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# Daniel J. Power

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## Academic Degrees

Ph.D. Business Administration, University of Wisconsin - Madison, 1982.

- Major: Strategic Management and Decision Analysis
- Minor: Information Systems Analysis and Design
- Ph.D. Dissertation: Acquiring Small and Medium-sized Companies: A Study of Corporate Decision Behavior.

M.B.A. University of Wisconsin - Madison, 1981.

M.A. Business Administration, University of Iowa, December 1977.

- Major: Management Systems
- Minor: Quantitative Methods
- Masters Thesis: Design and Development of DECAID: A CAL Decision Formulation Program.

B.S. University of Iowa, 1974.

- Major: General Science.

## Recent Academic Employment

August 1, 1996 – Current Professor of Information Systems and Management, College of Business Administration, University of Northern Iowa, Cedar Falls, IA; teach Decision Support Systems, Database Theory and Management, Introduction to Information Systems, MBA Management Information Systems Concepts, Business Policy and Strategy, MBA Strategic Planning and Organization Analysis, Environment, Technology, and Society Capstone (May 2010 & 2011) .

January 16, 1996 - July 31, 1996 Acting Dean, College of Business Administration, University of Northern Iowa, Cedar Falls, IA; managed a college with 5 academic departments and an active external services division; 65 faculty members; approximate budget \$7 million.

August 1989 - January 1996 Professor of Information Systems and Management and Department of Management Head, College of Business Administration, University of Northern Iowa, Cedar Falls, IA; managed a diverse department of 24 faculty; taught Management and Information Systems courses.

January 1991 - August 1996; January 2008 – December 2008 Director of the Information Systems Research Lab (ISRL), College of Business Administration, University of Northern Iowa, Cedar Falls, IA. Guided student research and responsible for fund-raising and vendor software donations.

Spring 1988 - August 1989 Director of the Office of Computing Services (OCS), College of Business, University of Maryland-College Park. Designed and supervised installation of LAN wiring, Novell network, created organization and supervised 5 FTE staff.

January 1986 - August 1989 Director of the Maryland Management Support Systems Research Lab, University of Maryland, College of Business and Management. Guided student research and responsible for fund-raising and vendor software donations.

August 1987 - August 1989 Associate Professor, College of Business and Management, University of Maryland-College Park; Taught Decision Support Systems, Management Planning and Control Systems and Strategic Management. Received tenure in 1987.

January 1982 - August 1987 Assistant Professor, College of Business and Management, University of Maryland-College Park. Taught Decision Support Systems, Management Planning and Control and Strategic Management.

## **Other Recent Professional Activities/Employment**

1999 – Current Editor of DSSResources.COM, a knowledge repository about computerized systems that support decision-making. Editor of the e-newsletter DSS News and author of a bi-weekly column. DSS News has a circulation of approximately 2100 subscribers in more than 50 countries.

May 2004 – Current Editor of DecisionAutomation.com and PlanningSkills.com.

December 2008 – Current Information Systems Collection Editor for Business Expert Press (<http://businessexpertpress.com>).

August 2007 – Current Decision Support Expert for the Business Intelligence Network.

March 2008 – August 2009 Executive Director of Iowa Metaverse, Inc., a Nonprofit Iowa 501(c)(3) corporation. Developed and manage the island Iowa in Second Life.

December 19, 2005 – January 6, 2006 Visiting Scholar, Information Systems group at National Sun Yat-Sen University, Kaohsiung, Taiwan.

Summer 2003 Visiting Summer Faculty Research Fellow, U. S. Air Force Research Lab Information Institute, Information Systems Directorate, Collaborative Simulation Lab, Dayton, OH. Research on Military Decision Support.

December 16, 2002 - December 19, 2002 Visiting Professor, Moscow State Linguistic University, 38, Ostozhenka Ul. 119034, Moscow, GSP, Russia. Lectured on Decision Support Systems.

Sept. 30, 2001 – Oct. 12, 2001; Oct. 1, 2004 – Oct. 14, 2004; Aug. 11-24, 2006; Aug. 8-18, 2008; Jan. 25, 2012-Feb. 6, 2012 Professor, University of Northern Iowa MBA program in Hong Kong, China. Taught Management Information Systems Concepts and Strategic Planning and Organization Analysis.

December 13, 1997 - December 30, 1997 ; June 4, 2001 - June 15, 2001 Visiting Professor, American Accounting and Business Program, Moscow State Linguistic University, 38, Ostozhenka Ul., 119034, Moscow, GSP, Russia. Taught Business Strategy.

June 8 - June 30, 1999 Foreign Expert and Visiting Lecturer on Decision Support Systems and Web Technologies at: Hefei Institute of Economics and Technology, Hefei University of Technology, NanKai University, Shandong University of Building Materials, Tianjin University of Commerce, University of Science and Technology of China.

1990 – 1996 Independent member, Board of Directors, Younkers Credit Corporation, Inc. (known previously as Younkers Funding Corporation). We managed a \$100 million credit card receivables operation.

December 13, 1996 - January 3, 1997; and May 18-30, 1997 Visiting Professor, Hebei Teacher's University (HTU), Shijiazhuang, China. Taught Information Systems. Assisted with UNI May 1997 study tour to HTU.

March 6 - 28, 1993 Visiting Professor, International Business Economics program, Aalborg University, Aalborg, Denmark. Taught a short course on Decision Making and Decision Support Systems.

May 29 - June 9, 1992 Visiting Scholar, University College-Dublin, Dublin, Ireland. Lectured on Decision Support Systems.

## **Books**

Schuff, D. D. Paradice, F. Burstein, D.J. Power, R. Sharda, (Eds.) Decision Support: An examination of the DSS Discipline, **Annals of Information Systems**, Vol. 14, New York: Springer, 2011, ISBN 978-1-4419-6180-8.

Power, D. J., **Decision Support Basics**, New York, NY: Business Expert Press, 2009, ISBN: 978-1-60649-082-2, URL <http://businessexpertpress.com/books/decision-support-basics>.

