

UC Santa Barbara

NCGIA Technical Reports

Title

Spatial Decision Support Systems: A Bibliography (91-9)

Permalink

<https://escholarship.org/uc/item/87w075q5>

Authors

Gould, Michael D.
Densham, Paul J.

Publication Date

1991-06-01

National Center for Geographic Information and Analysis

**Spatial Decision Support Systems:
A Bibliography**

Compiled by
Michael D. Gould and Paul J. Densham.

National Center for Geographic Information & Analysis
State University of New York at Buffalo,
Buffalo, NY 14261
USA

National Center for Geographic Information & Analysis/NCGIA
Technical Paper 91-9
June 1991

SPATIAL DECISION SUPPORT SYSTEMS: A BIBLIOGRAPHY

Compiled by M.D. Gould¹ and P.J. Densham¹

Note: This bibliography was compiled from sources including journal indices, book indices, and databases. We would like to thank everyone who sent us references for inclusion in this bibliography.

IMPLEMENTED SYSTEMS

- Armstrong, M.P., Rushton, G., Honey, R., Dalziel, B., Lolonis, P., De, S. and Densham, P.J. A spatial decision support system for regionalizing service delivery systems. *Computers, Environment and Urban Systems*. 15: in press.
- Bosque, J. and Moreno, A., 1990. Facility location analysis and planning: a GIS approach. *Proceedings, EGIS '90* (EGIS Foundation, Utrecht) pp. 87-94.
- Ogryczak, W., Studzinski, K. and Zorychta, K., 1988. Interactive Network Analysis System - DINAS. Version 2.1 User's Manual, WP-88-114 (HASA, Laxenberg).
- Robinson, V.B., 1983. Urban Data Management Software (U.D.M.S.) Package. User's Manual (United Nations Centre for Human Settlements (HABITAT), Nairobi).
- Willer, D.J., 1990. A Spatial Decision Support System for Bank Location: A Case Study. NCGIA Technical Report 90-9 (NCGIA, Santa Barbara).

PAPERS (GEOGRAPHY/PLANNING)

- Anderson, K.E., 1978. Spatial analysis in a data base environment. *Proceedings, First International Advanced Study Symposium on Topological Data Structures for GIS*.
- Armstrong, M.P., 1988. Distance imprecision and error in spatial decision support systems. *Proceedings, International Geographic Information Systems (IGIS) Symposium: The Research Agenda, Vol. II*. (Association of American Geographers, Washington), pp. 23-34.
- Armstrong, M.P., De, S., Densham, P.J., Lolonis, P., Rushton, G. and Tewari, V.K., 1989. A Knowledge-Based Approach for Supporting Locational Decision Making. Technical Report, The University of Iowa Public Policy Center, (University of Iowa, Iowa City).
- Armstrong, M.P., De, S., Densham, P.J., Lolonis, P., Rushton G. and Tewari, V.K., 1990. A knowledge-based approach for supporting locational decision-making. *Environment and Planning B*, 17: 341-364.
- Armstrong, M.P. and Densham, P.J., 1990. Database organization alternatives for spatial decision support systems. *International Journal of Geographic Information Systems*. 4: 3-20.
- Armstrong, M.P., Densham, P.J. and Bennett, D.A., 1989. Object-oriented locational analysis. *Proceedings, GIS/LIS '89*, (Orlando, FL.) pp. 717-726.
- Armstrong, M.P., Densham, P.J. and Rushton, G., 1986. Architecture for a Microcomputer Based Decision Support System. *Proceedings, Second International Symposium on Spatial Data Handling* (International Geographical Union, Seattle) pp. 120-131.
- Armstrong, M.P., and Lolonis, P., 1989. Interactive analytical displays for spatial decision support systems. *Proceedings, Ninth International Symposium on Computer-Assisted Cartography*, (American Congress on Surveying and Mapping, Falls Church) pp. 171-180.

¹ National Center for Geographic Information and Analysis, State University of New York at Buffalo, Buffalo, NY 14261, USA. (716) 636-2545. Email: ncgia@ubvms.bitnet.

- Bagrinovski, K.A., 1974. Decisions in a system of models for planning national economy. In: Information Processing 74 (Proceedings of the IFIP Congress), ed. J.L. Rosenfeld (North Holland, New York).
- Bartlett, D.J., 1990. A geographical spreadsheet for visual interactive modelling. Proceedings, EGIS '90 (EGIS Foundation, Utrecht) pp. 30-39.
- Beaumont, J.R., 1986. Modelling should be more relevant: some personal reflections. Letter to the editor, Environment and Planning A, 18: 419-421.
- Beaumont, J.R., 1988. Editorial. Environment and Planning A. 20: 1141-1144.
- Beaumont, J.R., 1988. Store Location Analysis: Problems and progress. In: Store Choice, Store Location, and Market Analysis, ed. N. Wrigley (Routledge, London) pp. 87-105.
- Beaumont, J.R., 1990. Computer-based information systems: where is GIS located? In GIS: Prospects for the 1990s, eds. M. Clarke and S. Openshaw (Blackwell, Oxford).
- Bhatnagar, S.C. and JaJoo, B.H., 1987. A DSS generator for district planning. Information and Management. 13: 43-49.
- Birkin, M., Clarke, G.P., Clarke, M., and Wilson, A.G., 1987. Geographical Information Systems and Model-based Location Analysis: Ships in the Night or the Beginnings of a Relationship? Working Paper 489, School of Geography (University of Leeds, Leeds).
- Brail, R.K., 1990. Integrating urban information systems and spatial models. Environment and Planning B. 17: 417-427.
- Brill, E.D., Flach, J.M., Hopldns, L.D. and Ranjithan, S., 1990. MGA: a decision support system for complex, incompletely defined problems. IEEE Transactions on Systems, Man, and Cybernetics. 20(4): 745-757.
- Burrough, P.A., van Duersen, W., Heuvelink, G., 1988. Linking spatial process models and GIS: a marriage of convenience or a blossoming partnership? Proceedings, GISJLIS'89 (ACSM, Bethesda) pp. 598-607.
- Carlson, E.D., Bennett, J.L., Giddings, G.M. and Mantey, P.E., (1974. The design and evaluation of an interactive geo-data analysis and display system. Information Processing 74 (Proceedings of the EFIP Congress), ed. J.L. Rosenfeld (North Holland, New York) pp. 1057-1061.
- Clarke, M., 1989. Geographical information systems and model based analysis towards effective decision support systems. Proceedings, GIS Summer Institute (Kluwer, Amsterdam).
- le Clercq, F., 1990. Information supply to strategic planning. Environment and Planning B. 17: 429-440.
- Cowen, D.J., 1988. GIS versus CAD versus DBMS: what are the differences? Photogrammetric Engineering and Remote Sensing. 54:1551-1555.
- Davis, J.R., Compagnoni, P.T. and Nanninga, P.M., 1987. Roles for knowledge-based systems in environmental planning. Environment and Planning B. 14: 239-254.
- Davis, J.R. and Grant, I.W., 1987. ADAPT: a knowledge-based decision support system for producing zoning schemes. Environment and Planning B. 14: 53-66.
- Densham, P.J., 1986. A Decision Support System for Planning Settlement Systems in Sparsely Settled Regions. Discussion Paper 41, Department of Geography (University of Iowa, Iowa City).
- Densham, P.J., 1991. Spatial decision support systems. In: Geographical Information Systems: Principles and Applications, eds. D.J. Maguire, M.F. Goodchild and D.W. Rhind (Longman, London) in press.
- Densham, P.J. and Armstrong, M.P., 1987. A spatial decision support system for locational planning: design, implementation and operation. Proceedings, Auto Carto 8 (ACSM/ASPRS, Bethesda) pp. 112-121.

