

**G. R. WAGNER, PhD**

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**BIO:** Successful software technology entrepreneur. Have built successful software companies from start up through successful products in the worldwide market place. Legendary visionary for product innovation and creativity, and abilities to recruit, mentor, and retain exceptional people.

Tenured Professor of Operations Research and Industrial Engineering, College of Engineering at the University of Texas and subsequent Distinguished Visiting Professor positions at Texas A&M University and the University of Texas. While at the University of Texas supervised 6 PhD dissertations, on an additional 8 PhD committees, supervised 7 MSc Theses, and on 6 additional MSc thesis committees.

**WORK EXPERIENCE:**

***Head, Experimental Statistics, R&D Laboratories***

Swift and Company (Esmark), Chicago, Illinois *July 1964 to July 1966*  
Experimental design of research laboratory experiments.  
Analysis of research data.  
Documentation and presentation of research results.  
Recommended new products based upon scientific research results.  
Managed staff of 5 research statisticians.

***Manager, Corporate Operations Research Department***

Swift and Company (Esmark), Chicago, Illinois *August 1966 to July 1968*  
Started corporate Operations Research/Management Sciences Department.  
One of the first corporate OR departments in the world.  
Recruited and managed staff of 7 professional staff members.  
Initiated and implemented several large-scale corporate modeling projects.

***Vice President Consulting Services***

MRI Systems, Austin, TX *August 1968 to August 1969*  
In charge of consulting and training services for software start-up.  
Education support for enterprise database management software product.  
Developed and taught executive workshops on Computer Based Computer Decision Making.

***Head, Operations Research***

College of Engineering, University of Texas *August 1969 to June 1978*  
Managed all departmental activities for staff of 6 Professors and administrative staff.  
Taught graduate level Statistics courses.  
Received several teaching honors.  
Awarded several research grants.  
Pioneer research on:  
Computer based education.

Expert Systems.  
Artificial Intelligence.  
Electronic "War Rooms".  
English-like modeling systems.

**Founder and CEO**

Execucom Systems, Inc., Austin, TX

*July 1978 to June 1984*

Designed and developed interactive financial planning software (IFPS™) and Executive Information Systems (EIS) software.  
Built and managed company from start to 275 employees and \$22 million in sales.  
Worldwide sales channels.  
Twelve hundred corporate customers in the Fortune 1500.  
Fifteen hundred academic customers worldwide.  
First University Support Program for a software company.  
Venture capital investments after achieving \$10 million in revenue.  
Legendary success in innovative products, recruiting and retaining exceptional people and customer satisfaction.  
Original prototypes of "electronic war rooms".  
Company acquired by GTE in 1984.

**Distinguished Visiting Professor**

*Spring Semester, 1987*

University of Texas, Management Science and Information Systems, Austin, TX

Developed and taught graduate course on Group Decision Support Systems.

**Founder and CEO**

Collaborative Technologies, Inc., Austin TX

*January 1989 to August 1991*

Designed and built one of the first groupware/group collaboration software products (VisionQuest™ for real time electronic meetings).  
Built corporate infrastructure including direct sales organization.  
Venture capital backed.  
Acquired by leading competitor.

**Distinguished Visiting Professor**

Texas A&M University, College Station, TX

*Spring Semester 1990*

Developed and taught graduate course on Group Decision Support Systems.  
Obtained research grant to build Group Decision Support Facility.  
Supervisor and committee member on PhD dissertation.  
Faculty and student seminar series on software entrepreneurship.

**Founder and CEO**

Milagro Systems, Inc., Santa Fe, New Mexico

*September 1992 to July 1996*

Designed software for novice computer users to create multi-media books.  
Web development tools and the Internet caused the product to be non competitive.

**Founder and CEO**

WebIQ, Inc., Austin, Texas

*July 1999 to November 2000*

Designed and developed Web based group decision support software.  
Recruited employees and built infrastructure.  
Delivered highly regarded product in 6 months.  
Built selling partner channel that produced \$100,000 in revenue 3 months after start up of marketing strategy.  
Fulfilled all roles of President, CEO, VP of Sales and VP of Marketing.  
Venture capital backed.

