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## EDUCATION

Massachusetts Institute of Technology, 1979-83. Ph.D., The Sloan School of Management, 1985, in system dynamics, with statistics.

Stanford University, 1967-69. Mathematics and education.

The University of Chicago, 1962-64. M.A.T. in mathematics, 1964.

Harvard College, 1958-62. A.B. in mathematics, 1962.

## PROFESSIONAL EXPERIENCE

Professor of public administration and policy, Rockefeller College of Public Affairs and Policy, University at Albany, 1987-present, and affiliated with the College of Computing and Information

- Visiting Professor in the Center for Science, Technology, and Public Policy at the Humphrey Institute of Public Affairs, University of Minnesota, spring 2009
- Chair of the Department of Public Administration and Policy, 1998-2001, 2003-2008.
- Director of the Master's Program in Public Administration, 2002-2003.
- Director of the Certificate Program for Advanced Study in Planning and Policy Analysis, 1989-98.
- Director of the Ph.D. Program in Public Administration, 1992-96.
- Director of the Master's Program in Public Affairs and Policy, 1989-91.

President of the System Dynamics Society, 1997; President-elect and program co-chair, International System Dynamics Conference, Cambridge, Massachusetts, July 1996.

Executive editor of the *System Dynamics Review*, 1988-1994.

Trustee, Creative Learning Exchange, Acton, Massachusetts, 1993-present.

Program Co-chair of the 1990 International System Dynamics Conference, Chestnut Hill, Massachusetts, July 1990.

Chair of the System Dynamics section of the Society for Computer Simulation Multiconference, La Jolla, CA, January 1989.

Associate professor of mathematics and computer science, Wheaton College, 1983-87.

Senior consultant, Federal Group Inc., South Natick, MA, the system dynamics consulting group of Eberstat-Fleming, 1986-87.

Vice president of the System Dynamics Society, for Publications, 1984-87, responsible for bringing into being the society's journal, the *System Dynamics Review*.

Research problems editor of *Dynamica*, 1982-85, and the *System Dynamics Review*, 1985-1994.

Instructor, Sloan School of Management, Massachusetts Institute of Technology, 1982 and 1983.

Research assistant, System Dynamics Group, Massachusetts Institute of Technology, 1980-1982.

Chairman of mathematics, Simon's Rock Early College, Great Barrington, MA, 1969-1979.

Visiting fellow in system dynamics, Massachusetts Institute of Technology, 1975-1976.

Research assistant, in testing and curriculum development, School Mathematics Study Group (SMSG), Stanford University, 1967-1969.

Teacher of mathematics:

The Laboratory Schools, The University of Chicago, 1965-1967.

Oak Park/River Forest High School, Oak Park, IL, 1963-65.

### **Consulting:**

• Early child care and education in Minnesota, 2009. • University of Palermo, 2009. • Transportation Security Administration, 2007. • Scottish Borders Regional Health Service, 2007. • Norsk Hydro, 2005. • Battelle and the National Cancer Institute, 2004. • Northwater Capital Management, 2003. • Basell, 2003. • Victoria Workcover Authority, Melbourne Australia, 1998, 1999. • New York Office of Real Property Services, 1998-1999. • New York State Governor's Office of Employee Relations, 1996, 1997. • New York State Department of Social Services, and Cortland, Dutchess, and Nassau Counties, 1996-98. • McKinsey & Company, 1995-2000. • New York State Office of Mental Health, 1994-1997. • Eastman Chemical Company, 1994-1996. • New York State Department of Probation and Correctional Alternatives, 1994. • New York City Office of Management and Budget, a workshop on homelessness, 1993. • Ford Executive Development Center, 1992. • Monmouth College, 1992. • New York State Department of Health, 1992. • Vermont Agency of Human Services, 1991. • New York State Department of Social Services, 1990, 1992. • New York State Insurance Department, 1987-1988. • Federal Group Inc., 1986-87. • Connecticut Department of Education, 1986. Digital Equipment Corporation, 1982, 1987. • Codex Corporation, 1980-1981. • The Society for the Protection of New Hampshire Forests, 1977, 1978.

### **HONORS**

President's Award for Excellence in Teaching, University at Albany, 2003.

Chancellor's Award for Excellence in Teaching, State University of New York, 2003.

Advisor for two national award-winning dissertations: Sauwakon Ratanawijitrasin, "The Dynamics of Health Care Finance: a Feedback View of System Behavior," 1993 dissertation prize of the National Association of Schools of Public Affairs and Administration; R. Kevin O'Neill, "The Network Structure of the Stock and Stock-Index Futures Markets," 1994 Academy of Management public sector dissertation award.