Kulkarni , U., D. J. Power, and R. Sharda (Editors), Decision Support for Global Enterprises, **Annals of Information Systems**, Vol. 2, New York: Springer, 2007.

Power, D. J., **Decision Support Systems: Frequently Asked Questions**, Lincoln, NE: iUniverse, 2005, ISBN: 0595670458.

Power, D. J., **Decision Support Systems: Concepts and Resources for Managers**, Westport, CT: Greenwood/Quorum Books, 2002, ISBN: 156720497X.

Power, D. J., Gannon, M., McGinnis, M. and Schweiger, D., **Strategic Management Skills**, Reading, MA: Addison-Wesley, 1986, ISBN: 0201139782.

## Book Chapters

Power, D. J. Challenges of Real-Time Decision Support, in Burstein, F., P. Brézillon, and A. Zaslavsky, (Eds.) Supporting Real Time Decision-Making: The Role of Context in Decision Support on the Move, **Annals of Information Systems**, Vol. 13, New York: Springer, 2011, pp. 3-12.

Power, D.J., F. Burstein, and R. Sharda, Reflections on the Past and Future of Decision Support Systems: Perspective of Eleven Pioneers. in Schuff, D.; Paradice, D.; Burstein, F.; Power, D.J.; Sharda, R. (Eds.), Decision Support: An Examination of the DSS Discipline, **Annals of Information Systems**, Vol. 14, New York: Springer, 2011, pp. 25-48.

Power, D. J. and R. Sharda Decision Support Systems (Chapter 87), in Nof. S. (ed.) Handbook of Automation, Berlin: Springer, 2009, pp. 1539-1548.

Wurtz, M.S. and D.J. Power, Initial Step in Designing and Delivering Training to Enable Managers to Use the SL Environment to Support Organizational Decision-Making, **Collaborative Decision Making: Perspectives and Challenges**, editors P. Zarate, J. Belaud, G. Camilleri, and F. Ravat, IOS Press, 2008, pp. 477-484.

Power, D.J., Decision Support Systems Concept, **Encyclopedia of Decision Making and Decision Support Technologies**, editors F. Adam and P. Humphreys, IGI Global, Vol. 1, 2008, pp. 232-235.

Power, D.J. Decision Support Systems: An Historical Overview, **Handbook on Decision Support Systems**, editors F. Burstein and C. W. Holsapple, Springer, Vol. 1, 2008, pp. 121-140..

Liang, T-P., Y. OuYang and D. J. Power, Effects of Knowledge Management Capabilities on Perceived Performance: An Empirical Examination, **Annals of Information Systems**, Vol. 2, New York: Springer, 2007, pp. 139-163.

Power, D.J., R. Sharda, and U. Kulkarni, Understanding Decision Support in Global Enterprises, in Kulkarni, U.; Power, D.; Sharda, R. (Eds.), Decision Support for Global Enterprises, **Annals of Information Systems**, Vol. 2, New York: Springer, 2007, pp. 3-14.

Power, D. J., Decision Support Systems Concept, In Khosrow-Pour, M. (Ed.) **Encyclopedia of Information Science and Technology**, Idea Group Publishing, 2004.

Power, D. J. and S. Kaparathi, "An Examination of Inter-Organizational Decision Support Systems", Eom, S. (Ed.) **Inter-Organizational Information Systems**, Idea Group Publishing, 2004.

Power, D. J., Defining Decision Support Constructs, in Bui, T, H. Sroka, S. Stanek, J. Goluchowski (Eds.), **DSS in the Uncertainty of the Internet Age**, Katowice, PL: Karol Adamiecki Univ. of Economics, 2003, pps. 51-61.

Kaparathi, S. and D. J. Power, Spreadsheets, In Bidgoli, H. (Ed.), **Encyclopedia of Information Systems**, Volume 4, Academic Press, 2003, pps. 171-186.

Power, D. J., Categorizing Decision Support Systems: A Multidimensional Approach, in Mora, M., G. Forgionne, and J. N. D. Gupta (Eds.), **Decision Making Support Systems: Achievements and Challenges for the New Decade**, Hershey, PA: Idea Group, 2002, pps. 20-27.

Power, D. J. and S. Kaparathi, The Changing Technological Context of Decision Support Systems, In Berkeley, D., G. Widmeyer, P. Brezillion and V. Rajkovic (Eds.), **Context-Sensitive Decision Support Systems**, London: Chapman and Hall, 1998, pps. 42-54.

Power, D.J., Anticipating Organization Structures, in Hage, J. (Ed.), **Futures of Organizations**, New York: Lexington Books, June 1988, pps. 67-79.

Golden, B., A. Hevner, D. Power and E. Wasil, Decision Insight Systems for Microcomputers: An Overview, In Gass, S. I. et al. (Eds.), *Impacts of Microcomputers on Operations Research*, New York: North-Holland, 1986, pps. 172-179.

Power, D.J., Using the Symptoms, Problems and Treatment Framework to Structure Knowledge for Management Expert Systems, In Methlie, L. and Sprague, R. (Ed.), *Knowledge Representation for Decision Support Systems*, New York: North-Holland Publishing Co., 1985, pps. 245-254.

## **Articles in Peer Reviewed Academic Journals**

Power, D. J. and G. Phillips-Wren “Impact of Social Media and Web 2.0 on Decision-Making,” *Journal of Decision Systems*, Vol. 20, No. 3, 2011, pp.249-261.

Power, D. J., R. Roth, and R. Karsten, “Decision Support for Crisis Incidents,” *International Journal of Decision Support System Technology*, Volume 3, Issue 2, 2011, pp.44-56.

Power, D.J., “Understanding Data-Driven Decision Support Systems,” *Information Systems Management*, Vol. 25, Issue 3, Spring 2008, pp. 149-154.

