

**Joel D. Stutz**

Office Phone: 305-284-6294

**Current Academic Rank:** Professor  
**Primary Department:** Dept. of Computer Information Systems  
**Secondary or Joint Appointments:** None  
**Citizenship:** USA

**HIGHER EDUCATION**

**Institutional:**

Ph.D., Interdisciplinary across the areas of Business Administration, Computer Sciences, and Mathematics; The University of Texas at Austin, 1971.

B.A., Mathematics; Pennsylvania State University, 1963.

**EXPERIENCE**

**Academic:**

June 1988-Present	Professor and Chairman, Department of Computer Information Systems, University of Miami.
June 1983-May 1988	Professor and Chairman, Department of Management Science and Computer Information Systems, University of Miami.
May 1982-May 1983	Associate Professor and Chairman, Department of Management Science and Computer Information Systems, University of Miami.
1980-May 1982	Associate Professor of Management Science and Computer Information Systems, University of Miami.
1976-1980	Associate Professor of Operations Research, Statistics, and Computer Sciences, The University of Texas at Austin.
1971-1976	Assistant Professor of Operations Research, Statistics, and Computer Sciences, The University of Texas at Austin.
1970-1971	Assistant Instructor of Statistics, The University of Texas at Austin.
1968-1969	Teaching Assistant in Computer Sciences, The University of Texas at Austin.

**Non-Academic:**

Consultant to a Clinical Pathology Laboratory, with J. Thorne and D. Klingman. We conducted a systems analysis of the data collection and reporting procedures, including test summary reports, accounts receivable, billing payroll, inventory, etc. As a result of this analysis, we configured and purchased a computer system and developed and implemented software to accomplish the above tasks using an online, real time, conversational mode of operation.

Consultant to UNIVAC for the development of large scale network mathematical programming systems.

Consultant to the Office of Civilian Manpower Management in the area of manpower planning models and computer codes.

Systems analyst for the Linguistics Research Center, The University of Texas, in the area of computational linguistics -- specifically design and implementation of computer programs for machine translation.

Consultant to the Center of Cybernetic Studies on network problems.

Consultant to Ralston Purina for the development and solution of large scale network problems.

Conducted an evaluation of Computer Data and Telecommunications Network Management for Southland Corporation, Dallas, Texas with Eugene Rathswohl. This project resulted in a 75 page report on the description, critical issues, and reporting procedures for network management. In addition, the project opened the way for future collaborative activities for both students and faculty between the College of Business Administration and Southland Corporation. Several possible collaborative projects are proposed in the report.

Contract consultant to the U.S. Treasury Department on efficient methods for the solution of very large Microdata File Merge Problems. One of the problems required the solution of a system of equations with fifty thousand equations and sixty-two million variables.

Consultant to Market Research Corporation of America (MRCA), the nation's foremost authority on consumer market behavior. Project director for a comprehensive analysis and evaluation of their data processing system. The resultant report presented many recommendations for improvements in the areas of personnel, hardware, software and procedures.

Consultant to the Institute for Constructive Capitalism on the acquisition and implementation of a statistically representative small business data base of U.S. corporations.

Systems Analyst for the Center for Cybernetic Studies on the implementation of computer packages for task management evaluation.

Consultant to Analysis, Research and Computation, Inc. on various projects involving hardware evaluation and selection, and software design.

Consultant to the Center for Cybernetic Studies and the Naval Office of Civilian Manpower Planning on the design and implementation of an on-line computerized modeling system for manpower planning.

Consultant to the Center for Cybernetic Studies on planning models for the American Association of Nurse Anesthetists.

Consultant to the Department of the Navy Civilian Personnel Department on the validation of computer codes used as evidence in a class action suit.

Consultant to the United States Army Recruitment Command (USAREC) on the development and implementation of rapid response algorithms for optimizing the utilization of human resources in flight crews.

Consultant to the Center for Cybernetic Studies on efficient implementation of a matrix generator and report writer for Air Force crew scheduling, and conduct a review of data structures and file manipulation procedures.