1993 Jay Wright Forrester Award, given by the System Dynamics Society for the most important written contribution to the field selected from among publications in the past five years, for *Feedback Thought in Social Science and Systems Theory* (1991).

Finalist, Second International Competition for Outstanding DSS Applications and

Achievements, TIMS/ORSA, 1991 (with J. Rohrbaugh, P. Reagan-Cirincione, S. Schuman, and S. Dorf).

Finalist, *Innovations in State and Local Government 1990*, New York: Ford Foundation, 1990 (with the Decision Techtronics Group of the Rockefeller Institute of Government, University at Albany, SUNY).

1985 Jay Wright Forrester Award, given by the System Dynamics Society for the most important written contribution to the field selected from among publications in the past five years, for *Introduction to System Dynamics Modeling with DYNAMO* (1981).

National Science Foundation Faculty Fellowship in Science Applied to Societal Problems, awarded 1974, undertaken at Massachusetts Institute of Technology, 1975-1976.

### **PROFESSIONAL INTERESTS**

Policy-oriented research and computer simulation concerning significant dynamic problems. The application of a feedback perspective, quantitative methods, and computer tools in public policy and public administration. Group decision support. Teaching and curriculum development in system dynamics, computer simulation, mathematical modeling, and public policy analysis.

### **OTHER EXPERIENCE and INTERESTS**

Backpacking, canoeing, and sailing including more than ten years experience as counselor and administrator at summer boys' camps. Assistant director of Camp Lanakila, Fairlee, VT, 1975 and 1976. Music: voice, guitar, autoharp, banjo, recorder, and piano. The Mountain Laurel Contradance Band, 1977-1979. Numerous choirs. Choir director of St. Stephen's Church, Delmar, 1996-2007. Photography. Warden of St. Stephen's Church, Delmar, 2003-2006.

**BOOKS and MONOGRAPHS**

Applications of System Dynamics Modeling in Marketing. Special issue of the *Journal of Business Research*, 61, 11 (2008), P. Otto and G.P. Richardson guest editors.

*Group Model Building*. special issue of the *System Dynamics Review* 13(2) (summer 1997), edited by J.A.M. Vennix, G.P. Richardson, and D.F. Andersen.

*Modelling for Management: Simulation in Support of Systems Thinking*, G.P. Richardson, ed. The International Library of Management. Aldershot, U.K.: Dartmouth Publishing Company, 1996.

*System Dynamics '96: Proceedings of the 1996 International System Dynamics Conference*, Cambridge, Massachusetts, July 1996, G.P. Richardson and J. D. Sterman, eds. Cambridge, MA: System Dynamics Society.

*Systems Thinkers, Systems Thinking*, G.P. Richardson, E. Wolstenholme, and J.D.W. Morecroft, eds. Special issue and conference edition of the *System Dynamics Review* 10,2-3 (summer-fall, 1994).

*Feedback Thought in Social Science and Systems Theory*. Philadelphia: University of Pennsylvania Press, 1991; reprinted by Pegasus Communications, 1999.

*Introduction to System Dynamics Modeling with DYNAMO*, with Alexander L. Pugh, III, The MIT Press, Cambridge, MA, 1981.; reprinted by Productivity Press, Portland, Oregon 1991; reprinted by Pegasus Communications, Waltham, MA 1998.

...Chinese translation: Tong-yi Yang, Shi-sheng Yang, Ying-hong Ye, Ani Yui Science and Technology Press, Shanghai, 1988.

*Theory and Applications of System Dynamics*, with Qifan Wang, Peter M. Senge, and Donella H. Meadows, New Times Press, Beijing, China, 1987.

*System Dynamics '90: Proceedings of the 1990 International System Dynamics Conference*, Chestnut Hill, Massachusetts, July 1990, edited with David F. Andersen and John D. Sterman, System Dynamics Society, Cambridge, MA.

*System Dynamics: Proceedings of the SCS Multiconference*, San Diego, January 4-6, 1989, edited with Susan Spencer, Society for Computer Simulation, San Diego, CA, 1989.

*Mathematics and Computing Computer Supplement*, Simon's Rock Early College, Great Barrington, MA, 1978.

**BOOK CHAPTERS**

How to Anticipate Change in Tobacco Control Systems, in *Greater Than the Sum: Systems Thinking in Tobacco Control*, A. Best, P.I. Clark, S.J. Leischow, W.M.K. Trochim, eds. National Cancer Institute, U.S. Department of Health and Human Services, National Institutes of Health, 2007.