Bhargava, H., D. J. Power and D. Sun, “Decision Support Systems and Web Technologies: A Status Report”, *Decision Support Systems*, special issue on Web-based DSS, Vol. 43, Issue 4, August 2007, pp. 1085-1095.

Power, D.J. and R. Sharda, “Model-Driven DSS: Concepts and Research Directions”, *Decision Support Systems*, special issue on Integrated Decision Support, Vol. 43, Issue 3, April 2007, pp. 1044-1061.

Power, D. J. and S. B. Eom, “Decision Support Systems Discipline: Achievements and Needs,” *Journal of Decision Systems*, Vol. 15, No. 1, 2006, pp. 9-21.

Power, D. J., “Specifying an Expanded Framework for Classifying and Describing Decision Support Systems,” *Communications of the Association for Information Systems*, Vol. 13, Article 13, February 2004, pp. 158-166.

Power, D. J., “The Maturing IS Discipline: Institutionalizing our Domain of Inquiry,” *Communications of the Association for Information Systems*, Vol. 12 Article 32, November 2003, pp. 539-545.

Power, D. J. and S. Kaparathi, “Building Web-based Decision Support Systems,” *Studies in Informatics and Control*, Vol. 11, No. 4, December 2002, pp. 291-302.

Ragsdale, C., D. J. Power, and P. K. Bergey, “Spreadsheet-Based DSS Curriculum Issues,” *Communications of the Association for Information Systems*, Vol. 9, Article 21, November 2002, pp. 356-365.

Shim, J. P., M. Warkentin, J. F. Courtney, D. J. Power, R. Sharda, and C. Carlsson, “Past, Present, and Future of Decision Support Technology,” *Decision Support Systems*, special issue "DSS: Directions for the Next Decade", Vol. 33, No. 2, 2002, pp. 111-126.

Power, D. J., S. Kaparathi, and R. Karsten. “Emerging Decision Support Technologies: An Historical Perspective,” *Journal of Decision Systems*, Vol. 10, No. 2, 2001, pp. 133-148.

- Power, D. J., "A History of Microcomputer Spreadsheets," *Communications of the Association for Information Systems*, Vol. 4, Article 9, October, 2000, pp. 154-162.
- Power, D. J., "Finding DSS Resources on the World-Wide Web," *Journal of Decision Systems*, Vol. 7, 1998, pp. 7-20.
- Power, D.J., S. Meyeraan, and R. J. Aldag, "Impacts of Problem Structure and Computerized Decision Aids on Decision Attitudes and Behaviors," *Information and Management*, 1994, 26, pp. 281-294.
- Wood, W., D. J. Power, R. Roth, and L. Duclos, "A Strategy for Strengthening Information Systems Instructional Programs: Student-Oriented Research Labs," *Journal of Computer Information Systems*, Summer 1994, Vol. XXXIV (4), pp. 21-25.
- Power, D.J., R. Roth, and R. J. Aldag, "Can Computerized Decision Aids Enhance Management Education?" *Journal of Management Education*, November 1993, 17(4), pp. 520-529.
- Roth, R., W. Wood, II, R. Hahm, and D.J. Power, "Building Group Decision Support Rooms Using 'Off-the-Shelf' Computing Resources: Prospects and Issues," *Data Base*, June 1993, 24(2), pp. 21-31.
- Power, D.J., "Management Support Software: What Are Your Options?" *Journal of Systems Management*, August 1990, 41(8), pp. 32-37.
- Aldag, R.J. and D. J. Power, "An Empirical Assessment of Computer-Assisted Decision Analysis," *Decision Sciences*, 1986, 17(4), pp. 572-588.
- Golden, B., A. Hevner, and D. J. Power, "Decision Insight Systems: A Critical Evaluation," *Computers and Operations Research*, 1986, 13(2/3), pp. 287-300.
- Huber, G. P. and D. J. Power, "Retrospective Reports of Strategic-Level Managers: Guidelines for Increasing Their Accuracy," *Strategic Management Journal*, April-June 1985, 6(2), pp. 171-180.
- Power, D.J. and A. R. Hevner, "Executive Workstations: Issues and Requirement," *Information and Management*, April 1985, 8(4), pp. 213-220.
- Power, D.J. and R.J. Aldag, "Soelberg's Job Search and Choice Model: A Clarification, Review, and Critique," *Academy of Management Review*, January 1985, 10(1), pp. 48-58.
- Paine, F.T. and D.J. Power, "Merger Strategy: An Examination of Drucker's Five Rules for Successful Acquisitions," *Strategic Management Journal*, April/June 1984, pp. 99-110.
- Power, D.J., "The Impact of Information Management on the Organization: Two Scenarios," *MIS Quarterly*, September 1983, 7(3), pp. 13-20.
- Brief, A.P., R.J. Aldag, A.L. Darrow, and D.J. Power, "Examination of Responses of Registered Nurses to Manifest Needs Questionnaire," *Psychological Reports*, 1980, 46, pp. 1233-1234.

## **Practitioner Articles**

- Power, D.J. "Data Warehousing 101," Bill Inmon eNewsletter, Business Intelligence Network, March 18, 2010, URL <http://www.b-eye-network.com/view/12929>.

Power, D.J. "Decision Support System Outputs," Bill Inmon eNewsletter, Business Intelligence Network, November 11, 2009, URL <http://www.b-eye-network.com/view/11973>.

Power, D.J. "Monitoring Performance with Dashboards," Bill Inmon eNewsletter, Business Intelligence Network, October 8, 2009, URL <http://www.b-eye-network.com/view/11489>.

Power, D.J. "Executive Information Systems Revisited," Bill Inmon eNewsletter, Business Intelligence Network, June 11, 2009, URL <http://www.b-eye-network.com/view/10498>.

Power, D.J. "Decision Support Project Management," Bill Inmon eNewsletter, Business Intelligence Network, January 22, 2009, URL <http://www.b-eye-network.com/view/9514>.