Company product licensed to IBT Technologies.

***Distinguished Research Fellow***

*Peter Kiewit Institute, College of Information Science and Technology, University of  
Nebraska, Omaha* *September 2001 to present*

***Director, Academy for Advanced Decision Support***

*Peter Kiewit Institute, College of Information Science and Technology, University of  
Nebraska, Omaha* *November 2001 to present*

**Scholarly Work since returning to academics in the Fall Semester, 2001**

Except for Visiting Professorships at Texas A&M and the University of Texas (one semester each), Dr. Wagner separated from academic work in 1978. From 1970-1978 he was Head of the Operations Research Group, College of Engineering, University of Texas at Austin.

Since returning to academics at the University of Nebraska, Omaha, he has done the following academic work:

1. Started the International Academy for Advanced Decision Support a group of over 100 scholars in Decision Support Systems.
2. Was Chairman in 2002, 2003, and 2004 for the DSS Thought Leaders Summit an invitational conference to identify research themes for Decision Support Systems.
3. Started the PKI multimedia laboratory.
4. Started the Interaction Design and Development Lab.
5. Homeland Security Proposal entitled Economic Strategic Defense: Rehearsing the Future with Decision Support Systems. This proposal was in the final 4 out of an initial 72 proposals that was selected for a site visit. The grant was given to the University of Southern California. The award was for \$8 million.
6. Co Investigator for Homeland Security Proposal to create the National Food Security Research Center (NFSRC). Award has not yet been announced. Total award will be \$8 million. Wagner's part is for \$350,000. Not funded.
7. Proposal for STRATCOM for a workshop on Advanced Decision Support technologies. Amount of money received, \$50,000.
8. Proposal for Northrop Grumman for consulting on Decision Support Architecture for the new DOD war planning system. Amount of money received, \$60,000.
9. Proposal for Union Pacific Railroad for the design of a car management simulator. Amount of money received, \$25,000.
10. Proposal for the First National Bank for seed money to start the Nebraska Applied Multimedia Institute. Amount of money received, \$50,000.
11. NRI proposal for \$170,000 for seed money to start the Interaction Design and Development Lab. This was not funded.
12. Proposal to the Gallup Organization for the PKI/Gallup Design Lab. Funding of \$135,000.
13. Invited speaker at International Conference on Creativity and Innovation in Decision Making and Decision Support, London, June, 2006.
14. Co author of chapter in book entitled "Intelligent Decision-making Support Systems," published April 2006 by Springer publishing. The chapter is in the "Trends" section and entitled "A Software Laboratory for Advancing Decision Support Simulation".
15. Invited speaker on Visual Discovery, Infotec 2006, Executive Symposium, April 5, 2006.

16. Appointed as a Gallup Senior Scientist on the Gallup distinguished science advisory council. Their contributions serve to further Gallup's mission and ensure that research and development programs are on the cutting edge. Other members include:

- Bruce J. Avolio, Ph.D., internationally recognized researcher on leadership.
- Vinton G. Cerf, Ph.D., widely known as an Internet evangelist and principal collaborator in the development of the Internet.
- Deepak Chopra, M.D., leading authority on "connectedness" and how one-to-one relationships affect peace throughout the world.
- Don A. Dillman, Ph.D., principal authority on survey research data collection methodologies.
- John L. Esposito, Ph.D., a world renowned scholar on Islam, political Islam, and the impact of Islamic movements in Africa and Asia.
- Richard Florida, Ph.D., leading expert on the global competition for creative talent.
- Daniel Kahneman, winner of the Nobel Prize in economics.
- Sang M. Lee, Ph.D., internationally known expert in the fields of decision sciences, productivity management, and global business.
- Shane Lopez, Ph.D., a leading positive psychology scholar and practitioner and consultant to colleges and universities on student and faculty development programs.
- Fred Luthans, Ph.D., groundbreaking researcher on organizational behavior, leadership, and international management.
- Allan McCutcheon, internationally recognized expert on survey research methods and sophisticated data analysis.
- N. Joyce Payne, authority on women's issues and the current state of women in the world.
- Frank L. Schmidt, Ph.D., highly acclaimed researcher and author in the fields of personnel selection and meta-analysis
- Stephen Sireci, Ph.D., expert in the application of statistical models to evaluate the efficacy of organizational and individual measurement and assessment tools
- Arthur A. Stone, Ph.D., leading researcher in the advancement of behavioral medicine .