Model Building for Group Decision Support: Issues and Alternatives in Knowledge Elicitation, with J.A.M. Vennix, D.F. Andersen, and J. Rohrbaugh, in *Modeling for Learning Organizations*, John D. W. Morecroft and John D. Sterman, eds. Portland, Oregon: Productivity Press, 1994.

System Dynamics: Simulation for Policy Analysis from a Feedback Perspective, in *Qualitative Simulation Modeling and Analysis*, P. A. Fishwick & P. A. Luker, eds. New York: Springer Verlag, 1991.

Decision Making in Dynamic Environments: Exploring Judgments in a System Dynamics Model-

Based Game, with John Rohrbaugh, in *Contemporary Issues in Decision Making*, Katrin Borcharding, Oleg I. Larchev, & David M. Messick, eds. Amsterdam: North Holland, 1990.

Corporate and Statewide Perspectives on the Liability Insurance Crisis, with Peter M. Senge, *Computer Based Management of Complex Systems: Proceedings of the 1989 International Conference of the System Dynamics Society, Stuttgart, July 10-14, 1989*, Peter M. Milling & Erich O.K. Zahn, eds. Berlin: Springer Verlag, 1989.

Eliciting Group Knowledge for Model-Building, with J.A.M. Vennix, D.F. Andersen, J. Rohrbaugh, and W.A. Wallace, *Computer Based Management of Complex Systems: Proceedings of the 1989 International Conference of the System Dynamics Society, Stuttgart, July 10-14, 1989*, Peter M. Milling & Erich O.K. Zahn, eds. Berlin: Springer Verlag 1989.

Heroin Addiction and its Impact on the Community, chapter 24 of N. Roberts, et al., *Introduction to Computer Simulation, a System Dynamics Approach*. Reading, MA: Addison-Wesley, 1983.

Writing System Dynamics Models in BASIC, Appendix A of the Instructor's Manual for *Introduction to Computer Simulation, a System Dynamics Approach*. Reading, MA: Addison-Wesley, 1983.

Member of writing teams for *Secondary School Mathematics* and *Calculus of Elementary Functions*, School Mathematics Study Group (SMSG), Stanford University, Stanford, CA, A. C. Vroman, 1969.

## ARTICLES

Integrating modes of policy analysis and strategic management practice: requisite elements and dilemmas. C. Eden, F. Ackermann, JM Bryson, GP Richardson, DF Andersen. *Journal of the Operational Research Society* 60,1 (January 2009).

Applications of System Dynamics Modeling in Marketing: Editorial. P Otto and GP Richardson, *Journal of Business Research*, 61, 11 (2008) 1099-1101.

Group model building: problem structuring, policy simulation and decision support . D F Andersen, J A M Vennix, G P Richardson, E A J A Rouwette. *The Journal of the Operational Research Society*. Oxford: May 2007. Vol.58, Iss. 5; 691-694.

Anatomy of a group model-building intervention: building dynamic theory from case study research. L.F. Luna-Reyes, I.J. Martinez-Moyano, T.A. Pardo, A.M. Cresswell, D.F. Andersen and G.P. Richardson. *System Dynamics Review* 22,4 (winter 2006):291-320.

Group Model Building: Problem Structuring, Policy Simulation, and Decision Support. D.F. Andersen, J.A.M. Vennix, G.P. Richardson, E.A.J.A. Rouwette. *Journal of Operational Research* (Fall 2006).

Andersen, D.F., J. M. Bryson, G.P. Richardson, C. Eden, F. Ackermann, C. Finn, 2006. Integrating Models of Systems Thinking into Strategic Planning Education and Practice: The Thinking Persons Institute Approach. *Journal of Public Affairs Education*,12,3 (Summer 2006): 265-293.

Waging a Ratio: Federal policy could set self-adjusting pay equity standard. Albany Times Union, Perspective section, B1-B2, 5 June 2005.

Using simulation models to address 'What If' questions about welfare reform, A.A. Zagonel, J. W. Rohrbaugh, G.P. Richardson, and D.F. Andersen, *Journal of Policy Analysis and Management* 23,4 (2004): 890-901.

Reflections for the future of system dynamics. *Journal of the Operational Research Society* 50,4 (1999): 440-449.

Problems in Causal-Loop Diagrams Revisited. *System Dynamics Review* 13,3 (fall 1997).

Introduction: Group Model Building -- Art and Science. J.A.M. Vennix, D.F. Andersen, and G.P. Richardson. *System Dynamics Review* 13,2 (summer 1997).

Scripts for Group Model Building. *System Dynamics Review* 13,2 (summer 1997), D.F. Andersen and G.P. Richardson.