Power, D.J. "Data Warehouses, Schemas and Decision Support Basics," Bill Inmon eNewsletter, Business Intelligence Network, September 25, 2008.

Power, D.J. "Common Decision Support System Architectural Patterns," Bill Inmon eNewsletter, Business Intelligence Network, June 5, 2008.

Power, D.J. "Identifying Opportunities to Create Innovative Decision Support Systems," Bill Inmon eNewsletter, Business Intelligence Network, March 27, 2008.

Power, D.J. "Formative and Summative Decision Support System Evaluation," Bill Inmon eNewsletter, Business Intelligence Network, February 14, 2008.

Power, D.J. "Gaining Competitive Advantage with Computerized Decision Support," Bill Inmon eNewsletter, Business Intelligence Network, December 6, 2007.

Power, D.J. "Keep an Eye on the Decision Support Prize," Bill Inmon eNewsletter, Business Intelligence Network, October 11, 2007.

Power, D.J. "A Framework for Understanding Computerized Decision Support," Bill Inmon eNewsletter, Business Intelligence Network, September 13, 2007.

Power, D. J. "Web-based Decision Support Systems", Part I and II. DS\*, The On-Line Executive Journal for Data-Intensive Decision Support, August 18 and 25, 1998: Vol. 2, Nos. 33 and 34.

Power, D. J. "Justifying a Data Warehouse Project", Part I and II. DS\*, The On-Line Executive Journal for Data-Intensive Decision Support, February 3 and 10, 1998: Vol. 2, Nos. 5 and 6.

Power, D. J. "Tips for Choosing Enterprise-wide DSS Software" originally published in DSSStar, The On-Line Executive Journal for Data-Intensive Decision Support, November 18, 1997: Vol. 1, No. 7.

Power, D. J. "What is a DSS?" originally published in DSSStar, The On-Line Executive Journal for Data-Intensive Decision Support, October 21, 1997: Vol. 1, No. 3. Also, available in a Chinese version prepared and translated by Jian Zhou.

Power, D.J. Acquisition Decision Making. Mergers & Acquisitions, August 1983, 18(2), 63-65.

## Papers in Academic Proceedings

Power, D. J. and M. Power, "Using Decision Support Systems to Help Implements the Basel Accords," 2011 Decision Sciences Institute Proceedings, Nov. 19 - 22, 2011, Boston, MA.

Power, D. J., R. Roth and R. Karsten, "Decision Support for Crisis Incidents," 2010 Decision Sciences Institute Proceedings, Nov. 20 - 23, 2010, San Diego, California.

Power, D., M.S. Wurtz, D. Cyphert, and L. Ducloss "Building Virtual Iowa in Second Life: A Case Study,". In Deokar, A. & Strader, T. (Ed.). Madison, SD: Research in Progress. Midwest Association for Information Systems, eProceedings, May 2009.

Power, D.J., "Challenges of Real-Time Decision Support," Proceedings of RTDMC-08 workshop, sponsored by AIS SIG DSS, Paris, France, December 13, 2008.

Power, D.J., and M. S. Wurtz, "Using a Virtual World to Provide Real World Decision Support," *Proceedings of the Decision Sciences Institute 2008 annual meeting*, Baltimore, MD, November 22-25, 2008, pp. 5581-5586.

Power, D.J., "Design and Development of a Role-Oriented, Web-based Planning Decision Support System: PlanningDSS.com," Proceedings of CIDMDS 2006, International Conference on Creativity and Innovation in Decision Making and Decision Support sponsored by IFIP WG 8.3, June 28 - July 1, 2006, London, UK.

Vician, C. and D.J. Power, "Participant Observation of Virtual Decision-Making Meetings: A Longitudinal Exploration," *Proceeding of the Midwest United States Association for Information Systems Inaugural conference*, Grand Rapids, MI, May 5-6, 2006, pp. 136-140.

Eom, S. and D.J. Power, Decision Support Systems: Achievement, Needs and the Next Generation of DSS Artifacts, *Proceedings of the 8th Conference of the International Society for Decision Support Systems*, AIS SIG DSS, Porto Alegre, Brazil, July 2005.

Power, D. J., Decision Support Systems: From the Past to the Future. *Proceedings of the 2004 Americas Conference on Information Systems*, New York, NY, August 6-8, 2004, pp. 2025-2031.

Bhargava, H., and D. J. Power. Decision Support Systems and Web Technologies: A Status Report. *Proceedings of the 2001 Americas Conference on Information Systems*, Boston, MA, August 3 - 5, 2001, pp. 229-235.

Power, D. J. Supporting Decision-Makers: An Expanded Framework. In Harriger, A. (Editor), e-Proceedings (ISSN 1535-0703), 2001 Informing Science Conference, Krakow, Poland, June 19-22, 2001, pp. 431-436.

Power, D. J. Web-Based and Model-Driven Decision Support Systems: Concepts and Issues. *Proceedings of the 2000 Americas Conference on Information Systems*, Long Beach, California, August 10-13, 2000, pp. 352-355.

Power, D.J. and R. Roth. Issues in Designing and Using Web-Based Teaching Cases. *Proceedings of the 1999 Americas Conference on Information Systems*, August 1999, Milwaukee, WI, pp. 936-938.

Power, D. J. Decision Support Systems Glossary. Appendix in Proceedings of the Workshop "Development of Biological Decision Support Systems for resource Managers", Denver, CO, October 27-29, 1998, pps. 21-29.

Wood, W.C. II, D. J. Power, R. Roth and L. Duclos. A Strategy for Strengthening Information Systems Degree Programs: A Student-Oriented Research Lab Approach. *Proceedings of the 8th Annual Conference of the International Academy for Information Management*, December 3-5, 1993, Orlando, FL.

Roth, R., W. C. Wood II, R. Hahm and D. J. Power. Building Group Decision Support Rooms Using "Off-the-Shelf" Computing Resources: Prospects and Issues. *Proceedings of the 12th International Conference on Decision Support Systems*, June 8-10, 1992, Chicago, IL, pp. 147-155.