- Densham, P.J. and Goodchild, M.F., 1989. Spatial decision support systems: a research agenda. Proceedings, GISYLIS '89 (ACSM, Bethesda) pp. 707-716.
- Densham, P.J., and Goodchild, M.F., (1990. Spatial Decision Support Systems: Scientific Report for the Specialist Meeting. NCGIA Technical Report 90-5 (NCGIA, Santa Barbara).
- Densham, P.J. and Rushton, G., 1988. Decision support systems for locational planning. In: Behavioural Modelling in Geography and Planning, eds. R.G. Golledge and H. Timmermans (Croorn Helm, London) pp. 56-90.
- Diamond, J.T. and Wright, J.R., 1988. Design of an integrated spatial information system for multiobjective land-use planning. Environment and Planning B. 15: 205-214.
- Dobson, M.W., 1986. Spatial decision support systems for early warning of disaster driven social emergencies. Proceedings, 2nd International Symposium on Spatial Data Handling (International Geographical Union, Seattle) pp. 332-348.
- Fedra, K. and Reitsma, R., 1989. Decision support and geographical information systems. Proceedings, GIS Summer Institute (Kluwer, Amsterdam).
- Goodchild, M.F., 1984. ILACS: A Location Allocation Model for Retail Site Selection. Journal of Retailing. 60: 84-100.
- Goodchild, M.F., 1989. Geographic Information Systems and Market Research. Papers, 12th Applied Geography Conference (Binghamton, New York) pp. 1-8.
- Gould, M.D., 1989. The value of spatial decision support systems for oil and hazardous chemical spill response. Papers, 12th Applied Geography Conference (Binghamton, New York) pp. 75-83.
- Grace, B.F., 1975. A Case Study of Man/Computer Problem Solving. IBM Research Report RJ1483 (IBM, San Jose).
- Harris, B., 1989. Beyond geographic information systems: computers and the planning professional. Journal of the American Planning Association. 55: 85-90.
- Holloway, C.A. and Mantey, P.E., 1976. Implementation of an Interactive Graphics Model for Design of School Boundaries. Research Paper 299, Graduate School of Business (Stanford University, Stanford).
- Holsapple, C.W., and Whinston, A.B., 1976. A decision support system for area-wide water quality planning. Socio-Economic Planning Sciences. 10: 265-273.
- Honey, R., Rushton, G., Armstrong, M.P., Lolonis, P., Dalziel, B., De, S. and Densham, P.J. 1991. Stages in the adoption of a spatial decision support system for reorganizing service delivery regions. Environment and Planning C. 9: in press.
- Hopkins, L., 1984. Evaluation of methods for exploring ill-defined problems. Environment and Planning B. 11: 339-48.
- Hopkins, L. and Armstrong, M., 1985. Analytic and cartographic data storage: a two-tiered approach to spatial decision support systems. Proceedings, Auto-Carto 7 (ASPRS, Falls Church) pp. 283-92.
- Hopmans, A.C.M., 1986. A spatial interaction model for bank branch accounts. European Journal of Operational Research. 27: 242-250.
- Horn, M., O'Callaghan, J. and Garner, B., 1988. Design of an integrated system for spatial planning tasks. Proceedings, Third International Symposium on Spatial Data Handling (IGU, Columbus) pp. 107-116.
- Kammeier, H.D. and Mehta, B.E., 1985. Microcomputer based evaluation and planning tools for rural center development in third world countries. Computers, Environment, and Urban Systems. 10: 105-123.
- Lolonis, P. and Armstrong, M.P., 1988. Design of an expert system for spatial planning. Proceedings, GIS/LIS'88 (ACSM, Falls Church) pp. 800-809.
- Malczewski, J., 1990. Central facility location and environmental health. Environment and Planning A.

- MaIczewski, J. and Ogryczak, W., 1990. An interactive approach to central facilities planning. *Geographical Analysis*.
- Mantey, P.E. and Carlson, E.D., 1980. Integrated geographic data bases: the GADS experience. In: *Data Base Techniques for Pictorial Applications*, ed. A. Blaser (Springer Verlag, Berlin) pp. 173-98.
- Nyerges, T., 1987. GIS support for micro-macro spatial modelling. *Proceedings, AutoCarto 9 (ACSM, Bethesda)* pp. 567-579.
- Openshaw, S., 1986. Modelling relevance. *Editorial, Environment and Planning A*. 18: 143-150.
- Ogino, K., 1982. Computerized decision support systems in policy and planning of Hyogo Prefecture. *Computers, Environment, and Urban Systems*. 7: 89-93.
- Reitsma, R.F., 1990. *Functional Classification of Space; Aspects of Site Suitability Analysis in a Decision Support Environment*. Publication RR-90-2 (International Institute for Applied Systems Analysis, Laxenburg).
- Rushton, G., Honey, R., Armstrong, M.P., Dalziel, B., De, S., Densham, P.J., and Lolonis, P., 1989. An Illustration of the Use of a Computer-aided Decision Support System for Making Locational Decisions: the Geographical Restructuring of Iowa's Area Education Agencies. Technical Report, Public Policy Center (The University of Iowa, Iowa City).
- Scholten, H.J. and Padding, P., 1990. Working with geographic information systems in a policy environment. *Environment and Planning B*. 17: 405-416.
- Sharp, J. A., and Bharath, T.K.T., 1983. Adaptive decision support system design strategy for a regional socioeconomic balance sheet. *Computers, Environment and Urban Systems*. 8: 71-81.
- Sutton, J.A., 1978. Evaluation of a Decision Support System: A Case Study with the Office Products Division of IBM. *Research Report RJ2214(30167)3/30178 (IBM Research Laboratory, San Jose)*.
- van der Vlugt, M., 1989. The use of a GIS based decision support system in physical planning. *Proceedings, GIS/LIS '89 (ASPRS, Bethesda)* pp. 459-467.
- Waters, N. M., 1989. Expert Systems within a GIS: knowledge acquisition for spatial decision support systems. *Proceedings, Challenge for the 1990's, (Ottawa, Ontario)* pp. 740-759.
- White, B., 1985. Modelling forest pest impacts - aided by a geographic information system in a decision support system framework. *Proceedings, Geographic Information Systems Workshop (ASPRS, Falls Church)* pp. 238-248.

PAPERS (OTHER)

- Aldag, R.J., and Power, D.J., 1986. An Empirical Assessment of Computer-Assisted Decision Analysis. *Decision Sciences*. 17: 572-588.
- Alexander, D.J., 1986. Planning and Building a DSS. *Datamation*. 32 (Mar 15): 115121.
- Anonymous, 1987. Group Decision Support Systems. *EDP Analyzer*. 25: 1-11.
- Applegate, Lynda M., Konsynski, Berm R., and Nunamaker, Jay F., 1986. Model management systems: design for decision support. *Decision Support Systems*. 2 (1): 81-91.
- Alter, S.L., 1977. A taxonomy of decision support systems. *Sloan Management Review*. 19: 39-56.
- Alter, S.L., 1983. A taxonomy of decision support systems. In: *Decision Support Systems*, ed. W.C. House (Petrocelli, New York) pp. 33-56.
- Alter, S. L., 1983. Why is man-computer interaction important for decision support systems? In: *Decision Support Systems*, ed. W.C. House (Petrocelli, New York) pp. 157-166.
- Anthonisse, J.M., Lenstra, J.K., Savelsbergh, M.W.P., 1988. Behind the screen: DSS from an OR point of view. *Decision Support Systems*. 4: 413-420.