A Framework for Evaluating Systems Thinking Interventions: Lessons from a Pilot Test of an Experimental Approach. S. Huz, D.F. Andersen, G.P. Richardson, and R. Boothroyd. *System Dynamics Review* 13,2 (summer 1997).

Group Model Building: Adding More Science to the Craft. D.F. Andersen, G.P. Richardson, and J.A.M. Vennix. *System Dynamics Review* 13,2 (summer 1997).

Problems with Causal-Loop diagrams, with Colleen Lannon. *The Systems Thinker* 7,10 (Dec 1996/Jan 1997).

Problems for the Future of System Dynamics. *System Dynamics Review* 12,2 (summer 1996).

System Dynamics. In *Encyclopedia of Operations Research and Management Science*, Saul Gass and Carl Harris, eds. Norwell, MA: Kluwer Academic Publishers, 1996.

Teamwork in Group Modeling Building, with David F. Andersen. *System Dynamics Review* 11,2 (summer 1995).

Loop Polarity, Loop Dominance, and the Concept of Dominant Polarity. *System Dynamics Review* 11,1 (spring 1995).

Model Building for Group Decision Support: Issues and Alternatives in Knowledge Elicitation, with Jac A.M. Vennix, David F. Andersen, and John Rohrbaugh, in *Modelling for Learning, European Journal of Operations Research*, 59,1, (1992).

Decision Modeling: Tools for Strategic Thinking, with Patricia Reagan-Cirincione, Sandor Schuman, Stanley Dorf, finalist in TIMS/ORSA Second International Competition for Outstanding DSS Applications and Achievements, *Interfaces* 21,6 (Nov-Dec 1991).

What Are We Publishing? A View from the Editor's Desk. *System Dynamics Review* 7,1 (winter 1991).

A Petroleum Lifecycle Model for the United States with Endogenous Technology, Exploration, Discovery, Recovery, and Demand, with Pål Davidsen and John D. Sterman, *System Dynamics Review* 6,1 (Winter 1990).

Improving Connecticut School Aid: A Case Study with Model-Based Policy Analysis, with Robert E. Lamitie, *Journal of Education Finance* 15,2 (1989).

Synthetic Data Experiments Using System Dynamics Models: a survey of results and a research agenda, with Catherine M. Crawford and David F. Andersen, *System Dynamics Review* 5,2 (Summer) 1989.

Modeling the Estimation of Petroleum Resources in the United States, with John D. Sterman and Pål Davidsen, *Technological Forecasting and Social Change*, 33,4 (1988) 219-249.

Reconsidering Area Approximations, *American Mathematical Monthly*, 95,8 (October 1988).

A Note on Migratory Dynamics, with John D. Sterman, *System Dynamics Review*, 4(1-2) 1988.

Problems with Causal-Loop Diagrams, *System Dynamics Review*, 2,2 (Summer 1986) 158-170.

Dominant Structure, *System Dynamics Review*, 2,1 (Winter 1986) 68-75.

An Experiment to Evaluate Methods for Estimating Fossil Fuel Resources, with John D. Sterman, *Journal of Forecasting*, 4 (1985) 197-226.

Entrained Oscillations in Piñon Pine, with Mary E. Floyd, *Dynamica*, 10,1 (Summer 1984) 39-41.

The Dynamics of Estimates of Petroleum Resources, *Dynamica*, 8,1 (Summer 1982) 54-56.

Toward a Pedagogy of System Dynamics, with David F. Andersen, in *System Dynamics, TIMS Studies in the Management Sciences*, vol. 14 (1980) 91-106.

Combining Teaching and Research in System Dynamics, with David F. Andersen, *Dynamica*, Summer 1979.

### **INVITED PRESENTATIONS and PLENARY CONFERENCE PAPERS**

On the Foundations of System Dynamics. Invited plenary presentation at System Dynamics and Marketing Strategy Conference, Cornell University, May 2007

Model Validation as an Integrated Social Process. Invited presentation at the Workshop on System Dynamics Modeling of Physical and Non-Physical Systems for National Security, sponsored by Booz, Allen, Hamilton, Inc., held in Washington, DC, 21-22 April 2005.

An Expert View of the System Dynamics Modeling Process: Concurrences and Divergences Searching for Best Practices in System Dynamics Modeling, with I.J. Martinez-Moyano, Plenary paper and facilitated panel discussion, *Proceedings of the 2002 International System Dynamics Conference, Palermo, Sicily*, July 2002. Albany, NY: System Dynamics Society.

Best Practices in System Dynamics Modeling, with Ignacio Martinez. Plenary paper and presentation, *Proceedings of the 2001 International System Dynamics Conference, Atlanta, Georgia*, July 2001. Albany, NY: System Dynamics Society.