Power, D.J. Aligning Organization Structures and Information Technologies. *Proceedings of the Information Resources Management Association 1992 International Conference*, May 1992.

Power, D.J., M. S. Rueschhoff and B. Valde. An Overview of PC-Based Human Resource Management Software. *Proceedings of the Midwest Decision Sciences Institute meeting*, Kansas City, MO, May 1992.

Power, D.J., R. Roth and R. Aldag. Computer-Aided Planning and Decision Making: A Tool for Business Case Analysis? *Proceedings of the Midwest Society for Case Research meeting*, Chicago, IL, March 1991.

Power, D.J. Management Support Software: A Discussion and Critique. *Proceedings of the Midwest Decision Sciences Institute*, May 1990.

Power, D.J. Business Case Competitions. *Proceedings of the Midwest Society for Case Research*, April 1990, pp. 97-100.

Aldag, R.J. and D. J. Power. Computer-Aided Decision Making: Developments, Research, and Impacts. *Proceedings of the American Institute for Decision Sciences*, November 1985, pp. 99-101.

Aldag, R.J. and D. J. Power. An Empirical Assessment of Computer-Assisted Decision Making. *Proceedings of the American Institute for Decision Sciences*, November 1984.

Power, D.J. and G. P. Huber. Guidelines for Using Key Informants and Retrospective Reports in Strategic Management Research. *Proceedings of the American Institute for Decision Sciences*, November 1982, Vol. 2, pp. 29-31.

Power, D.J. and H. L. Zwerling. Designing Management Decision-Aid Programs. *Proceedings of the American Institute for Decision Sciences*, November 1980, pp. 254-256.

Power, D.J. A Criteria-Based Review of 14 Generalized Heuristic Programs. *Proceedings of the Midwest Academy of Management*, April 1979, pp. 278-285.

Power, D.J. and G. P. Huber. Elicitation of Subjective Probability: Integration of Recent Findings. *Proceedings of the American Institute for Decision Sciences*, October-November 1978, pp. 39-41.

Power, D.J. and G. L. Rose. An Evaluation of DECAID, a Decision Formulation Computer-Aided Learning Program. *Proceedings of the American Institute for Decision Sciences*, October 1977, pp. 118-119.

Klasson, C.R. and D. J. Power. Data-Based Policy Teaching and Research. *Proceedings of the Academy of Management*, August 1977, pp. 118-121.

Power, D.J. and G. L. Rose. Improving Decision-Making Behavior Using the Hewlett Packard 2000/Access System. *Proceedings of the American Institute for Decision Sciences*, Nov. 1976, pp. 47-49.

## **Case Studies**

Power, D. J., "Transforming GE Real Estate with Innovative Data-driven Decision Support", DSSResources.COM, January 12, 2007.

Power, D. J. and C. L. Fletcher, University of Northern Iowa Dining Services uses FoodPro®, 2005, DSSResources.COM, June 3, 2005.

Pontz, C. and D. J. Power, "Building an Expert Assistance System for Examiners (EASE) at the Pennsylvania Department of Labor and Industry", November 2002, DSSResources.COM, November 14, 2002.

Power, D. J. and R. M. Roth, "Ertl's Decision Support Journey", 2003, DSSResources.COM, January 31, 2003.

## **Inventions and Innovations**

Developed a computerized management decision aid software program, Fall 1975; expanded, developed and programmed a microcomputer version in 1981-82.

Invented an input keyboard for non-typists. Patent number 4,615,629, issued October 7, 1986.

Developed Management Decision Assistant software tools published by South-Western Publishing Co., August 1987.

Developed PlanningDSS.com, PlanningSkills.com, DSSResources.com.

## **Technical Reports**

Power, D. J. Toward Advanced Military Decision Support. Air Force Research Lab Information Institute, August 2003.

Power, D. J. Interactive Video Distance Learning: Architecture and Cost Issues. Deere, Inc., January 1999.

Power, D. J. Command Information Management: The Commander's Workstation. Institute for Defense Analyses, Record Document D-51, October 1983, Prepared for the Office of the Under Secretary of Defense for Research and Engineering.

## **Talks and Professional Presentations**

Challenges of Real-Time Decision Support. Keynote Speaker, RTDMC-08 workshop, sponsored by AIS SIG DSS, Paris, France, December 13, 2008.

Decision Support Tools. Panelist and Presenter Decision Sciences Institute 2008 annual meeting, Baltimore, MD, November 22-25, 2008.

DSS for crisis planning, response and management. Keynote Speaker, ISCRAM2005, the Second International Conference on Information Systems for Crisis Response and Management, Brussels, Belgium, April 17-20, 2005.

Providing Web-Based DSS for Customers, presented in session on DSS Technology and Ecommerce chaired by V. Sugumaran, Decision Sciences Institute 2004 Annual Meeting, November 21, 2004, Boston, MA.

Spreadsheet-based DSS course design, Panelist and Presenter in session on Designing and Delivering Successful Spreadsheet-based DSS Courses, chaired by C. Ragsdale, Decision Sciences Institute 2004 Annual Meeting, November 22, 2004, Boston, MA.

Types of Decision Support Systems, presented at Innovations in Teaching Decision Support Systems Development workshop, organizers were Ravindra K. Ahuja and Wayne L. Winston, held at Amelia Island Plantation, Jacksonville, FL., August 1-5, 2004.

Model-driven Decision Support Systems: Research Needs and Directions, AIS SIG DSS workshop, December 2003 (developed with R. Sharda).

Defining Decision Support Constructs. Keynote Speaker, 7<sup>th</sup> International Conference of the International Society for Decision Support Systems (ISDSS), Ustron, Poland, July 2003.