- Anthonisse, J.M., van Hee, K.M., Lenstra, J.K., 1988. Resource-constrained project scheduling: an international exercise in DSS development. *Decision Support Systems*. 4: 249.
- Applegate, L.M., Konsynski, B.R. and Nunamaker, J.F., 1986. Model management systems: designs for decision support. *Decision Support Systems*. 2: 81-91.
- Applegate, L.M., Chen, T.T., Konsynski, B.R. and Nunamaker, J.F., 1987. Knowledge management in organizational planning. *Journal of Management Information Systems*. 3: 20-28.
- Barki, H., and Huff, S.L., 1985. Change, attitude to change, and decision support system success. *Information & Management*. 9(5): 261-268.
- Basu, A. and Dutta, A., 1986. Computer based support of reasoning in the presence of fuzziness. *Decision Support Systems*. 2 (3): 235-256.
- Baxter, J.D., 1983. Line managers move from MIS to DSS for decision-making help. In: *Decision Support Systems*, ed. W.C. House (Petrocelli, New York) pp. 57-64.
- Belardo, S., and Karwan, K.R., 1986). The development of a disaster management support system through prototyping. *Information & Management*. 10(2): 93-102.
- Bennett, LL., 1983. Analysis and design of the user interface for decision support systems. In: *Building Decision Support Systems* ed. LL. Bennett (AddisonWesley, Reading) pp. 41-64.
- Beulens, A.J.M. and van Nunen, J., 1988. The use of expert systems technology in decision support systems. *Decision Support Systems*. 4: 421-
- Binbasioglu, M., and Matthias, J., 1986. Domain specific DSS tools for knowledgebased model building. *Decision Support Systems*. 2(3): 213-223.
- Biswas, G., Oliff, M. and Sen, A., 1988. An expert decision support system for production control. *Decision Support Systems*. 4: 235.
- Blanning, R.W., 1982. A relational framework for model management in decision support systems. *DSS-82 Transactions*.
- Blanning, R.W., 1983. What is happening in D.S.S.? *Inter faces*. 13(5): 77-80.
- Blanning, R.W., 1986. An entity-relationship approach to model management. *Decision Support Systems*. 2(1): 65-72.
- Boldy, D., 1987. The relationship between decision support systems and operational research: health care examples. *European Journal of Operational Research*. 29(2):128-134.
- Bonczek, R.H., Holsapple, C.W. and Whinston, A.B., 1981. A generalized decision support system using predicate calculus and network database management. *Operations Research*. 29: 263-281.
- Bonczek, R.H., Holsapple, C.W. and Whinston, A.B., 1983. Computer-based support of organization decision making. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 291-324.
- Bonczek, R.H., Holsapple, C.W. and Whinston, A.B., 1983. The evolving role of models in decision support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 343-370.
- Bosnian, A., 1983. Decision support systems: problem processing and coordination. In: *Processes and Tools for Decision Support* ed. H.G. Sol (North-Holland) pp. 79-92.
- Boykin, R.F. and Levary, R.L., 1985. An interactive decision support system for analysing ship voyage alternatives. *Interfaces*. 15: 81-84.
- Bree, D.S., 1984. Against optimality. In: *The Quest for Optimality* eds. J.H.P. Paelinck and P.H. Vossen (Gower, Aldershot) pp. 112-127.

- Brennan, J.J. and Elam, LL, 1986. Understanding and validating results in model-based decision support systems. *Decision Support Systems*. 2(1): 49-54.
- Brennan, J.J. and Elam, LL, 1986. Enhanced capabilities for model-based decision support systems. In: *Decision Support Systems: Putting Theory into Praxis* eds. R. Sprague and H.J. Watson (Prentice Hall, Englewood Cliffs) pp. 130-137.
- Brown, D.E. and Duren, B.G., 1986. Conflicting information integration for decision support. *Decision Support Systems*. 2(4): 321-329.
- Biffiner, R and Kleinschmidt, P., 1988. Reflections on the architecture of a decision support system for personnel assignment scheduling in a production cell technology. *Decision Support Systems*. 4: 473.
- Bui, T. and Sivasankaran, T.R., 1987. Cost-effectiveness modeling for a decision support system in computer security. *Computers & Security*. 6(2): 139-151.
- Bonczek, R.H., Holsapple, C.W. and Whinston, A.B., 1980. The evolving role of models in decision support systems. *Decision Sciences*. pp. 339-56.
- Carlson, E.D., 1983. Developing the user interface for decision support systems. In: *Building Decision Support Systems* ed. J.L. Bennett (Addison-Wesley, Reading) pp. 65-88.
- Carlson, E.D., 1983. An approach for designing decision support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 127-156.
- Carlsson, C., 1985. Decision support systems - dawn or twilight for management science? *Human Systems Management*. 5: 29-38.
- Chen, Y.S., 1988. An entity-relationship approach to decision support and expert systems. *Decision Support Systems*. 4:225.
- Christopher, M., 1986. Distribution planning. *Management Decision*. 24(3): 13-18.
- Chung, C.H., 1986. Recent applications of the maximal covering location planning (M.C.L.P.) model. *Journal of the Operational Research Society*. 37(8): 735-746.
- Davis, D.L. and Elnicld, R.A., 1984. User cognitive types for decision support systems. *Omega*. 12(6): 601-614.
- Davis, G.B., 1983. Strategies for information requirements determination. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 189-222.
- De, S., 1986. Providing effective decision support: modeling users and their requirements. *Decision Support Systems*. 2(4): 309-319.
- Dean, T.L., 1986. Handling shared resources in a temporal data base management system. *Decision Support Systems*. 2(2): 135-143.
- DePorter, E.L. and Sepulveda, J.M., 1986. GFUZ: an interactive program for solving a multicriteria decision-making problem. *Computers & Industrial Engineering*. 11(1-4): 439-444.
- DeSanctis, G., 1984. Computer graphics as decision aids: directions for research. *Decision Sciences*. 15(4): 463-87.
- DeSanctis, G. and Gallupe, R.B., 1985. Group decision support systems: a new frontier. *Data Base*. 16(Winter): 3-9.
- DeSanctis, G. and Gallupe, R.B., 1987. A foundation for the study of group decision support systems. *Management Science*. 33(5): 589-609.
- De Zeeuw, G., 1985. Problems of increasing competence. *Systems Research*. 2(1): 1319.
- Doherty, W.J. and Pope, W.G., 1986. Computing as a tool for human augmentation. *IBM Systems Journal*. 25(3/4): 306-320.
- Dolk, D.R., 1986. Data as models: an approach to implementing model management. *Decision Support Systems*. 2(1): 73-80.

- Dolk, D. and Konsynsld, B.R., 1984. Knowledge representations for model management systems. *IEEE Transactions on Software Engineering*. SE- 10: 619-628.
- Donovan, J.J. and Madnick, S.E., 1977. Institutional and ad hoc decision support systems and their effective use. *Data Base*. 8: 98-110.
- Douddis, G.I., 1988. Decision support system concepts in expert systems: an empirical study. *Decision Support Systems*. 4: 345-350.
- Durway, J.W., 1983. Sensitivity analysis and simulation. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 433-441.
- Dutta, A. and Basu, A., 1986. Computer based support of reasoning in the presence of fuzziness and uncertainty. *Decision Support Systems*. 2(4): 331-346.
- Edelstein, M. and Melnyk, M., 1981. Decision support models for fleet planning. In: *Decision Support Systems* eds. M.J. Ginzberg et al., North-Holland, New York) pp. 121-32.
- Eliot, L.B., 1987. Information management and expert systems: a pedagogical approach. *Information Management Review*. 2(3): 63-69.
- Er, M.C., 1988. Decision support systems: a summary, problems and future trends. *Decision Support Systems*. 4: 355.
- Evans, S.R. and Norback, J.P., 1985. The impact of a decision support system for vehicle routeing in a foodservice supply situation. *Journal of the Operational Research Society*. 36: 467-72.
- Fedorowicz, J. and Williams, G.B., 1986. Representing modeling knowledge in an intelligent decision support system. *Decision Support Systems*. 2(1): 3-14.
- Fedra, K., Weigkricht, E. and Winkelbauer, L., 1986. A hybrid approach to information and decision support systems: hazardous substances and industrial risk management. *ISAC Proceedings of the Conference on Economy and Artificial Intelligence (Aix en Provence, France)*, pp. 169-175.
- Fedrizzi, M., Kacprzyk, J. and Zadrozny, S., 1988. An interactive multi-user decision support system for concensus reaching processes using fuzzy logic with linguistic quantifiers. *Decision Support Systems*. 4: 313.
- Finlay, P.N., 1986. Decision support systems. *Data Processing*. 28(8): 434-437.
- Finlay, P.N., 1990. Decision support systems and expert systems: a comparison of their components and design methodologies. *Computers and Operations Research*. 17(6): 535-543.
- Fischhoff, B. and Goitein, B., 1984. The informal use of formal models. *Academy of Management Review*. 9(3): 505-512.
- Forgionne, G.A., 1986. Effective resource allocation through decision support systems. *Journal of Systems Management*. 37(12):26-31.
- Freedman, P. and Malowany, A., 1988. SAGE: a decision support system for the sequencing of operations within a robotic workcell. *Decision Support Systems*. 4:329.
- Geoffrion, A.M., 1983. Can OR/MS evolve fast enough? *Inter aces*. 13(1): 10-25. fi
- Geoffrion, A.M., 1987. An introduction to structured modelling. *Management Science*. 33(5): 547-588.
- Geofftion, A.M. and Powers, R.F., 1983. Management support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 65-84.
- Ghiaseddin, N., 1986. An environment for development of decision support systems. *Decision Support Systems*. 2(3): 195-212.
- Ginzberg, M.J. and Stohr, E.A., 1981. Decision support systems: issues and perspectives. In: *Decision Support Systems* eds. M.J. Ginzberg et al., North-Holland, New York.