Insightful Little Models, Opening keynote address to the Conference on Systems Thinking and System Dynamics in K-12 Education, Skamania, WA, June 2000.

System Dynamics and Strategic Security Issues, Opening keynote presentation, Systems Thinking and System Dynamics in National Security Conference, National Defense University, Washington, D.C., May 15-17, 2000.

"...To enable Freshmen to do what once strained Newton's powers..." Opening keynote address to the Conference on Systems Thinking and System Dynamics in K-12 Education, Nashua, NH, June 1998.

President's address to the System Dynamics Society, 15th International System Dynamics Conference, Istanbul Turkey, August 1997.

Chaos Is Highly Overated, or Why I Am Worried about the Chaos in Management Literature. Invited talk to the President's dinner seminar at the National Defense University, Fort McNair, Washington, D.C., Feb. 14, 1997.

Keynote speech at the Systems Thinking in Education Conference, sponsored by the Creative Learning Exchange, held at Wheaton College, July 16-19, 1996.

Problems for the Future of System Dynamics. Plenary presentation: *Proceedings of the 1995 International System Dynamics Conference, Tokyo*, Aug. 1-4, 1995.

Chaos from Generic Structures, a Cautionary Tale. Plenary presentation: *Proceedings of the 1995*

*International System Dynamics Conference, Tokyo, Aug. 1-4, 1995.*

The 1993 Forrester Award Lecture: *Reflections on the history of feedback thought*. The 1993 International System Dynamics Conference, Cancún, Mexico, July 1993.

Decision Conferencing using STELLA and HiView, with David F. Andersen, Symposium on Group Support Systems and the Management of Large-Scale Change, Academy of Management Annual Meeting, August 1992.

The Relation of Business Cycles to Defense Investment Cycles: a System Dynamics View of Socio-economic oscillations. *Defense Investment Cycles: their Nature and their Impact on Systems Management*, a colloquium at the Fels Center of Government, University of Pennsylvania, July 1992.

Group Model Building, with David F. Andersen, John Rohrbaugh, and William Steinhurst, plenary presentation, *Proceedings of the 1992 International System Dynamics Conference*, Utrecht, The Netherlands, July 1992.

Utilizing System Dynamics and Simulation, invited commentary, *Computers in Education - the Nordic Way*, Helsingborg, Sweden, November 4 - 8, 1991.

Caveats about Chaos, invited opening plenary presentation, The First Annual Chaos Network Conference, Washington, D.C., June 12 - 14, 1991.

Decision Conferencing GDSS: The University at Albany, invited panel at DSS '90, the 1990 Conference of the Decision Support Systems Group of The Institute for Management Science, Cambridge, MA, October, 1990; with John Rohrbaugh (chair), Patricia Reagan, Anna Vari, Anne McCartt, and Sandor Schuman.

Nonlinearity, Loop Dominance, and Bifurcations, invited plenary session at the 1990 Gordon Research Conference on Communication and Control in Complex Systems, Tilton, NH, July 1990.

Reflections: Modeling in Conversation, invited plenary session at the 1989 Conference of the American Society for Cybernetics, Virginia Beach, November 1989.

Insights from System Dynamics Simulations, invited lecture and teachers' workshop at the Third International Symposium on Industrial Engineering and Systems, Instituto Tecnológico y de Estudios Superiores de Monterrey, San Luis Potosi, Mexico, April 1989.

The Feedback Concept in American Social Science, with Implications for System Dynamics, plenary paper at the 1983 International System Dynamics Conference, Chestnut Hill, MA, July 1983, published in the Proceedings of the 1983 International System Dynamics Conference.

Managing a Public Recreational Area: A System Dynamics Study of Mount Monadnock, invited presentation, American Society of Public Administration, State University of New York at Albany, November, 1978.

## WORKING PAPERS and CONFERENCE PAPERS

Eden, C., F. Ackermann, G.P. Richardson, J. Bryson, D.F. Andersen, C. Finn, Integrating Modes of Policy Analysis and Strategic Management Practice: Requisite Elements and Dilemmas. *Proceedings (refereed) of the British Academy of Management Conference* at the University of Warwick, September 2007.

Andersen, D.F., and G.P. Richardson, Improvising Around Roles and Scripts in Group Model Building. Group Decision and Negotiation Conference, INFORMS, Mount Tremblant, Quebec, May 2007.

Luna-Reyes, L.F., D.F. Andersen, G.P. Richardson, T. Pardo, A. Cresswell, Emergence of the Governance Structure for Information Integration Across Governmental Agencies: A System Dynamics Approach, 8th International Digital Government Research Conference, Philadelphia, May 2007.