Consultant to the Naval Air Rework Facility in Jacksonville, Florida, 1983; concerned computerized analysis for a class action suit.

Consulting research investigator, Center for Cybernetic Studies, The University of Texas.

Consultant to State Farm Fire and Casualty Company. Conducted an investigation of an insured's claim regarding whether a computer virus was introduced into their computer system. This virus was alleged to have corrupted their software thus causing substantial loss of revenue. (1990)

Consultant on software copyright infringement case.

Consulting research investigator on a Department of the Army contract for the Forecasting and Allocation of Army Recruiting Resources Study (FAARRS).

Consultant to Josef Silny & Associates. Evaluate and prepare experiential evaluations for immigration purposes. (1989 - present)

## **PUBLICATIONS**

### **Juried or Refereed Journal Articles and Exhibitions:**

"NETGEN-A Program for Generating Large Scale (un)Capacitated Assignment, Transportation, and Minimum Cost Flow Network Problems," with D. Klingman and Al Napier. Management Science 20, 5 (January, 1974), 814-821.

"Extensions of the Augmented Predecessor Index Method to Generalized Network Problems," with F. Glover and D. Klingman. Transportation Science 7, 4 (January, 1974), 377-384.

"The Disjunctive Facet Problem: Formulation and Solution Techniques," with F. Glover and D. Klingman. Operations Research 22, 3 (May-June, 1974), 582-602.

"On Generation of Test Problems for Linear Programming Codes," with A. Charnes, W. Raike and A. Walters. Communications of the Association for Computing Machinery 17, 10 (October, 1974), 583-586.

"Augmented Threaded Index Method for Network Optimization," with F. Glover and D. Klingman. Canadian Journal of Operational Research and Information Processing 12, 3 (October, 1974), 293-298.

"V-Positivity, Poverses, and the Economic Global Unicity Theorems of Gale and Nikaido," with A. Charnes and W. Raike. Zeitschrift fur Operations Research, Band 19 (1975), 115-121.

"Past, Present, and Future of Development, Computational Comparison, and Use of Large Scale Transportation and Transshipment Computer Codes," with A. Charnes, F. Glover, D. Karney, and D. Klingman. Computers and Operations Research 2, 2 (1975), 53-66.

"Generalized Networks: A Fundamental Computer-Based Planning Tool," with F. Glover, J. Hultz, and D. Klingman. Management Science 20, 12 (August, 1978), 1209-1220 (Lead Article).

"The Effects of Computer Assisted Instruction Upon Computer Facility and Instructor Ratings," with A. Rushinek and S. Rushinek. Journal of Computer-Based Instruction 8, 2 (November, 1981), 43-46.

"Improving Instructor Evaluations by the Use of Computer- Assisted Instruction in Business Data Processing," with A. Rushinek and S. Rushinek. AEDS Journal 15, 3 (Spring, 1982), 151-163.

"A Multiplicative Model for Efficiency Analysis," with A. Charnes, W.W. Cooper and L. Seiford. Journal of Socio-Economic Planning Sciences 16, 5 (1982), 223-224.

"Systems Quality Control Through Measuring Users' Attitudes for Acquisition, Implementation, Maintenance and Modification Decisions: An Empirical Analysis of Management by Exception," with A. Rushinek and S. Rushinek. The Journal of Data Education 23, 3 (Spring, 1983), 16-19.

"Development and Testing of a Discriminant Model for Measuring Changes in Instructor Evaluations Due to Using Computer-Assisted Instruction," with A. Rushinek and S. Rushinek. The Journal of Computers in Mathematics and Science Teaching 2, 4 (Summer, 1983) 17-25.

"Invariant Multiplicative Efficiency and Piecewise Cobb-Douglas Envelopments," with A. Charnes, W.W., Cooper and L. Seiford. Operation Research Letters 2, 3 (August, 1983), 101-103.