- Golden, B.L., Hevner, A.R., and Power, D.J., 1986. Decision insight systems for microcomputers: a critical evaluation. *Computers & Operations Research*. 13(2/3): 287-300.
- Good, P., 1986. New tools for management. *Business Software Review*. 5(10): 38-40.
- Gorry, G.A. and Morton, M.S., 1971. A framework for management information systems. *Sloan Management Review*. 13: 56-70. (Reprinted in *Sloan Management Review*, 1989.)
- Goslar, M.D. and Brown, S.W., 1986). Decision support systems: advantages in consumer marketing settings. *Journal of Consumer Marketing*. 3(3): 43-50.
- Henderson, J.C. and Ingraham, R.S., 1981. Prototyping for DSS: a critical appraisal. In: *Decision Support Systems* eds. M.J. Ginzberg, W. Reitman and E.A. Stohr (North-Holland, New York) pp. 79-96.
- Hill, A.V. and Vollmann, T.E., 1986. Reducing vendor delivery uncertainties in a JIT environment. *Journal of Operations Management*. 6(3/4): 381-392.
- Holroyd, P., Mallory, G., Price, D.H.R. and Sharp, J.A., 1985. Developing expert systems for management applications. *Omega*. 13(1): 1-11.
- Hopmans, A.C.M., 1986. A spatial interaction model for branch bank accounts. *European Journal of Operational Research*. 27(2): 242-250.
- Hough, P.K., and Duffy, N.M., 1987. Top management perspectives on decision support systems. *Information & Management*. 12(1): 21-31.
- Hsu, C., 1986). A decision support system for database evolution using data model independent architecture. *Computers & Operations Research*. 13(4): 427-436.
- Huber, G.P., 1984. Issues in the design of group decision support systems. *MIS Quarterly*. 8(3): 195-204.
- Huff, S.L., 1986. DSS development: promise and practice. *Journal of Information Systems Management*. 3(4): 8-15.
- Humphreys, P., 1986. Intelligence in decision support. In: *New Directions in Research on Decision Making* eds. B. Brehmer, H. Jungerman, P. Lorens and G. Sevon (North-Holland, New York) pp. 333-361.
- Hunt, R.G., 1984. Decision making theory and DSS design. *Data Base*. 15(4): 10-14.
- Hurion, R.D., 1986. Visual interactive modelling. *European Journal of Operational Research*. 23: 281-287.
- Hurley, M.W., and Wallace, W.A., 1986. Expert Systems as decision aids for public managers: an assessment of the technology and prototyping as a design strategy. *Public Administration Review*. 46:563-571.
- Hurst, E.G. and Kohner, M.R., 1982. Optimization in interactive planning systems. In: *Decision Support Systems* eds. M.J. Ginzberg et al., North-Holland, New York.
- Inmon, W.H., 1986. Parallel processing - potential and realization. *EDP Performance Review*. 14(8): 1-5.
- Jarke, M., 1986. Knowledge sharing and negotiation support in multiperson decision support systems. *Decision Support Systems*. 2(1): 93-102.
- Jarke, M., and Radermacher, F.J., 1988. The Ai-potential of model management and its central role in decision support. *Decision Support Systems*. 4: 387.
- Jones, G. and Udger, J., 1986. Expert systems in decision support: opportunities for the retailer. *Retail & Distribution Management*. 14(5): 18-19.

- Keen, P.G.W., 1977. The evolving concept of optimality. In: Multiple Criteria Decision Making eds. M.K. Starr, and M. Zeleny (North-Holland, New York).
- Keen, P.G.W., 1980. Adaptive design for decision support systems. *Data Base*. 12: 1525.
- Keen, P.G.W., 1983. Interactive computer systems for managers: a modest proposal. In: Decision Support Systems ed. W.C. House (Petrocelli, New York) pp. 167-188.
- Keen, P.G.W., 1983. Decision support systems: translating analytic techniques into useful tools. In: Decision Support Systems ed. W.C. House (Petrocelli, New York) pp. 371-390.
- Keen, P.G.W., 1986. Value analysis: justifying decision support systems. In: Decision Support Systems: Putting Theory into Praxis eds. R. Sprague and H.J. Watson (Prentice Hall, Englewood Cliffs) pp. 48-64.
- Keen, P.G.W., 1987. Decision support systems: the next decade. *Decision Support Systems*. 3: 253-265.
- Keen, P.G.W., Wagner, G.R., 1983. DSS: an executive mind-support system. In: Decision Support Systems ed. W.C. House (Petrocelli, New York) pp. 325-342.
- Keeney, R.L., 1988. Value-driven expert systems for decision support. *Decision Support Systems*. 4: 405.
- Keim, R.T. and Jacobs, S., 1986. Expert systems: the DSS of the future? *Journal of Systems Management*. 37(12): 6-14.
- Konsynski, B.R. and Dolk, D., 1982. Knowledge abstractions in model management. *DSS-82 Transactions*.
- Konsynski, B.R. and Sprague, R.H., 1986. Future research directions in model management. *Decision Support Systems*. 2(1): 103-109.
- Kung, C.H., 1985. High parallelism and a proof procedure - I: theoretical considerations. *Decision Support Systems*. 1(4): 323-33 1.
- Lall, R.K., 1986. Development tools for expert systems copy human reasoning skills. *Computer Technology Review*. 6(4): 25-27.
- Larreche, J.C., Srinivasan, V., 1983. STRATPORT: a decision support system for strategic planning. In: Decision Support Systems ed. W.C. House (Petrocelli, New York) pp. 391-420.
- Lasden, M., Alloway, R., and Umbaugh, R.E., 1987. Decision support systems: mission accomplished? *Computer Decisions*. 19(7): 41-44.
- Lee, K.C., and Park, S.J., 1988. Decision support in time series modelling by pattern recognition. *Decision Support Systems*. 4: 199.
- Liebman, J.S., 1986. Implementation issues for operations research software. *Computers & Operations Research*. 13(2/3):347-358.
- Lundberg, B.G., 1986. On actions due to lack of information. *Decision Support Systems*. 2(2):173-180.
- Malmborg, C.J., Jones, J.E. and Jones, M.S., 1986. IMAP II: a microcomputer based decision support system for multiattribute value function assessment. *Computers & Industrial Engineering*. 11(1-4):232-235.
- Meador, C.L., Guyote, M.J. and Rosenfeld, W.L., 1986. Decision support planning and analysis: the problems of getting large-scale DSS started. *MIS Quarterly*. 10(2): 159-177.
- McGowan, R.P., and Lombardo, G.A., 1986. Decision support systems in state government: promises and pitfalls. *Public Administration Review*. 46: 579-583.
- McKenney, J.L., Keen, P.G.W., 1983. How manager's minds work. In: Decision Support Systems ed. W.C. House (Petrocelli, New York) pp. 249-270.
- Major, M.J., 1986. Manufacturing decision support systems. *Manufacturing Systems*. 4(11): 45-48.

