

Vita

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Education

1963–1969 Honors B.A. in Mathematics, 1969, University of Utah
Magna Cum Laude, Phi Beta Kappa, Phi Kappa Phi, Tau Beta Pi, Eta Kappa Nu
1969–1971 M.S. in Electrical Engineering, 1971, University of Utah
1976–1983 Ph.D. in Electrical Engineering, 1983, Stanford University

Academic Positions

1995– Professor of Electrical Engineering, Brigham Young University
1984–1995 Associate Professor of Electrical Engineering, Brigham Young University
1991–1995 Adjunct Associate Professor, Utah State University

Industrial Experience

1972–1975 Rockwell International Corporation, Anaheim CA. Project Engineer, conducted post-flight accuracy analysis of Minuteman II weapons system.
1975–1984 ESL Inc., Sunnyvale, CA. Senior Engineer, conducted missile weapons performance analysis and assessments.

Publications

Books

- [1] T. K. Moon and W. C. Stirling. *Mathematical Methods and Algorithms in Signal Processing*. Prentice-Hall, Upper Saddle River, NJ, 2000.
- [2] W. C. Stirling. *Satisficing Games and Decision Making: with applications to engineering and computer science*. Cambridge Univ. Press, Cambridge, UK, 2003.

Book Chapters

- [1] W. C. Stirling. Multi-agent coordinated decision-making using epistemic utility theory. In E. Castelfranchi and E. Werner, editors, *Artificial Social Systems*, pages 164–183. Springer-Verlag, Berlin, 1994.
- [2] D. R. Morrell and W. C. Stirling. Set-valued kalman filtering. In G. Chen, editor, *Approximate Kalman Filtering*, chapter IV, pages 137–160. World Scientific, Singapore, 1993.
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Archival Journal Articles

- [1] W. C. Stirling and M. S. Nokleby. Satisficing coordination and social welfare for robotic societies. *International Journal of Social Robotics*, 1:53–69, 2009.
- [2] J. K. Archibald, W. C. Stirling, and M. S. Nokleby. Socially rational models for autonomous agents. *The Open Cybernetics and Systems Journal*, 2:122–141, 2008.

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- [4] J. K. Archibald, J. Hill, N. Jepsen, W. Stirling, and R. Frost. A satisficing approach to aircraft conflict resolution. *IEEE Transactions on Systems, Man, and Cybernetics (Part C)*, pages 510–521, 2008.
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- [12] W. C. Stirling and M. A. Goodrich. Satisficing games. *Information Sciences*, 114:255–280, March 1999.
- [13] M. A. Goodrich, W. C. Stirling, and R. L. Frost. Model predictive satisficing fuzzy logic control. *IEEE Trans. on Fuzzy Systems*, 7(3):319–332, 1999.
- [14] R. W. Beard, J. Kenney, J. Gunther, J. Lawton, and W. C. Stirling. Nonlinear projection filter based on galerkin approximation. *AIAA Journal of Guidance Control and Dynamics*, 22(2):258–266, March-April 1999.
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- [24] W. C. Stirling and M. Morf. A new decision-directed algorithm for nonstationary priors. *IEEE Transactions on Automatic Control*, 29(10):928–930, October 1984.

Conference Proceedings

- [1] W. C. Stirling and M. S. Nokleby. Rational coordination under risk: Coherence and the nash bargain. In *Proceedings of Fourth IEEE International Conference on Automation Science and Engineering*, pages 122–127, 2008.
- [2] W. C. Stirling and R. L. Frost. Reconciling group and individual preferences of multi-agent systems. In *Proceedings of the 2007 IEEE International Conference on Networks, Sensing, and Control*, pages 477–482, University of Brunel, London, UK, 15–17 August 2007.
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