#### **Ph.D. DISSERTATIONS SUPERVISED:**

1. **Meta-Policy Capturing: Controlling Judgment Models.** Laurence S. Mannis, University of Texas at Austin.
2. **A Conceptual Model and Operating Guidelines for Communication Between A Manager and an Operating Research Analyst.** John C. Henderson, University of Texas at Austin.
3. **Policy Capturing With Local Models: The Application of the Aid Technique in Modeling Judgment.** Lawrence L. Gooch, University of Texas at Austin.
4. **Smooth Empirical Bayes Procedures for the Binomial Distribution.** Stephen F. Fowler, University of Texas at Austin.
5. **A New F-Test Strategy for Selecting the Best Regression Equation.** Joseph A. Kozuh, University of Texas at Austin.
6. **An Application of Policy Capturing to R&D Project Selection.** Kirk M. Jones, University of Texas at Austin

#### **Ph.D. DISSERTATIONS AS MEMBER OF SUPERVISING COMMITTEE:**

7. **An Application of Integer Programming to Optimal Water Resource Allocation for the Delaware River Basin.** Robert E. Woolsey, University of Texas at Austin.
8. **Multivariate Research Techniques for Political Analysis.** Anthony C. Neidhart, University of Texas at Austin.
9. **An Analysis of the Modal Split of Work Trips in Texas Cities.** George D. Ballentine, University of Texas at Austin.
10. **Determining the Capacity of Unsignalized Intersections Using Computer Simulation.** Vivek S. Savur, University of Texas at Austin.
11. **Study of Bit Rock Interactions and Their Effect on Hole Deviation Tendencies.** Assem Mostafa, University of Texas at Austin.
12. **Content Analytic Classification in Electronic Brainstorming: A Structural Model and Empirical Analysis.** David A. Cheslow, Texas A&M University.
13. **A Comprehensive Structural Design for Stabilized Pavement Layers.** William O. Hadley, University of Texas at Austin.
14. **A Monte Carlo Study of the Analysis of Variance by Unweighted Means.** Authella A. McGuire Bessent, University of Texas at Austin.

#### **MSc. THESES SUPERVISED:**

15. **Judgment Modeling for Group Decisions.** Lester R. Martin, University of Texas at Austin.
16. **A Learning System for Applied Statistics.** Behrooz Motazed, University of Texas at Austin.
17. **Transferability and Implementation of Educational Technology.** Robert R. Whitehead, University of Texas at Austin.
18. **Cluster Analysis: An Application Guide.** John E. Bullock, University of Texas at Austin.
19. **Cluster Analysis: A Grading Tool.** Helen Ann Wilkey Volpe, University of Texas at Austin.
20. **Statistical Monitoring for PSI.** Wilfrido J. Lopez-Buenano, University of Texas at Austin.
21. **Large Matrix Cluster Analysis: A Methodology for Analysing Community Structure in an Estuarine Ecological System.** Terrence A. Graham, University of Texas at Austin.

#### **MSc. THESES AS MEMBER OF SUPERVISING COMMITTEE:**

22. **A Method for Computer-Aided Management in Research and Development Contracting.** Evin J. Stump, University of Texas at Austin.
23. **Assembly Line Balancing and Simulation.** Donald R. Harris, University of Texas at Austin.
24. **A Method for Computer-Aided Management in Research and Development Contracting.** Evin J. Stump, University of Texas at Austin.
25. **Computer Aided Project Selection.** Carlos A. Sanchez Ramirez, University of Texas at Austin.
26. **Statistical Analysis of Oil Well Pump Replacement.** Robert E. Rollings, University of Texas at Austin.
27. **A Study of Job Preferences of MBA's Using the Policy Capturing and Aid Techniques.** Malcolm C. Marion Jr., University of Texas at Austin.