Concept Models. International System Dynamics Conference, Nijmegen, Netherlands, July 2006.

Jarzynka, K. and G.P. Richardson. 2006. Low Income Housing in the Context of Jay Forrester's Urban Dynamics: A Lesson in Framing. International System Dynamics Conference, Nijmegen, Netherlands, July 2006.

Ulli-Ber, S. et al. Understanding and Accelerating the Diffusion Process of Energy-Efficient Buildings. International System Dynamics Conference, Nijmegen, Netherlands, July 2006.

OLF-IRMA-AMBASEC Group Model Building Technical Report, vols. I and II, E. Rich, D. F. Andersen, G.P. Richardson. Rockefeller College of Public Affairs and Policy, University at Albany, SUNY, 2006.

How to Anticipate Change in Tobacco Control Systems, G.P. Richardson, A. Roggio, W.M. Trochim, Chapter 5 of *Greater than the Sum: Systems Thinking in Tobacco Control*, Eds. Allan Best, Pamela I. Clark, Scott J. Leischow, William M. K. Trochim. National Cancer Institute monograph, December 2005.

Integrating Modes of Systems Thinking into Strategic Planning Education and Practice: The TPI Approach. D. F. Andersen, J. Bryson, G. P. Richardson, F. Ackermann, C. Eden, C. Finn. Conference of the National Association of Schools of Public Administration and Affairs, Washington, DC, October 2005.

A System Dynamics Study of a Commodity Plastics Industry, with Lester Burton, Seetha Colemann-Kammula, John Sterman, and David F. Andersen. International System Dynamics Conference, Boston, MA July 2005.

Group Modeling of IT-Based Innovations in the Public Sector, with Luis Luna-Reyes, Ignacio Martinez-Moyano, Theresa Pardo, Anthony Cresswell, and David Andersen. International System Dynamics Conference, Boston, MA July 2005.

Joining Minds: Group Modeling to Link People, Process, Analysis, and Policy Design, with David F. Andersen and Luis F. Luna-Reyes. Association of Public Policy Analysis and Management conference, Atlanta, GA October 2004.

Emergence of the Governance Structure for Information Integration across Governmental Agencies: A System Dynamics Approach, with Luis Luna-Reyes, et al., International System Dynamics Conference, Oxford, England, July 2004

Using a system dynamics-SWM model to inform policymaking for solid waste management at the local level, with Silvia Ulli-Ber and David F. Andersen, International System Dynamics Conference, Oxford, England, July 2004

A system dynamics choice structure for policy compliance: Micro behavior explaining aggregated recycling dynamics, with Silvia Ulli-beer and David F. Andersen, International System Dynamics Conference, Oxford, England, July 2004

Scripts for Group Model Building: Modeling the emergence of governance for information integration across government agencies, with Luis Luna Reyes et al., International System Dynamics Conference, Oxford, England, July 2004

A Dynamic Theory of Collaboration: a Structural Approach to Facilitating Intergovernmental Use of Information Technology, with Laura Black et al., HICSS-36, January 2003.

Modeling Intergovernmental Collaboration: a System Dynamics Approach, with Cresswell, et al., HICSS-35, Hawaii, January 2002.

Asking 'What If' Questions in Welfare Reform, with D.F. Andersen, Conference of the Association of Public Policy Analysis and Management, Dallas, Texas, November 7-9, 2002.

Evolution of a Dynamic Theory of Collaboration: Modeling Intergovernmental Use of Information technology, with A.M. Cresswell, L.J. Black, D. Canestraro, M. Cook, T. Pardo, F. Thompson, L. Luna, I. Martinez-Moyano, and D.F. Andersen, *Proceedings of the 2002 International System Dynamics Conference, Palermo, Sicily, July 2002*. Albany, NY: System Dynamics Society.

Misattribution in Welfare Dynamics: The Puzzling Dynamics of Recidivism, with D.F. Andersen and Yi Jung Wu, *Proceedings of the 2002 International System Dynamics Conference, Palermo, Sicily, July 2002*. Albany, NY: System Dynamics Society.

The Future of System Dynamics and Learner-Centered Learning in K-12 Education, with L.N. Stuntz & D.A. Lyneis, *Proceedings of the 2002 International System Dynamics Conference, Palermo, Sicily, July 2002*. Albany, NY: System Dynamics Society.

Threshold Setting and the Cycling of a Decision Threshold, with E.A. Weaver, *Proceedings of the 2002 International System Dynamics Conference, Palermo, Sicily, July 2002*. Albany, NY: System Dynamics Society.