Spreadsheet-based DSS Curriculum Issues. Panelist at 2002 Americas Conference on Information Systems, Dallas, TX, August 9-11, 2002

Philosophical Foundations of Decision Support Systems. Chair and panelist at 2001 Americas Conference on Information Systems, Boston, MA, August 3 - 5, 2001.

Developing Web-Based DSS. Invited presentation at Applied Technology in Business program at Oakland University, October 13-14, 2000.

Decision Support Tools. Panelist and Presenter Decision Sciences Institute National meeting, New Orleans, Louisiana, November, 1999.

Integrating DSS Technologies. Presented at Workshop on Advanced Group Technologies, UVA-NASA-Langley, Hampton, VA, July 20, 1999.

DSS Resources Web Tour. Presented at the Decision Sciences Institute National meeting, San Diego, CA, November, 1997.

DSS Web Tour. Presented at the International Federation for Information Processing Working Group 8.3 (IFIP WG 8.3) conference, "Implementing Systems for Supporting Management Decisions: Concepts, Methods, and Experiences", London, UK, July 21-24, 1996.

Designing Computerized Decision Aids: Hypotheses and Guidelines. Poster Session at 1992 Judgment and Decision Making conference, St. Louis, MO, November 1992.

Impacts of Problem Structure and Computerized Decision Aids on Decision Attitudes and Behaviors. Poster session at 1992 Academy of Management meeting, Las Vegas, Nevada, August 1992 (with Meyeraan, S. and Aldag, R.)

Implementing Corporate Acquisition Strategies: An Empirical Examination. Presented at 1990 Decision Sciences Institute Annual Meeting, San Diego, CA, November 1990 (with Rubenson, G.C. and Aldag, R.J. and abstracted in Proceedings).

Information Centers: The Management Dilemma. Presented at 1990 Information Resources Management Association, Hershey, PA, May 1990 (with Gleadall, L. and abstracted in Proceedings).

Management Support Systems and Hypermedia. Presented at Ninth Annual International Conference on Information Systems, Minneapolis, MN, December 1988.

Macintosh Management Support Software. Presented at TIMS National meeting, Washington, DC, April, 1988.

Designing Decision Aids. Presented at TIMS National meeting, St. Louis, October 1987.

Computer-aided Elicitation of Values. Presented at SPUDM-11, Cambridge, UK, August 1987.

Management Policy Expert Systems: Prospects and Requirements. Presented at AI in Engineering Conference, The George Washington University, October 1985, (with Hevner, A.R.).

Hierarchical, Goal Oriented Planning Support Systems. Presented at NATO Advanced Study Institute on "Intelligent Decision Aids", San Miniato, Italy, September 1985.

Biases and Problems in Merger and Acquisition Decision Processes. Presented at the Strategic Management Society Conference, Philadelphia, October 1984.

Using the Symptoms, Problems and Treatment Framework to Structure Knowledge for Management Expert Systems. Presented at IFIP Working Group 8.3 Conference in Durham, England, July 23-26, 1984.

Impact of Technology on Managerial Work. Presented at World View '84, World Future Society, June 1984.

Decision State versus Process Variables as Predictors of Corporate Acquisition Effectiveness. Presented at the National Academy of Management Meeting, Dallas, August 1983, (with Huber, G.P.).

Examination of Two Strategies for Reducing Appraisal Errors. Presented at the National Meeting of the American Institute for Decision Sciences, November 1982.

An Examination of Drucker's Five Rules for Successful Acquisition. Presented at the Strategic Management Society, Montreal, October 1982, (with Paine, F.T.).

Case Study of the Design and Development of a Decision Support System. Presented at ORSA/TIMS National Meeting, Detroit, April 1982.

Job Search and Choice: A Clarification and Elaboration of Soelberg's Model. Presented at National Academy of Management Meeting, August 1981, (with Aldag, R.J.).

Impact of Data Management on Organizational Decision Making. Presented at the National Meeting of the American Institute for Decision Sciences, November 1980 (abstract in Proceedings).

Basic DECAID. Presented at the National Meeting of the Academy of Management, August 1978 (with Rose, G.L. and Valliere, W.P.).

## **Work-in-Progress and Working Papers**

Power, D.J., "Designing and Developing a Computerized Decision Aid: A Case Study", posted at DSSResources.COM, <http://dssresources.com/papers/decisionaids.html>, version 2.0, April 14, 1998.

Power, D.J., "A Brief History of Decision Support Systems", posted at DSSResources.COM, version 2.6, November 12, 2002, version 3.0 published AMCIS 2004.

## **Funded Research and Grants**

1998-1999 - Deere & Company Computer Information Services contract for research and consulting on Interactive Video Distance Learning (UNI G/C Number 99-050).

Fall 1996 - University of Northern Iowa Professional Development Leave (PDL) for research.

1990- Apple/Iowa Bankers equipment grant for UNI Information Systems Research Lab

1987- Apple Computer Equipment grant

1986 - UNISYS grant for an Executive Workstation Project.

Summer 1984 --Curriculum development research on decision aids funded by University of Maryland.

## **Teaching Manuals and Materials**

Power, D.J. Management Decision Assistant Cases. South-Western Publishing Co., 1987.

Schweiger, D.M., Power, D.J., and Gannon, M.J. Instructors Manual for Strategic Management Skills. Addison-Wesley, 1986.

Power, D.J., Gannon, M.J., McGinnis, M.M., and Schweiger, D.M. Strategic Management Skills Videotape. Addison-Wesley, 1986.

## **Professional Affiliations**

Association for Information Systems (AIS) and SIG DSS; Midwest Association for Information Systems; Decision Sciences Institute; International Federation for Information Processing (IFIP) Working Group 8.3.

## **Major Professional Activities**

Co-Guest Editor with G. Phillips-Wren of a special issue of Journal of Decision Systems on "Decision Making in Web 2.0 and Social Media," Vol. 20, Issue 3, 2011.

Founding President and principal organizer of the Association for Information Systems (AIS) Midwest Chapter (MWAIS), 2005-2007. Past President, 2007-2008, At-Large Executive Board Member 2010-continuing.