## PROFESSIONAL ACTIVITIES:

Presentation on “**Successful Applications of Planning Languages**,” College on the Practice of Management Sciences, TIMS, San Francisco, California, May 1977.

Presentation on **Planning Languages**, 1977 Conference, College on the Practice of Management Science, The Institute of Management Science (TIMS), Golden, Colorado, July 1977.

Program Chairman, Management Sciences Section, Computer Simulation Conference, Chicago

Presentation on “**Computer Assisted Planning for Uncertain Futures**,” Planning Executives Institute, Conference on Corporate Modeling, Houston, September 1977.

Presentation on “**Computer Assisted Planning**,” Mexican Institute of Financial Executives, Monterrey, Mexico, April 1978.

Seminar on “**Computer Assisted Decision Making**,” Control Data Norway, Oslo, Norway, April 1978.

Presentation on “**Computer Assisted Planning**,” National Conference of the Planning Executives Institute, Dallas, May 1978.

Seminar on “**Computer Assisted Decision Making**,” Control Data as, Copenhagen, Denmark, May 1978.

Seminar on “**Computer Assisted Decision Making**,” Control Data Cybernet Europe, Inc., Brussels, Belgium, May 1978.

Panel Chairman, Second Annual Conference on Computer Systems Productivity, The Institute for Professional Education, Arlington, Virginia, June 1978.

Presentation on “**Sensitivity Analysis and Simulation**,” Financial Management Association Meeting, Minneapolis, October 12-13, 1978.

Presentation on “**Creative Computer Assistance for Strategic Planning**,” Corporate Planning Conference, Planning Executives Institute, Kansas City Chapter, November 9-10, 1979.

Panel Participant, “**Future Developments in Financial Modeling Packages: An Author’s Panel**,” NASCP-ATSU Planning Tools Study Group, New York Chapter, March 14, 1979.

Presentation on “Planning Languages and Their Use in Risk Analysis, Financial and Corporate Modeling,” TIMS/ORSA, Upper Midwest Chapter, March 29, 1979.

Presentation on “**Design of a Computer-Based Planning Laboratory**,” Planning Executives Institute, Chicago Chapter, April 5, 1979.

Panel Chairman, "**Making Business Models Easy to Use**," 1979 National Computer Conference, New York City, June 4-7, 1979.

Program Chairman, College of Information Systems (CIS) Summer Conference, "**Strategic Techniques for MIS in the Future**," Denver, July 9-13, 1979.

Presentation on "**State of the Art in Corporate Planning Models**," Grupo Alfa, Manzanillo, Mexico, September 12, 1979.

Presentation on "**State of the Art in Corporate Planning Models**" to 33<sup>rd</sup> Annual Management Executives' Conference, The Homestead, Hot Springs, Virginia, October 14-17, 1979.

Panel Chairman, "**Planning Models for Planners and Built by Planners**," Corporate Planning Conference, Planning Executives Institute, Los Angeles, November 1-2, 1979.

Southwest Software Presentation on **Planning Tools** to Association for Corporate Growth, New York City, December 11, 1979.

Thirteenth Annual Hawaii International Conference on System Sciences, Panel on "**Experience in Decision Support Systems**," Honolulu, Hawaii, January 3-4, 1980.

Conference Chairman, "**Information Power for the People in Charge**," Keystone, Colorado, January 5-12, 1980.

Panel Chairman, Planning Executives Institute Corporate Planning Conference, "**Executive Mind Support on Decision Support Systems**," Atlanta, Georgia, March 7, 1980.

Presentation on "**Decision Support Systems for Executives**," Spring Meeting of Office Technology Research Group, Scottsdale, Arizona, May 12, 1980.

Panel Chairman, Planning Executives Institute International Conference, "**Electronic Support Improves Productivity**," Phoenix, Arizona, May 19, 1980.

Panel Chairman, "**DSS Gives Credibility to MIS/DP**," National Computer Conference, Anaheim, California, May 21, 1980.

Presentation on "**Computer Applications for Public Utilities which Support Executive Minds**," to 5<sup>th</sup> Annual Public Utilities Conference, Dallas, Texas, July 17, 1980.