- Malakooti, B., 1988. A decision support system and a heuristic interactive approach for solving discrete multiple criteria problems. *IEEE Transactions on Systems, Man, and Cybernetics*. 18: 273-284.
- Mattern, R.D., 1981. The integration of business information systems for decision support systems in APL. In: *Decision Support Systems* eds. M.J. Ginzberg et al., North-Holland, New York.
- McIntyre, S.C., Nunamaker, U. and Konsynski, B.R., 1986. Automating planning environments: knowledge integration and model scripting. *Journal of Management Information Systems*. 2: 49-69.
- Methlie, L.B., 1980. Data management for decision support systems. *Data Base*. 12(1/2): 40-46.
- Miller, L.W., and Katz, N., 1986. A model management system to support policy analysis. *Decision Support Systems*. 2(1): 55-63.
- Mills, R.E., Fetter, R.B. and Averill, R.F., 1977. A computer language for mathematical programming formulation. *Decision Sciences* 8: 427-44.
- Minch, R.P. and Sanders, G.L., 1986. Computerized information systems supporting multicriteria decision making. *Decision Sciences*. 17: 395-413.
- Moore, J.C. and Whinston, A.B., 1986. A model of decision-making with sequential information-acquisition (Part 1). *Decision Support Systems*. 2(4): 285-307.
- Moore, J.H. and Chang, M.G., 1980. Design of decision support systems. *Data Base*. 12(1/2): 8-14.
- Moser, J. and Christoph, R., 1987. Title? *Information Processing & Management*. 23(1): 17-23.
- Murphy, F.H. and Stohr, E.A., 1986. An intelligent system for formulating linear programs. *Decision Support Systems*. 2(1): 39-47.
- Nunamaker, U., Applegate, L.M. and Konsynski, B.R., 1987. Facilitating group creativity: experience with a group decision support system. *Journal of Management Information Systems*. 3:5-19.
- Nunamaker, U., Applegate, L.M. and Konsynski, B.R., 1988. Computer-aided deliberation: model management and group decision support. *Operations Research*. 36(6): 826-848.
- Nute, D., 1988. Defeasible reasoning and decision support systems. *Decision Support Systems*. 4: 97.
- O'Keefe, R.M., Belton, V. and Ball, T., 1986. Experiences with using expert systems in O.R. *Journal of the Operational Research Society*. 37(7): 657-668.
- Oral, M., 1987. A DSS design framework for competitive strategy formulation. *European Journal of Operational Research*. 28(2): 132-145.
- Orman, L., 1986. Flexible management of computational models. *Decision Support Systems*. 2(3): 225-234.
- Paller, A., 1986. A new generation of decision support graphics. *Business Software Review*. 5(10): 30-36.
- Partow-Navid, P., 1987. Misuse and disuse of DSS models. *Journal of Systems Management*. 38(4): 38-40.
- Pau, L.F., 1985. Inference of the structure of economic reasoning from natural language analysis. *Decision Support Systems*. 1(4): 313-321.
- Pracht, W.E., 1990. Model visualization: graphical support for DSS problem structuring and knowledge organization. *Decision Support Systems*. 6: 18-27.
- Rainaprasad, A., 1987. Cognitive process as a basis for MIS and DSS design. *Management Science*. 33(2): 139-148.
- Ramesh, R. and Sekar, G.C., 1988. An integrated framework for decision support in corporate planning. *Decision Support Systems*. 4: 365.

- Rasmussen, J., 1986. *Information Processing and Human Machine Interaction: An Approach to Cognitive Engineering* (North Holland, New York).
- Remus, W.E. and Kottemann, J.E., 1986. Toward intelligent decision support systems: an artificially intelligent statistician. *MIS Quarterly*. 10(4): 403-418.
- Richter, M.M., 1988. AI-concepts and OR-tools in advanced DSS. *Decision Support Systems*. 4: 441.
- Robey, D. and Taggart, W., 1983. Human information processing in information and decision support systems. In: *Decision Support Systems* ed., W.C. House (Petrocelli, New York) pp. 271-290.
- Rouse, W.B., 1986. On the value of information in system design: a framework for understanding and aiding designers. *Information Processing & Management*. 22(3): 217-228.
- Roy, A., Lasdon, L.S. and Lordeman, J., 1986. Extending planning languages to include optimization capabilities. *Management Science*. 32(3): 360-373.
- Sage, A.P. and Rouse, W.B., 1986. Aiding the human decisionmaker through the knowledge-based sciences. *IEEE Transactions on Systems, Man, and Cybernetics*. SMC-16(4):511-521.
- Saxena, K.B.C. and Kaul, M., 1986. A conceptual architecture for DSS generators. *Information & Management*. 10(3): 149-157.
- Schussel, G., 1986. DBMS and 4GL technology: pressing questions - and answers. *Journal of Information Systems Management*. 3(4): 82-87.
- Schwenk, C.R., 1984. Effects of planning aids and presentation media on performance and affective responses in strategic decision making. *Management Science*. 30(3): 263-272.
- Schwenk, C.R. and Thomas, H., 1983. Effects of conflicting analyses on managerial decision making: a laboratory experiment. *Decision Sciences*. 14(4): 467-482.
- Scott Morton, M.S., 1974. Decision support systems: some lessons from an on-going applications. In: *Information Processing 74 (The Proceedings of the IFIP Congress)* ed. J.L. Rosenfeld (North-Holland, New York).
- Seagle, J.P., and Belardo, S., 1986. The feature chart: a tool for communicating the analysis for a decision support system. *Information & Management*. 10(1): 1119.
- Sepeshri, M., 1987. Management through data bases - better information, not more information. *Industrial Management*. 29(1): 7-11.
- Shaw, M.J., Tu, P.L. and De, P., 1988. Applying machine learning to model management in decision support systems. *Decision Support Systems*. 4: 285.
- Shore, B. and Wharton, T.J., 1986. Analysis of microcomputer DSS projects. *Journal of Systems Management*. 37(6): 25-31.
- Sprague, R.H., 1980. A framework for the development of decision support systems. *Management Information Sciences Quarterly*. 4: 1-26. (Reprinted in *Decision Support Systems*, 1989.)
- Sprague, R.H., 1983. A framework for the development of decision support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 85-124.
- Sprague, R.H. and Watson, H.J., 1983. Bit-by-bit: toward decision support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 15-32.
- Stabell, C.B., 1974. On the development of decision support systems on a marketing problem. In: *Information Processing 74 (The Proceedings of the HU Congress)* ed. J.L. Rosenfeld (North-Holland, New York).
- Stabell, C.B., 1983. A decision-oriented approach to building DSS. In: *Building Decision Support Systems* ed. J.L. Bennett (Addison-Wesley, Reading).

- Sturridge, H., 1987. Modelling on screen. *Marketing*. 28(11): 47-49.
- Taylor, J. and Taylor, W., 1987. Searching for solutions. *PC Magazine*. 6: 311-377.
- Thomas, H. and Samson, D., 1986. Subjective aspects of the use of decision analysis: the role of decision analysis in decision structuring, decision support and policy dialogue. *Journal of the Operational Research Society*. 37: 249-265.
- Turban, E. and Watkins, P.R., 1986. Integrating expert systems and decision support systems. *MIS Quarterly*. 10(2): 121-136.
- Turban, E. and Watkins, P.R., 1986. Integrating expert systems and decision support systems. In: *Decision Support Systems: Putting Theory into Praxis* eds. R. Sprague and H.J. Watson (Prentice Hall, Englewood Cliffs) pp. 138-152.
- Van der Hoek, G. and Donselaar, W., 1988. A case study of DSS in a non-linear world. *Decision Support Systems*. 4: 491.
- Van Hee, K.M. and Lapinski, A., 1988. OR and AI approaches to decision support systems. *Decision Support Systems*. 4: 447.
- Vazsonyi, A., 1978. Decision support systems: the new technology of decision making? *Interfaces*. 9: 74-8.
- Vazsonyi, A., 1982. Decision support systems, computer literacy, and electronic models. *Interfaces*. 12: 74-8.
- Vogel, D.R., Nunamaker, J.R., Applegate, L.M., and Konsynski, B.R., 1987. Group decision support systems: determinants of success. *DSS-87 Transactions*.
- Wagner, G.R., 1983. Optimizing decision support systems. In: *Decision Support Systems* ed. W.C. House (Petrocelli, New York) pp. 421-432.
- Watson, M.J. and NMI, M.M., 1983. Decision support systems: or what didn't happen to M.I.S. *Interfaces*. 13(5): 81-88.
- Whitehouse, B., 1987. Casting a wiser net. *Datamation*. 60(11-12). (International Edition, 33(9).)
- Whyte, R.G., 1986. What is a decision support system? *Industrial Management & Data Systems*. pp. 28-30.
- Will, H.J., 1975. Model management systems. In: *Information Systems Structure and Organizations* ed. E. Grochla and N. Syperski (Walter de Gruyter, Berlin).
- Yoo, S. and Digman, L.A., 1987. Decision support system: a new tool for strategic management. *Long Range Planning*. 20(2): 114-124.
- Zachary, W.W., 1988. Decision support systems: designing to extend the cognitive limits on the user decision processes. In: *Handbook of Human-Computer Interaction* ed. M. Helander (Elsevier, Amsterdam).
- Zinkhan, G.M., Joachimsthaler, E.A. and Kinnear, T.C., 1987. Individual differences and marketing decision support system usage and satisfaction. *Journal of Marketing Research*. 24(2): 208-214.