The Cycling of a Decision Threshold: A System Dynamics Model of the Taylor-Russell Diagram, with Elise Weaver. *Proceedings of the 2001 International System Dynamics Conference, Atlanta, Georgia, July 2001*. Albany, NY: System Dynamics Society.

Group Modeling of IT-Based Innovations in the Public Sector, with A. Cresswell, T. Pardo, I. Martinez, L. Luna, and D. Andersen. *Proceedings of the 2001 International System Dynamics Conference, Atlanta, Georgia, July 2001*. Albany, NY: System Dynamics Society.

Mapping versus Modeling: THE Answer to the Debate. *Proceedings of the 2001 International System Dynamics Conference, Atlanta, Georgia, July 2001*. Albany, NY: System Dynamics Society.

A Preliminary System Dynamics Model of Intergovernmental Collaboration, with A. Cresswell, D. Canestraro, M. Cook, T. Pardo, F. Thompson, L. Black, I. Martinez, L. Luna, and D. Andersen. *Proceedings of the 2001 International System Dynamics Conference, Atlanta, Georgia, July 2001*. Albany, NY: System Dynamics Society.

Can System Dynamics Models Learn? *Proceedings of the 2000 International System Dynamics Conference, Bergen, Norway, August 2000*. Albany, NY: System Dynamics Society.

The TPI Framework: An Integrated Approach to Strategy Development, with Fran Ackermann, David, Andersen, John Bryson, Colin Eden, and Charles Finn. *Proceedings of the 2000 International System Dynamics Conference, Bergen, Norway, August 2000*. Albany, NY: System Dynamics Society.

Using Group Model Building to Support Strategic Reform of the Real Property Tax System in New York State: A Case Study. *Proceedings of the 2000 International System Dynamics Conference*, Bergen, Norway, August 2000. Albany, NY: System Dynamics Society.

In Search of Theories of Dynamic Decision Making: A Literature Review, with Naiyi Hsiao. *Proceedings of the 1999 International System Dynamics Conference*, Wellington, New Zealand, August 1999. Albany, NY: System Dynamics Society.

The Art and Science of Constructing System Stories, with Mohammad Mojtahedzadeh and David F. Andersen. *Proceedings of the 1998 International System Dynamics Conference*, Quebec City, Canada, July 1998. Albany, NY: System Dynamics Society.

Group Model Building to Support Welfare Reform Part II: Dutchess County, with Robert Allers, Robert Johnson, D. F. Andersen, T. P. Lee, J. W. Rohrbaugh, and A. Zagonel-Santos. *Proceedings of the 1998 International System Dynamics Conference*, Quebec City, Canada, July 1998. Albany, NY: System Dynamics Society.

A Judgment Approach to Estimating Parameters in Group-Model Building Sessions: A Case Study of Social Welfare Reform at Dutchess County, with , T. P. Lee, D. F. Andersen, J. W. Rohrbaugh, and A. Zagonel-Santos. *Proceedings of the 1998 International System Dynamics Conference*, Quebec City, Canada, July 1998. Albany, NY: System Dynamics Society.

Evaluating Group Model Building in Mental Health and Vocational Rehabilitation Service Delivery, with Steven Huz, D. F. Andersen, and R. Boothroyd. *Proceedings of the 1996 International System Dynamics Conference*, Cambridge, Massachusetts, July 1996. Albany, NY: System Dynamics Society.

Foundations of Mental Model Research, with David F. Andersen, Terrence A. Maxwell, and Thomas R. Stewart. *Proceedings of the 1994 International System Dynamics Conference*, Stirling, Scotland, July 1994; Vol: Problem-Solving Methodologies, pp. 181-192. Albany, NY: System Dynamics Society.

Mental models and dynamic decision making in a simulation of welfare reform, with D.F. Andersen, T.A. Maxwell, and T. R. Stewart. *Proceedings of the 1994 International System Dynamics Conference*. July 1994, Stirling, Scotland; Vol: Social and Public Policy, pp. 11-28. Albany, NY: System Dynamics Society.

A Pocket Model of Global Warming for Policy and Scientific Debate, with D. S. Bernstein and T. R. Stewart. *Proceedings of the 1994 International System Dynamics Conference*, Stirling, Scotland, July 1994; Vol: Organizational Environments, pp. 8-18. Albany, NY: System Dynamics Society.

The Role of Cognition and Simulation Modeling in Government Response to Creeping Environmental Phenomena, with T.R. Stewart. In M.H. Glantz, ed., *Creeping Environmental Phenomena and Societal Responses to Them*; proceedings of a workshop held 7-9 Feb 1994 in Boulder, Colorado. Boulder, CO: Environmental and Societal Impacts Group, National Center for Atmospheric Research, pp. 11-22.