Program Chairman, College on Information Systems (CIS) Summer Conference, "**Strategies for Supporting Management of the Future**," Williamstown, Massachusetts, August 3-7, 1980.

Presentation on "**Fine Art in the Knowledge Workplace**," to the Texas Cultural Alliance Americas Studies Conference in Guadalajara, Mexico, November 7-16, 1980.

Presentation on "**Decision Support in the Office of the Future**," College on Information Systems Seminar, Colorado Springs, Colorado, November 9, 1980.

Presentation on "**Decision Support in the Office of the Future**," Decision Support Systems Seminar, University of California, San Diego, January 5-6, 1981.

Seminar on "**Decision Support Systems in the Office of the Future**," 1981 Planning Executives Institute Planningfest '81, Milwaukee, Wisconsin, May 17-20, 1981.

Participant in Mineral and Energy Executive Program at Colorado School of Mines on May 28, 1981.

Participant in "**The Future of Corporate Planning and Modeling Software Systems**," Duke University, June 25-26, 1981.

Presentation in "**DSS for Group Support**," International Federation for Information Processing (IFIP) working conference on processes and tools for Decision Support International Institute for Applied Systems Analysis (HASA), Schloss Laxenburg, Austria, 1981.

Presentation on "**Modeling for the Eighties – Decisions Support Systems**" to 8<sup>th</sup> International Planning Conference, Chicago, Illinois, October 22-25, 1981.

Presentation on "**Language Arts – Computer-Based Design for the Future**" to the Texas Cultural Alliance Americas Studies Conference in Guadalajara, Mexico, October 24-31, 1981.

Presentation on "**Connecting Japanese Theory Z with American Decisions Support Systems**" to the National Association of Accountants, New York City, December 8, 1981.

Presentation on "**Decision Support Systems**" to the Association for Systems Management, San Antonio, Texas, on March 9, 1982.

Presentation on "**The Graphics Frontier in Decision Support Systems**" at the Office Automation Conference, San Francisco, California, April 5-6, 1982.

Presentation on "**English Language Computer Systems**" at the Business Week Conference, Los Angeles, California, April 27-28, 1982.

Presentation on "Connecting Japanese Theory Z with American Decision Support Systems" at the DSS-82 Conference, San Francisco, California, June 14-16, 1982.

Presentation on "**Group DSS Experiences and Implications**" at the HASA/IFIP Conference, Vienna, Austria, July 19- 21, 1982.

Presentation on "**New Insights into Intuition, Creativity and Decision-Making – The Computer's Role**" at the Winter Simulation Conference, San Diego, California, December 2, 1982.

Presentation on "**Visions of the Future**" at Touche Ross and Co., Houston, Texas, April 6, 1983.

Presentation on "**Planning Software Integration from Desktop to Mainframe**" at the PEI Annual International Conference, Atlanta, Georgia, May 15-18, 1983.



Presentation on "**New Horizons in DSS**" at Nabisco's Corporate Information Services Conference, Great Gorge Resort, New Jersey, May24, 1983.

Presentation on feature analysis of **DSS Generators**, International Federation for Information Processing (IFIP) working conference on processes and tools for Decision Support, International Institute for Applied Systems Analysis (IIASA), Schloss Laxenburg, Austria, 1983.

Invited opening speaker, Texas Information Systems Conference, Research Opportunities in Group DSS, Texas A&M University, April 5, 1990.

Invited speaker, Decisions Support Systems '90, San Diego, California, 1989.

Founder and Chairman, TEAMS '91 International Conference, Austin, Texas, 1991.

Chairman, Emerging Technologies Track, Decision Support Systems, The Institute of Management Sciences, 1991, 1992.