BOOKS

- Alter, S.L., 1980.. *Decision Support Systems: Current Practice and Continuing Challenges* (Addison-Wesley, Reading). ISBN 0-201-00193-4, HD 30.23.A44
- Bennett, J.L., ed., 1983.. *Building Decision Support Systems* (Addison-Wesley, Reading).
- Bonczek, R.H., Holsapple, C.W. and Whinston A.B., 198 L. *Foundations of Decision Support Systems* (Academic Press, New York). HF.5548.2.H594
- Ginzberg, M.J., Reitman, W., and Stohr, E.A., eds., 1982.. *Decision Support Systems* (North-Holland, New York). ISBN 0-444-86472-5, T.57.95.N28
- House, W.C., ed., 1983.. *Decision Support Systems* (Petrocelli, New York). ISBN 089433-225-2, T.58.6.D433

- Keen, P.G.W. and Scott Morton, M., 1978. Decision Support Systems: An Organizational Perspective (Addison-Wesley, New York). ISBN 0-201-03667-3, HD.30.23.K35
- Mittra, S.S., (1986. Decision Support Systems: Tools and Techniques (Wiley, New York).
- Newton, P.W., Taylor, M.A.P. and Sharpe, R., 1988. Desktop Planning (Hargreen, Melbourne). ISBN 0-949905-38-0, QA.76.5.D43
- Sprague, R.H. and Carlson, E.D., 1982.. Building Effective Decision Support Systems (Prentice-Hall, Englewood Cliffs). ISBN 0-13-086215-0, HD.30.23.S7
- Sprague, R.H. and Watson, H.J., 1986. Decision Support Systems: Putting Theory into Practice (Prentice Hall, Englewood Cliffs). HD30.23.D43
- Thierauf, R.J., 1982.. Decision Support Systems for Effective Planning and Control: A Case Study Approach (Prentice-Hall, Englewood Cliffs). HD.30.23.T45
- Thompson, C.E., 1985.. Decision Support Systems: A Bibliography, 1980-1984 (Vance, Monticello). ISSN 0193-970x, Z7164.A2.P7

JOURNALS

Decision Support Systems (Elsevier, Amsterdam). Per Hd30.23.D42

DISSERTATIONS (1985-PRESENT)

Note: These references were downloaded from a UMI CD-ROM database (hence, the upper case format), and have been considerably shortened. Dissertations preceded by an asterisk (*) are noted as spatially-oriented.

- Abbasi, Nishat Ulhasan, IMPLEMENTATION OF DECISION SUPPORT SYSTEMS: A MODEL AND AN INVESTIGATION, UNIVERSITY OF COLORADO AT BOULDER, Ph.D. 1987, pp: 323.
- AI-Taher, Abdulla Ahmed, IRRIGATION EFFICIENCY AND PRODUCTION ENERGY EFFICIENCY OF TRADITIONAL AND MODERN FARMS IN THE AL-HASSA OASIS, SAUDI ARABIA, THE UNIVERSITY OF OKLAHOMA, Ph.D. 1987, pp: 283.
- Barld, Henri, A CONTINGENCY MODEL OF DSS SUCCESS: AN EMPIRICAL INVESTIGATION, THE UNIVERSITY OF WESTERN ONTARIO (CANADA), Ph.D. 1984.
- Basu, Amit, IMPRECISE REASONING IN INTELLIGENT DECISION SUPPORT SYSTEMS, THE UNIVERSITY OF ROCHESTER, Ph.D. 1986, pp: 180.
- Bock, Frederick Maximillian, IV, DECISION-ORIENTED STRATEGIC PLANNING FOR INFORMATION SYSTEMS: APPLYING CONCEPTUAL MODELS OF CRISIS DECISION-MAKING TO STRATEGIC PLANNING FOR CRISIS MANAGEMENT DECISION SUPPORT SYSTEMS, THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1987, pp: 348.
- Bu-Hulaiga, Mohammed Ishan Ali, MODEL-MANIPULATION IN DECISION SUPPORT SYSTEMS: A PLAN-BASED APPROACH THE UNIVERSITY OF WISCONSIN - MILWAUKEE, Ph.D. 1987, pp: 354.
- Buffington, James Ray, THE INTACT OF SUBCULTURES ON DECISION SUPPORT SYSTEM USAGE (ORGANIZATION CULTURE, MANAGEMENT INFORMATION SYSTEMS, Q-SORT METHODOLOGY), THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1986, pp: 245.
- Bui, Tung Xuan, CO-OP: A DECISION SUPPORT SYSTEM FOR COOPERATIVE MULTIPLE CRITERIA GROUP DECISION-MAKING, NEW YORK UNIVERSITY, GRADUATE SCHOOL OF BUSINESS ADMINISTRATION, Ph.D. 1986, pp: 258.
- Chen, Michael Chien-Kuo, ON THE USE AND INTERNAL STRUCTURE OF LOGICBASED DECISION SUPPORT SYSTEMS (EXPERT INFORMATION DATABASES), NORTHWESTERN UNIVERSITY, Ph.D. 1984 pp: 143.
- Chien, I-Shien, RESTRUCTURING AND COMPUTER SUPPORT IN MULTIPLE CRITERIA DECISION-MAKING, UNIVERSITY OF KANSAS, Ph.D. 1987, pp: 195.

- Chin, Louis, APPLICATION OF OPERATIONS MANAGEMENT TECHNIQUES TO NATURAL GAS DISPATCHING (LINEAR, PROGRAMMING, MATERIAL, REQUIREMENTS, PLANNING), BOSTON UNIVERSITY, DBA 1986, pp: 233.
- Christensen, Gunnar Einar, SUCCESSFUL IMPLEMENTATION OF DECISION SUPPORT SYSTEMS: AN EMPIRICAL INVESTIGATION OF USAGE INTENTIONS AND BEHAVIOR (NORWAY), UNIVERSITY OF CALIFORNIA, LOS ANGELES, Ph.D. 1987, pp: 317.
- Chu, Po-Young, ROBUST INTERACTIVE DECISION-ANALYSIS (RID. PURDUE UNIVERSITY, Ph.D. 1987, pp: 132.
- *Davis, Craig Jefferson, PLANNING TIMBER HARVEST ACTIVITIES WITH GEOGRAPHIC INFORMATION DECISION-SUPPORT SYSTEMS, PURDUE UNIVERSITY, Ph.D. 1987, pp: 265.
- Dehaerner, Michael Joseph, INTERACTION OF COMPUTER SYNTHESIZED VOICE WITH DECISION STYLE IN DECISION SUPPORT SYSTEMS, RENSSELAER POLYTECHNIC INSTITUTE, Ph.D. 1987, pp: 233.
- *Densham, Paul, DECISION SUPPORT FOR SETTLEMENT REORGANIZATION, UNIVERSITY OF IOWA, Ph.D., 1990, pp: 312.
- *Djunaedi, Achmad, THE DEVELOPMENT OF A MICROCOMPUTER-BASED COMPREHENSIVE URBAN PLANNING DECISION SUPPORT SYSTEM (DSS, COMPREHENSIVE, PROCESS), TEXAS A&M UNIVERSITY, Ph.D. 1986, pp: 263.
- Du, Chengguim, RISK ASSESSMENT AND DECISION ANALYSIS IN GROUNDWATER CONTAMINATION, CASE WESTERN RESERVE UNIVERSITY, Ph.D. 1988, pp: 237.
- Dunikoski, Robert Henry, ALTERNATIVE REPORT FORMAT EFFECTS OF A DECISION SUPPORT SYSTEM (MANAGEMENT, INFORMATION, COMPUTER), TEXAS TECH UNIVERSITY, DBA 1984, pp: 116.
- Fam, Cheng-Kiang, AN E-47MGRATED INFORMATION SYSTEM ARCHITECTURE BASED ON STRUCTURED MODELING (DECISION SUPPORT, MANAGEMENT), UNIVERSITY OF CALIFORNIA, LOS ANGELES, Ph.D. 1985, pp: 261.
- Finnie, Gavin Ross, USING MANAGEMENT DECISION SUPPORT SYSTEMS: AN EXPERIMENTAL INVESTIGATION OF THE ROLE OF ATTITUDE, LOCUS-OF-CONTROL AND NONPROCEDURAL DESIGN, UNIVERSITY OF SOUTH AFRICA (SOUTH AFRICA), DBL 1986.
- Gallupe, Ronald Brent, THE IMPACT OF TASK DIFFICULTY ON THE USE OF A GROUP DECISION SUPPORT SYSTEM, UNIVERSITY OF MINNESOTA, Ph.D. 1985, pp: 280.
- Goul, Kenneth Nfichael, THE INCLUSION OF EXPERTISE IN A DECISION SUPPORT SYSTEM FOR STRATEGIC DECISION MAKING (PLANNING, KNOWLEDGE BASED, RECOGNITION CHANNELING), OREGON STATE UNIVERSITY, Ph.D. 1985, pp: 236.
- Green HaU, Nancy Chapman, USING A FUZZY EXPERT SYSTEM FOR DECISION SUPPORT OF THE STRATEGIC PLANNING PROCESS, GEORGIA STATE UNIVERSITY - COLLEGE OF BUSINESS ADMINISTRATION, Ph.D. 1985, pp: 179.
- Grier, James Thomas, A PROCEDURAL MODEL IN A KNOWLEDGE SYSTEM OF A GENERALIZED INTELLIGENT DECISION SUPPORT SYSTEM WHICH EMPLOYS PSYCHOLOGICAL AND BIOLOGICAL CHARACTERISTICS, TEE UNION FOR EXPERIMENTING COLLEGES AND UNIVERSITIES, Ph.D. 1986, pp: 76.
- Hill, Marianne Momcilovich, THE RELATIONSHIP BETWEEN USER INVOLVEMENT AND DECISION SUPPORT SYSTEM SUCCESS, UNIVERSITY OF GEORGIA, Ph.D. 1987, pp: 165.
- Horsey, Henry Ridgely, COMPUTER DECISION SUPPORT FOR WATER SUPPLY DEVELOPMENT (SIMULATION, PLANNING, HYDRAULICS, OPEN CHANNEL, RESERVOIR, COLORADO), COLORADO STATE UNIVERSITY, Ph.D. 1986, pp: 339.