Founding chair and principal organizer of the Association for Information Systems (AIS) Special Interest Group on Decision Support, Knowledge and Data Management Systems (SIG DSS: ISDSS), 2001-2004; Member of the Advisory Board of the AIS SIG on Decision Support, Knowledge and Data Management Systems (SIG DSS: ISDSS), 2005-2011.

Member of the IFIP WG 8.3 Working Group Task Force on DSS curriculum 2007-2008.

Co-Program Chair for ICDSS 2007, 9th International Conference on Decision Support Systems, Jan. 2-4, 2007, Calcutta, India. Theme: Decision Support for Global Enterprises.

Member of the Scientific Committee for CIDMDS 2006, International Conference on Creativity and Innovation in Decision Making and Decision Support sponsored by IFIP WG 8.3, June 28 - July 1, 2006, London, UK.

Chair of the AIS SIG DSS: ISDSS 2005 Best Journal Article Award committee.

Member and core competency advisor, International Academy for Advanced Decision Support 2003-2005, <http://www.iaads.unomaha.edu>.

Co-Guest Editor with H. Bhargava and D. Sun of special issue of Decision Support Systems Journal on “Web-based Decision Support Systems”.

Member of the program committee Third International Workshop on E-Business (Web 2004), theme “Dynamic and Service-Oriented E-Business”, chair Minder Chen, Washington, DC, USA, December 11-12, 2004.

Member of the program committee 2004 SIGDSS workshop, chair David Paradice, Washington, DC, USA, December 12, 2004.

Member of the Scientific Committee for 2004 IFIP Conference on Decision Support Systems, “Decision Support in an Uncertain and Complex World”, Prato, Tuscany, Italy, July 1-3, 2004.

Member of the Scientific Programme Committee of the International Conference on Knowledge Engineering and Decision Support (ICKEDS'2004) Porto, Portugal, from July 19th to 23rd, 2004, <http://www.gecad.isep.pt/ICKEDS04/>.

Member of the Scientific Committee for 7th International Conference of the International Society for Decision Support Systems (ISDSS'03) on “DSS in the Uncertainty of the Internet Age”, Ustron, Poland, July 13-16, 2003.

Member of the Steering Committee for the IFIP Working Group 8.3 International Conference on “Decision Making and Decision Support in the Internet Age”, Cork, Ireland, July 4-7, 2002.

Mini-Track Chair Model-Driven, Web-Based Decision Support Systems AMCIS 2007.

Mini-Track Co-Chair (with K. Dowling) Decision Support Systems AMCIS 2003.

Mini-Track Co-Chair (with H. Bhargava and M. Warkentin) Decision Support Systems AMCIS 2002.

Mini-Track Co-Chair (with H. Bhargava) Decision Support Systems AMCIS 2001.

Mini-Track Chair Model-Driven and Web-Based Decision Support Systems AMCIS 2000.

Decision Support Systems Research Section Editor, ISWorld Net, URL <http://www.isworld.org>, 1996-2004.

Current Member of the Editorial Review Boards of, International Journal of Decision Support System Technology and Studies in Informatics and Control Journal.

Former member of the Editorial Review Boards of Information Resources Management Journal (IRMJ), 1990-1997, and Communications of the Association for Information Systems (CAIS), 1999-2006, Journal of Business Research.

Attended NCR Teradata Partners Conference in Fall 2002, 2003, 2005-2008 for DSSResources.COM.

Participant in CIEE International Faculty Development seminar in Japan, "Japan's Role in the New World Order", International House of Japan, Tokyo, January 8-14, 1995.

Elections coordinator and member of Nominating Committee, IFIP Working Group 8.2, 1993.

Attended AACSB Accreditation and Quality Improvement meetings, 1990, 1991, 1993, 1994. Attended AACSB National meeting, Seattle, WA 1993. Attended AACSB TQM workshop February 1994 in Knoxville.

Newsletter Editor, Organizational Communication and Information Systems Division, Academy of Management, 1989-1992.

Session Chairperson: Americas Conference on Information Systems, 2000-2003; National Academy of Management Meeting, 1993, 1982; Strategic Management Society Meeting, Barcelona, Spain, 1985; Midwest Academy of Management meeting, 1994, 1995.

Discussant: National Academy of Management, 1992; IFIP 8.2 meeting, 1992; Midwest Academy of Management meeting, 1994, 1991, 1978; National Decision Sciences Institute meeting, 1991, 1982; Eastern Academy of Management meeting, 1988.

Invited Panel/Workshop Participant: National Meeting of the American Institute for Decision Sciences (1979); National Meeting of the Academy of Management, MED Division (1982); Information Resources Management Association meeting, 1991; IFIP 8.2 meeting, 1993.

Occasional manuscript reviewer for Addison-Wesley, Wiley, Southwestern Publishing Co (member Management Advisory Board, 1988-1992), Little, Brown & Co., and McMillan Publishing Company.

Ad Hoc reviewer for Management Science, Decision Sciences, Decision Support Systems, MIS Quarterly, Journal of Management Studies and Administrative Science Quarterly. Paper reviewer in various years for Policy and DSS Tracks, National Decision Sciences Institute meetings, Americas Conference on Information Systems meeting, Eastern Academy of Management meeting.

Member Steering Committee for Washington, DC ACM Technical Symposium, 1988, 1989. Member Program Committee for Second Symposium on Human Factors in MIS Conference, 1988, 1989. Track chair 1992 IRMA meeting. Scientific program committee member IFIP WG 8.2 1994 meeting.

Presentation on "A Management Policy Expert System" at the Information Technology and Organizational Performance Colloquium, Syracuse University, June 1986.

Participant in Conference on U.S. Steel Industry, University of Virginia, November 1985.

Fellow at NATO Advanced Study Institute on "Intelligent Decision Aids", San Miniato, Italy, Sept. 1985.