***PUBLICATIONS (note, the percentage number in parenthesis represents the percent contribution by G. R. Wagner)***

**"Gymjac: A Success Story Using IFPS,"** Co-authored with James S. Williamsen, INTERFACES, August 1976. (75%)

**"Enhancing Creativity In Strategic Planning Through Computer Systems,"** MANAGERIAL PLANNING, July/August 1979. (100%)

**"DSS: An Executive Mind Support System,"** Co-authored with P.G. Keen, DATAMATION, November 1979. (65%)

**"Computer Based Technology for Executive Mind Support,"** DATAMATION, May 1980. (100%)

**"Things to Come in Planning Technology,"** FINANCIAL EXECUTIVE, May 1980. (100%)

**"Decision Support in the Office of the Future,"** MANAGERIAL PLANNING May/June 1980. (100%)

**"Strategic Thinking Supported By Risk Analysis,"** LONG RANGE PLANNING, June 1980. (100%)

**"Optimizing Decision Support Systems,"** DATAMATION, May 1980. (100%)

**"Automated Decision Support in the Aerospace Industry,"** DATA MANAGEMENT, September 1980. (100%)

**"Decision Support Systems: The Real Substance,"** INTERFACES, April 1981. (100%)

**"Assumptions: The New Frontier in Business Planning,"** Co-authored with Janis Claflin, DSS82 Transactions, 1982. (75%)

**"Beyond Theory Z with DSS,"** DSS82 Transactions, 1982. (100%)

**"Decision Support Systems: Computerized Mind Support for Executive Problems,"** MANAGERIAL PLANNING, September/October 1981. (100%)

**"DSS: Dealing With Executive Assumptions in the Office of the Future,"** MANAGERIAL PLANNING, March/April, 1982. (100%)

**"Decision Support Systems: Computerized Mind Support for Executive Problems,"** DSS81 Transactions, 1981. (100%)

**"Mind Support Systems,"** ICP Interface Manufacturing and Engineering, Spring 1982. (100%)

**"Meeting Process Augmentation: the Real Substance of GDSS,"** Co-authored with M. Nagasunduram, North Holland, Edited by R.M. Lee, A.M. Me Losh, P. Miglianese, 1988. (25%)

#### **OTHER:**

Founder and Board Member of PLANNERS LEAGUE, a non-profit multi-disciplinary organization for advancement of the planning process in organizations.

Founder and President of Austin Chapter of Planning Executive Institute.

Founder and arbiter of the Planning Dialogue.

1980-1981 Planning Executives Institute – Fellow Award.

Member of the Advisory Board for MANAGERIAL PLANNING.

Founder and Chairman of the Board of the International Academy for Advanced Decision Support Systems (IADDS).

Chairman, College of Information Systems, The Institute of Management Sciences, September 1979 – August 1981.

Founder and General Chairman of the DSS-81 Conference held in Atlanta, Georgia, June 8-10, 1981.

Chairman of the Executive Committee of the DSS-82 Conference held in San Francisco, California, June 14-16, 1982.

Program Committee, International Federation for Information Processing (IFIP) working conference on processes and tools for Decision Support, International Institute for Applied Systems Analysis (IIASA), Schloss Laxenburg, Austria.

Chairman of session on organization requirements for DSS, International Federation for Information Processing (IFIP) working conference on processes and tools for Decision Support, International Institute for Applied Systems Analysis (IIASA), Schloss Laxenburg, Austria.

Chairman, Task Force Group to conduct research and present position paper on Features of DSS Generators, Durham, England, 1984.

**OTHER ACHIEVEMENTS:**

On the California Institute for the Future's short list of people to watch.

President, Chamber of Commerce, Bastrop, Texas.

City Council Member, Bastrop, Texas.

Started six companies related to architectural preservation, antiques, art, and reproduction furniture.

Co-Founder World Empathy Organization.

Advisory Board Member, UT Cancer Research Center.

Co-Founder "Hands Around the World" children's art program.

Co-Founder Center for Attitudinal Healing.

Honorable discharge United States Marine Corps, Meritorious promotion at end of basic training.

**EDUCATION:**

*University of Nebraska, Lincoln, Nebraska, 1958*

Bachelor of Science; Pre-Veterinary Medicine.

*University of Nebraska, Lincoln, Nebraska, 1960*

Master of Science; Nutrition and Biochemistry.

Iowa State University, Ames, Iowa, 1964

Doctor of Philosophy with Honors; Statistics, Nutrition, and Physiology