- Hsu, Wen-Ling Wendy, A PROGRAMMING LANGUAGE SYSTEM FOR DECISION SUPPORT SYSTEMS (MODEL MANAGEMENT, FUNCTIONAL PROGRAMMING, OBJECT-ORIENTED PROGRAMMING), PURDUE UNIVERSITY, Ph.D. 1986, pp: 144.
- *Hwang, Kuo-Ping, APPLYING HEURISTIC TRAFFIC ASSIGNMENT IN NATURAL DISASTER EVACUATION - A DECISION SUPPORT SYSTEM (EVACUATION), VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, Ph.D. 1986, pp: 201.
- Isett, John Barton, DECISION SUPPORT SYSTEM DESIGN FOR CRISIS DECISIONMAKING: AN EXPERIMENT IN AUTOMATED SUPPORT FOR CRISIS MANAGEMENT (MILITARY), THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1987, pp: 354.
- Jacob, Varghese Saji, A MODEL OF DECISION-MAKING FOR THE INTEGRATED HUMAN-COMPUTER INFORMATION PROCESSOR (MAN-MACHINE), PURDUE UNIVERSITY, Ph.D. 1986, pp: 130.
- *Jankowski, P., KNOWLEDGE-BASED STRUCTURED MODELING: AN APPLICATION TO STREAM WATER QUALITY MANAGEMENT, UNIVERSITY OF WASHINGTON, Ph.D. 1989.
- Jelassi, Mohamed Tawfik, AN EXTENDED RELATIONAL DATABASE FOR GENERALIZED MULTIPLE CRITERIA DECISION SUPPORT SYSTEMS (DECISION-MAKING, QUERY LANGUAGES), NEW YORK UNIVERSITY, GRADUATE SCHOOL OF BUSINESS ADMINISTRATION, Ph.D. 1986, pp: 236.
- Kim, Chung Sook, A FORMAL STRUCTURE FOR THE EVALUATION OF DECISION SUPPORT SYSTEM GENERATORS (DSSG): THE SYSTEMS APPROACH, TEXAS TECH UNIVERSITY, Ph.D. 1987, pp: 197.
- Kim, Jongdae, DEVELOPMENT OF A DECISION SUPPORT SYSTEMS GENERATOR FOR ILL-STRUCTURED MULTIPLE CRITERIA DECISION PROBLEMS THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1987, pp: 190.
- Kim, Sang-Ook, A METHODOLOGY FOR STRUCTURED MODELING ON THE MASIC DECISION SUPPORT SYSTEM GENERATOR, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1987, pp: 209.
- Krishnan, Ramayya, KNOWLEDGE-BASED AIDS FOR MODEL CONSTRUCTION, THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1987, pp: 246.
- Kwikkers, Robert, MODELS OF FORECAST UNCERTAINTY AND FLEXIBILITY INVENTORY IN REQUIREMENTS PLANNING SYSTEMS, THE UNIVERSITY OF MICHIGAN, Ph.D. 1987, pp: 293.
- Lancaster, Lilly Marlene, ALGORITHMIC INTERFACE WITH COMPUTER GRAPHICS FOR A DECISION-SUPPORT SYSTEM, UNIVERSITY OF MASSACHUSETTS, Ph.D. 1987, pp: 152.
- Lee, Jae Kyu, SOLVING SEMI-STRUCTURED PROBLEMS AND THE DESIGN OF DECISION SUPPORT SYSTEMS: POST-MODEL ANALYSIS APPROACH (MULTIPLE CRITERIA DECISION-MAKING, QUALITATIVE FACTORS), UNIVERSITY OF PENNSYLVANIA, Ph.D. 1985, pp: 339.
- Lee, Jong Nfin, THREE-DIMENSIONAL DATA REPRESENTATIONS AND THEIR UTILITY FOR MANAGERIAL DECISION-MAKING (MANAGEMENT INFORMATION SYSTEM (MIS), 3-D GRAPHICS, ANAGLYPH, POLAROID METHOD), RENSSELAER POLYTECHNIC INSTITUTE, Ph.D. 1985, pp: 278.
- Lee, Seung Ho, DESIGN AND IMPLEMENTATION OF A GOAL-PROGRAMMING IMBEDDED DSS FOR MULTIPLE OBJECTIVE DECISION-MAKING, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1987, pp: 229.
- Liang, Ting-Peng, TOWARD THE DEVELOPMENT OF A KNOWLEDGE-BASED MODEL MANAGEMENT SYSTEM, UNIVERSITY OF PENNSYLVANIA, Ph.D. 1986, pp: 223.
- *Lin, Chien-Yuan, DEVELOPMENT OF AN INTELLIGENT DECISION-SUPPORT SYSTEM FOR SOLVING CENTRAL FACILITY LOCATION PROBLEMS, UNIVERSITY OF WASHINGTON, Ph.D. 1987.