Participant at Arthur Anderson & Co. Business Ethics Program, January 1991.

Participant Academy of Management consortiums, Business Policy and Planning (1979), Organizational Behavior and Theory (1978); and Junior Faculty Workshop, Organization Management and Theory (1983).

Presentations on "Mergers and Acquisitions" and "The Impact of Information Management on Organizations" at the College of Commerce, University of Illinois, Urbana, Ill, December 1985.

A Judge for NASCP-Houston Chapter Graduate Student Award Competition, Spring 1984, Spring 1985.

Practitioner Presentations: "What's IT all about? Supporting Decision Makers" to Database Users Assn. of Iowa (2004), "User Interface Design" to Census Bureau EDP Workshop (1988); "Strategic Planning" at General Services Administration Management Seminar (1984) and SE Regional Competitive Intelligence Society (1988); and on "Application of Artificial Intelligence to Business Planning" to the Washington Women in Information Processing (1984); and to other groups.

## **Consulting and Training**

Short-term consulting for a number of organizations including: Waterloo/Cedar Falls, IA Board of Realtors; Center for Naval Analyses; American Alliance for Health, Physical Education, Recreation and Dance; Packard Press, Science Applications International Corporation (SAIC), South-Western Publishing Co., and Weinberg Consulting Group.

Training Coordinator and trainer for two associations: Specialized Carriers and Riggers' Professional Management Institute in 1984 and 1985; Association of School Business Officials' 1985 Institute. Trainer for a number of programs including: Maryland Banker's Institute (1988); Maryland Government Executives Institute (1987-88); U.S. Office of Personnel Management (OPM) Management Training Institute (1988); Maryland Business Executives Institute (1988).

Chairperson, Financial Information Systems and Technology 1991 and 1992 Symposiums.

## **University Service**

2011 – continuing Member UNI Graduate Council.

2005 – continuing Member of the UNI College of Business Scholarship Committee.

2009 – continuing At-large member of the UNI Faculty Committee on Committees; Committee Chair 2011-2012.

2004-2008; 2010 – continuing Member of University of Northern Iowa United Faculty/AAUP Central Committee and served on the collective bargaining negotiating team; Secretary of the Central Committee 2011-2012.

2005-2006 – Member of the Iowa Board of Regent's UNI Presidential Search and Screening committee; Co-Chair of the UNI Campus Committee for the Presidential Search; Member of UNI Multimodal Advisory committee.

2004-2005 – Chair University of Northern Iowa (UNI) University Faculty; Chair UNI President's 5 year Review Committee; member UNI President's Campus Advisory Group.

2001-2002 – Chair University of Northern Iowa (UNI) University Faculty Senate.

1999 - 2002 -- Member UNI University Faculty Senate.

2000 - 2001 -- Chair UNI University Faculty Senate Budget Committee.

1999 - 2001 -- Chair of UNI College of Business Administration Faculty Council.

1999 – 2000 -- Chair UNI Management Department Program Review Committee

1998 - 1999 -- Member of UNI College of Business Administration Faculty Council.

1990 - 1994 -- Member UNI Academic Computing Advisory Committee; Member CBA Information Technology Committee.

1990 - 1993 -- Member UNI Administrative Computing Advisory Committee.

1989 - 1991 -- Chair, Information Technology Committee, UNI College of Business Administration.

1988 - 1989 -- Member University of Maryland-College Park Committee on Academic Computing Policy. Member UMDCP Administrative Applications Migration Advisory Committee. Member University of Maryland-College Park AT&T Teaching Theater Committee.

1986 - Member of Computer Integration Task Force, College of Business and Management, UMD. Coordinated Strategic Management Ph.D. Major Comprehensive Exam.

1984 - 1988 -- Member of the University of Maryland-College Park College of Business and Management Computer Committee. Coordinator for the UMD MBA Business Case Competition.

1984 - 1986 -- Member of the University of Maryland-College Park Faculty Advisory Committee for the Hubert Humphrey North-South Fellowship Program.

1984 -- Member of Planning Committee of the Maryland "Profitable Partnerships" Conference.

1983 - 1984 -- Chairperson of the University of Maryland-College Park College of Business and Management Computer Committee. Coordinator of the Strategy and Planning Research Group.

1982 - 1983 -- Coordinated Development of the first Strategic Management and Policy Ph.D. Program and Reading List for the University of Maryland-College Park College of Business and Management.

## **Awards and Honors**

2009 recipient of the Iowa Board of Regents Award for Faculty Excellence.

2009 recipient UNI College of Business Administration Faculty Teaching Innovation Award.

2008 recipient of the University of Northern Iowa Ross A. Nielsen Professional Service Award.

2007 AISWorld Challenge Award, Decision Support Systems Research Page, Section Editor: Daniel J. Power, Co-Editor: Vijayan Sugumaran.

U.S. Department of State Fulbright Senior Specialist candidate, selected December 2003.

University of Northern Iowa College of Business 2002 Faculty Service Award.

University of Northern Iowa Management Dept. Advisory Board Outstanding Leadership Award, 1996

Kohler Fellow, University of Wisconsin-Madison, Madison, WI, 1981.

NSF Travel Fellowship for NATO Conference, Fall 1985.

Included in Who's Who in Frontiers of Science and Technology and in Who's Who in Finance and Industry, published by Marquis Who's Who, Inc.

Faculty Advisor for the 1984, 1986 and 1987 University of Maryland First Place Teams and the 1985 Second Place Team at the Rutgers/Harrah's MBA Case Tournament, Atlantic City, NJ.

University of Maryland-College Park, College of Business and Management Top 15% Faculty Teaching Award, received for Business Policy (BMGT 495) in Fall 1983, and for both Business Policy (BMGT 495) and Decision Support Systems (BMGT 798C) in Fall 1984.

Member of Sigma Xi, The Scientific Research Society, and Beta Gamma Sigma, The Honor Society for AACSB Accredited Business Programs.