Decision Conferencing using STELLA and HiView: Accelerated Group Model Building for Public Policy Support, in a symposium on Group Decision Support Systems and the Management of Large-Scale Change at the Academy of Management annual meeting, Las Vegas, Nevada, August 7-12, 1992.

Vermont Medicaid Interim Report, with David F. Andersen and Sauwakon Ratanawijitrasin, working paper, Rockefeller College of Public Affairs and Policy, October 1991.

Learning through simulated experience: Building a computer-based learning environment to help public managers implement the JOBS program, with Terrence Maxwell, David F. Andersen, and Tom Stewart, presented at the National Public Management Research Conference, Maxwell School, Syracuse University, September 1991.

Simulation Modeling to Enhance Information System Design: The Case of Welfare Reform, with David F. Andersen, Irene Lurie, and Sauwakon Ratanawijitrasin, presented at the ORSA/TIMS Joint National Meeting, Philadelphia, PA, October 1990.

Simulating the Dynamics of Social Program Management: The Case of JOBS Implementation, with David F. Andersen, Irene Lurie, and Sauwakon Ratanawijitrasin, presented at the annual research conference of the Association for Public Policy Analysis and Management, San Francisco, CA, October 1990.

Caseload and Fiscal Implications of the foster Care Baby Boom, executive summary report to Joseph Semidei, Deputy Commissioner, and James Purcell, Associate Commissioner, of the New York State Department of Social Services, with Fred H. Wulczyn, David F. Andersen, and Eric A. Wuestman, September 1990.

A System Dynamics Simulation of Caseload and Fiscal Implications of the Foster Care Baby Boom in New York City, with Fred H. Wulczyn, David F. Andersen, and Eric A. Wuestman, September 1990.

Issues in Designing Interactive Games Based on System Dynamics Models, with David F. Andersen, Ik Jae Chung, and Thomas Stewart, *Proceedings of the 1990 International System Dynamics Conference*, Chestnut Hill, Massachusetts, July 1990.

A Behavioral Simulation Model of Single and Iterative Negotiations, with Thomas A. Darling, *Proceedings of the 1990 International System Dynamics Conference*, Chestnut Hill, Massachusetts, July 1990.

The Implementation of Welfare Reform Initiatives: A Preliminary System Dynamics Model, with Sauwakon Ratanawijitrasin, David F. Andersen, and Irene Lurie, *Proceedings of the 1990 International System Dynamics Conference*, Chestnut Hill, Massachusetts, July 1990.

Medical Malpractice Insurance: Policy Implications and Evaluations, volumes I and II, final report for the New York State Insurance Department, with Sandor Schuman, Decision Techtronics Group, The Rockefeller Institute of Government, The University at Albany – SUNY, Albany, NY 12222 (December 1987). Cited in *A Balanced Prescription for Change: Report of the New York State Insurance Department on Medical Malpractice*, James P. Corcoran, Superintendent of Insurance.

A System Dynamics Model of Carbon Allocation in Mast Fruiting in Piñon Pines, with Mary E. Floyd. Poster paper at the 1987 joint meeting of the American Institutes of Biological Sciences and the Ecological Society of America in Columbus, Ohio, and at the 1988 International System Dynamics Conference in San Diego.

Modeling School Finance Policy: Using Simulation to Test *a priori* Assumptions, with David F. Andersen and Robert E. Lamitie, *Proceedings of the 1986 International System Dynamics Conference*, Seville, Spain, October 1986.

Connecticut Educational Finance Modeling Project Final Report, with David F. Andersen, 1986.

Sources of Rising Product Development Times, working paper WP1327-82, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, MA, 1982.

Understanding Phase and Gain, working paper D-3349, System Dynamics Group, E40-294, Massachusetts Institute of Technology, Cambridge, MA, 1982.

Statistical Evaluation of Parameters in a Predator-Prey Model: an Exploration Using Synthetic Data, working paper D-3314-1, System Dynamics Group, E40-294, Massachusetts Institute of Technology, Cambridge, MA, 1981.

Analysis of Mental Health Time Series, with Edward Kaplan, 1981.

The Dynamics of Municipal Debt Accumulation: Unintended Consequences of Deficit Financing, with Rudy F. Runko and David F. Andersen, *Proceedings of the 1979 Computer Simulation Conference*, University of Pittsburgh, 1979.

A Core Curriculum in System Dynamics, with David F. Andersen, working paper GSPA 1-79, The Rockefeller College, State University of New York at Albany, Albany, NY 12222.

A System Dynamics Study of Mount Monadnock, 1977.