- Lopez-Fiallos, Elman, DECISION SUPPORT SYSTEMS: DIFFERENT APPROACHES (COMPUTER APPLICATION), UNIVERSITY OF LOUISVILLE, MS 1987, pp: 109.
- Loy, Stephen Leroy, AN EXPERIMENTAL INVESTIGATION OF A GRAPHICAL PROBLEM-STRUCTURING AID AND NOMINAL GROUP TECHNIQUE FOR GROUP DECISION SUPPORT SYSTEMS (GDSS), TEXAS STATE UNIVERSITY.
- Martin, Merle Phillip, DESIGNING DECISION SUPPORT SYSTEMS FOR A BROAD RANGE OF USER EXPERIENCE (HUMAN FACTORS), TEXAS A&M UNIVERSITY, Ph.D. 1984, pp: 140.
- Mccartt, Anne Taylor, THE EFFECTS OF DECISION CONFERENCES ON THE PROCESSES AND OUTCOMES OF GROUP DECISION-MAKING, STATE UNIVERSITY OF NEW YORK AT ALBANY, DPA 1988, pp: 229.
- Mead, Melissa Jane, CREATIVITY BY DESIGN: CREATIVITY ENHANCING DESIGN PRINCIPLES FOR DECISION SUPPORT SYSTEMS, THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1985, pp: 169.
- *Nichols, Stephen G., DECISION SUPPORT SYSTEMS FOR FACILITY LOCATION DECISIONS IN DEVELOPING COUNTRIES, UNIVERSITY OF IOWA, Ph.D. 1989, pp:227.
- Octavio, Kathleen Hurley, DECISION SUPPORT FRAMEWORK FOR OIL SPILL RESPONSE, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Ph.D. 1986.
- Padman, Rema, AN OPTIMIZATION BASED INTELLIGENT DECISION SUPPORT SYSTEM FOR LOGISTICS PLANNING (NETWORK MODELING), THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1986, pp: 298.
- Pan, Shuhshen James, AN EQUATIONAL APPROACH TO DECISION SUPPORT SYSTEMS (KNOWLEDGE, PROBLEM-PROCESSING, LANGUAGE, TEMPORAL SEMANTICS), PURDUE UNIVERSITY, Ph.D. 1986, pp: 179.
- Parameswaran, Jagadeeswaran, VOICE INPUT FOR DECISION SUPPORT SYSTEMS: THE USE OF MULTIPLE DISCRIMINANT ANALYSIS FOR WORD RECOGNITION, TEXAS TECH UNIVERSITY, DBA 1987, pp: 12 1.
- Park, Jae Kuen, A COMPARISON OF REASONING METHODS 'A= UNCERTAINTY FOR EXPERT DECISION SUPPORT SYSTEM, FLORIDA INSTITUTE OF TECHNOLOGY, Ph.D. 1987, pp: 190.
- Park, Seung Yil, A GENERALIZED INTELLIGENT PROBLEM SOLVING SYSTEM BASED ON A RELATIONAL MODEL FOR KNOWLEDGE REPRESENTATION (SUPPORT SYSTEMS, EXPERT, DECISION AIDS), THE UNIVERSITY OF ARIZONA, Ph.D. 1986, pp: 25 1.
- Pick, Roger Alan, FRAMEWORKS AND FORMALISMS FOR DECISION SUPPORT AND ORGANIZATIONAL MODELING (PROBLEM-SOLVING, INFORMATION PROCESSING, PLANNING), PURDUE UNIVERSITY, Ph.D. 1984, pp: 213.
- Pracht, William Everett, AN EXPERIMENTAL INVESTIGATION OF A GRAPHICAL INTERACTIVE PROBLEM STRUCTURING AID FOR DECISION SUPPORT SYSTEMS (KNOWLEDGE BASE), TEXAS TECH UNIVERSITY, DBA 1984, pp:185.
- Raghavan, Sridhar Aravamudha, A DECISION SUPPORT SYSTEM BASED ON GENERIC SUPPORT CONCEPTS AND THEIR APPLICATION TO DECISION-MAKING PROCESS, GEORGIA STATE UNIVERSITY COLLEGE OF BUSINESS ADMINISTRATION, Ph.D. 1984, pp: 418.
- Reuber, Allison Rebecca, THE CONCEPTUAL MODELLING OF A DECISION SUPPORT SYSTEM GENERATOR FOR QUALITATIVE ORGANIZATIONAL INFORMATION, QUEEN'S UNIVERSITY AT KINGSTON (CANADA), Ph.D. 1986.
- Ruble, Michael Ray, AN EMPIRICAL TEST OF A DECISION SUPPORT SYSTEM IN A GROUP DECISION-MAKING ENVIRONMENT, ARIZONA STATE UNIVERSITY, DBA 1984, pp: 130.
- Schuldt, Barbara Ann, COMPARING DECISION SUPPORT SYSTEM STRUCTURE TO DECISION-MAKING EFFECTIVENESS: A FIELD EXPERIMENT IN THE NEBRASKA STATE PATROL'S INVESTIGATIVE SERVICES DIVISION (MANAGEMENT INFORMATION SYSTEM, LAW ENFORCEMENT AGENCIES, CRIMINAL JUSTICE), THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1986, pp: 240.

- Silver, Mark Steven, DIFFERENTIAL ANALYSIS FOR COMPUTER-BASED DECISION SUPPORT (MANAGEMENT INFORMATION SYSTEMS), UNIVERSITY OF PENNSYLVANIA, Ph.D. 1986, pp: 482.
- Suh, Eui-Ho, A RELATIONAL FRAMEWORK FOR INTERACTION BASE MANAGEMENT IN A THREE COMPONENT DECISION SUPPORT SYSTEM, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Ph.D. 1987, pp: 112.
- Tang, Hung-Lian, GRASPERS - A GRAPHICS DECISION SUPPORT SYSTEM: ITS DEVELOPMENT AND APPLICATIONS, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1986, pp: 292.
- Thomson, Nancy Susan, ORGANIZATIONAL CULTURE, DECISION SUPPORT SYSTEMS, AND USER CHARACTERISTICS, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1987, pp: 238.
- Togo, Dennis Fumio, THE MATCHING OF DECISION SUPPORT SYSTEMS TO TASKS AND ITS EFFECT ON DECISION-MAKING, ARIZONA STATE UNIVERSITY, Ph.D. 1986, pp: 121.
- Tran, I-lien Van, AN ASSESSMENT OF DECISION SUPPORT SYSTEMS DESIGN STRATEGIES, UNIVERSITY OF HOUSTON, Ph.D. 1986, pp: 195.
- Tsai, Yu-Tueng, UTILIZING GRAPHICS TO AID PROBLEM STRUCTURING AND ANALYSIS IN DECISION SUPPORT SYSTEMS, THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1987, pp: 199.
- Van Dissel, Bart Jan, MANAGING STRATEGIC DECISION PROCESSES: THE EFFECTS OF EVALUATIONS OF INTERDEPENDENCE ON INDIVIDUAL DECISION-MAKING IN ORGANIZATIONS, DUKE UNIVERSITY, Ph.D. 1986, pp: 369.
- *Warkentin, Merrill Eugene, GEOGRAPHICALLY-REFERENCED INFORMATION FOR DECISION SUPPORT (GRIDS): A STUDY OF SPATIAL DECISION ENVIRONMENTS, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1987, pp:271.
- Wenig, Robert Gregory, TBE EFFECT CONCEPT ACQUISITION TECHNIQUES HAVE ON THE IDENTIFICATION AND STRUCTURING OF ILLSTRUCTURED PROBLEMS (DSS, CAI), THE OHIO STATE UNIVERSITY, Ph.D. 1987, pp: 248.
- Widmeyer, George Robert, III, PREFERENCE DIRECTED REASONING IN DECISION SUPPORT SYSTEMS (MULTIPLE CRITERIA), THE UNIVERSITY OF TEXAS AT AUSTIN, Ph.D. 1986, pp: 150.
- Valusek, John Robert, INFORMATION REQUIREMENTS DETERMINATION: AN EMPIRICAL INVESTIGATION OF OBSTACLES WITHIN AN INDIVIDUAL (COGNITIVE, DSS, HEURISTICS, SYSTEMS, MEMORY), THE UNIVERSITY OF WISCONSIN - MADISON, Ph.D. 1985, pp: 203.
- Vazzana, Gary Steven, THE MEDIATING EFFECT OF INNOVATIVE CULTURE ON THE RELATIONSHIP BETWEEN ORGANIZATIONAL STRUCTURE AND INFORMATION-PROCESSING TECHNOLOGY, UNIVERSITY OF MISSOURI - COLUMBIA, Ph.D. 1987, pp: 193.
- Yen, Chi-Chung David, DESIGN OF A DECISION SUPPORT SYSTEM USING EXPERT SYSTEM TECHNIQUES (ANALYSIS AND DEVELOPMENT, LIFE CYCLE, ARTIFICIAL INTELLIGENCE, DESIGN), THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1985, pp: 324.
- Yu, Yung-Mok, A GOAL PROGRAMMING IMBEDDED DECISION SUPPORT SYSTEM FOR ENERGY CONSERVATION MANAGEMENT, THE UNIVERSITY OF NEBRASKA - LINCOLN, Ph.D. 1986, pp: 162.