer, 1990. Probability Propagation, *Annals of Mathematics and Artificial Intelligence*, Vol. 2, Nos. 1-4, p. 327-352.

Shenoy, Prakash, and G. Shafer, 1990. Axioms for Probability and Belief-Function Propagation. Published in R.D. Shachter, T. Levitt, J.F. Lemmer, and L.N. Kanal (eds.), *Uncertainty in Artificial Intelligence*. Vol.

4, Amsterdam: North-Holland, p. 169-198. Reprinted in G. Shafer and J. Pearl (eds.), *Readings in Uncertain Reasoning*. San Mateo, CA: Morgan Kaufmann, p. 575-610.

Shenoy, Prakash, and G. Biswas, 1990. Belief Revision and Belief Maintenance in Artificial Intelligence: Guest Editors Introduction. *International Journal of Approximate Reasoning*. Vol. 2, Nos. 5-6. p. 319-322.

Shenoy, Prakash, and Rajendra Srivastava, June 1990. A Graphical System for Audit Planning and Evidence Aggregation. Proceedings of the *Fifth Annual Conference on Making Statistics More Effective in Schools of Business*. Lawrence, KS, p. 92-125.

1989

Shenoy, Prakash, and Y. Hsia, 1989. An Evidential Language for Expert Systems. Published in Z. Ras (ed.), *Methodologies for Intelligent Systems*. Vol. 4, Amsterdam: North-Holland, p. 9-16.

Shenoy, Prakash, K. Shriver, and D. Smith, 1989. The Potential Effects of Different Voting Rules on the FASB Due Process. Published in G.J. Previts (ed.), *Research in Accounting Regulation*. Vol. 3, Greenwich, CT: JAI Press, p. 125-132.

Shenoy, Prakash, 1989. A Valuation-Based Language for Expert Systems. *International Journal of Approximate Reasoning*. Vol. 3, No. 2, p. 383-411.

Shenoy, Prakash, and G. Shafer, July 1989. Constraint Propagation. *Proceedings of the IJCAI-89 Workshop on Constraint Processing*, Detroit, MI, p. 160-163.

Shenoy, Prakash, and Y. Hsia, June 1989. MacEvidence: A Visual Environment for Constructing and Evaluating Evidential Systems. *Proceedings of the World Conference on Information Processing and Communication (WOCON-INFOR 89)*, Seoul, South Korea, p. 20-25.

1988

Shenoy, Prakash, G. Shafer, and Rajendra Srivastava, 1988. Auditor's Assistant: A Knowledge Engineering Tool for Audit Decisions (with discussion). Published in R.P. Srivastava and J.E. Rebele (eds.), *Auditing Symposium*. Vol. 9, p. 61-83.

Shenoy, Prakash, G. Shafer, and K. Mellouli, 1988. Propagation of Belief Functions: A Distributed Approach. Published in J. F. Lemmer and L.N. Kanal (eds.), *Uncertainty in Artificial Intelligence*. Vol. 2, Amsterdam: North-Holland, p. 325-335.

Shenoy, Prakash, and G. Shafer, 1988. A Discussion of Lauritzen S.L., and Spiegelhalter, D.J., Local computations with probabilities on graphical structures and their application to expert systems. *Journal of Royal Statistical Society*, Vol. 50, Series B, p. 157-224.

Shenoy, Prakash, and G. Shafer, August 1988. Local Computation in Hypertrees. Working Paper No. 201, School of Business, University of Kansas.

1987

Shenoy, Prakash, G. Shafer, and K. Mellouli, 1987. Qualitative Markov Networks. Published in B. Bouchon and R.R. Yager (eds.), *Uncertainty in Knowledge-Based Systems*. Lecture Notes in Computer Science. Vol. 286, Berlin: Springer-Verlag, p. 69-74.

Shenoy, Prakash, P. Cohen, and G. Shafer, 1987. Modifiable Combining Functions. *Artificial Intelligence for Engineering Design, Analysis, and Manufacturing*. Vol. 1, p. 47-57.

Shenoy, Prakash, G. Shafer, and K. Mellouli, 1987. Propagating Belief Functions in Qualitative Markov Trees. *International Journal of Approximate Reasoning*. Vol. 1, No. 4, p. 349-400.

Shenoy, Prakash, 1987. Competitive Inventory Models. *RAIRO-Operations Research*. Vol. 21, p. 1-19.

1986

Shenoy, Prakash and G. Shafer, 1986. Propagating Belief Functions with Local Computations. *IEEE Expert*. Vol. 1, No. 3, p. 43-52.

1983

Shenoy, Prakash, and R. Martin, 1983. Two Interpretations of the Difference Principle in Rawls' Theory of Justice. *Theoria*. Vol. 49, No. 3, p. 113-141.

1982

Shenoy, Prakash, 1982. The Banzhaf Power Index for Political Games. *Mathematical Social Sciences*. Vol. 2, No. 3, p. 299-315.

Shenoy, Prakash, 1982. A Solution for Non-cooperative Games. *Journal of Optimization Theory and Applications*. Vol. 38, No. 4, p. 565-579.

1981

Shenoy, Prakash, and P.-L. Yu, 1981. Inducing Cooperation by Reciproactive Strategy in Non-zero-sum Games. *Journal of Mathematical Analysis and Applications*. Vol. 80, No. 1, p. 67-77.

1980

Shenoy, Prakash, 1980. A 3-person Cooperative Game Model of the World Oil Market. *Applied Mathematical Modeling*. Vol. 4, No. 4, p. 301-307.

Shenoy, Prakash, 1980. A 2-person Non-zero-sum Game Model of the World Oil Market. *Applied Mathematical Modeling*. Vol. 4, No. 4, p. 295-300.

Shenoy, Prakash, 1980. A Dynamic Solution Concept for Abstract Games. *Journal of Optimization Theory and Applications*. Vol. 32, No. 2, p. 151-169.

Shenoy, Prakash, 1980. On Committee Decision Making: A Game-Theoretical Approach. *Management Science*. Vol. 26, No. 4, p. 387-400.

1979

Shenoy, Prakash, 1979. On Coalition Formation: A Game-Theoretical Approach. *International Journal of Game Theory*. Vol. 8, No. 3, p. 133-164.

1978

Shenoy, Prakash, 1978. On Coalition Formation in Simple Games: A Mathematical Analysis of Caplow's and Gamson's Theories. *Journal of Mathematical Psychology*. Vol. 18, No. 2, p. 177-194.