"An Empirical Analysis of the Computerization of Interactive Software Evaluation Systems," with A. Rushinek and S. Rushinek. Information and Management 6, 5 (October, 1983), 281-287.

"Computer Assisted Instruction (CAI) Attributes, Distribution Parameters and Confidence Intervals: An Empirical Investigation Promoting Quality Control," with A. Rushinek and S. Rushinek. The Journal of Data Education 24, 1 (Fall, 1983), 5-9.

"Forecasting Interactive System Modification Used for Software Maintenance: An Empirical Investigation of User-Computer Interaction," with A. Rushinek and S. Rushinek. Journal of Educational Technology Systems 12, 1 (1983-84), 15-37.

"A Methodology for Interactive Evaluation of User Reactions to Software Packages: An Empirical Analysis of System Performance, Interaction and Run Time," with A. Rushinek and S. Rushinek. International Journal of Man-Machine Studies, Volume 20 (1984), 169-188.

"Relationship of Computer Users' Performance to Their Attitudes Toward Interactive Software," with A. Rushinek and S. Rushinek. Journal of Educational Technology Systems 13, 4 (Spring 1985), 255-264.

"The Learning Curve: Computer Assisted Instruction and Programming," with A. Rushinek and S. Rushinek. Journal of Educational Computing Research 1, 2 (Spring, 1985), 34-51.

"Foundations of Data Envelopment Analysis for Pareto-Koopmans Efficient Empirical Production Functions," with A. Charnes, W.W. Cooper, B. Golany and L. Seiford. Journal of Econometrics, 30, 1/2 (1985), 91-107.

"The Relationship Among EDP Instructor-Course Evaluation and the Use of Interactive Computer Assisted Instruction: An Empirical Investigation," with A. Rushinek and S. Rushinek. The Journal of Computer Information Systems 26, 1 (Fall, 1985), 17-22.

"Correlations Between Instructor, Course and CAI Tutorials," with A. Rushinek and S. Rushinek. Computers in Education, (1985), 51-55.

"Computer Assisted Instruction Performance Standards for the Design of Interactive Feedback and Control Software," with A. Rushinek and S. Rushinek. AEDS Journal, (Spring 1986).

"Academic Issues in MIS: Journals and Books," with M. Gillenson. MIS Quarterly 15, 4 (December 1991).

"Evaluating the Teaching Effectiveness of Various Data Modeling Notations," with A. Pons and P. Polak. Journal of Computer Information Systems, 46 (2), p.78 (Winter 2005-2006).

**Referred Works Accepted for Publication:**

None

**Manuscripts Under Review/Under Revision:**

None

**Books and Monographs Published:**

Algebra, Linear Algebra, and Linear Programming for the Business Student, with D. Klingman and M. Schoeman. Cybermath Press, 1974.

Business Data Processing Supplement, with J. Byars, D. Klingman, and R. Shocket. Cybermath Press, 1974.

Contemporary Business Data Processing, with R. Barr, J. Byars, D. Klingman, and R. Shocket. Cybermath Press, 1974.

Essentials of Data Processing Systems, with R. Armstrong. Tortuga Press, 1981.

Data and Telecommunications Network Management: An Evaluation, with Eugene Rathswohl. The University of Texas at Austin CBA Foundation and Southland Corporation, 1975, 75 pages.

**Book Reviews:**

None

**Other Works, Publications and Abstracts:**

Preliminary Manual for the Basic Indexing and Retrieval System: The Executive Program. (Papers of the Institute #30) Learning Systems Institute, Michigan State University, 1966, 5 pp.

Preliminary Manual for the Basic Indexing and Retrieval System: Description File Search Program, with J. Vinsonhaler and B. Wheeler. (Papers of the Institute #35) Learning Systems Institute, Michigan State University, 1966, 23 pp.

Preliminary Manual for the Basic Indexing and Retrieval System: Information File Retrieval Program, with J. Vinsonhaler and B. Wheeler. (Papers of the Institute #36) Learning Systems Institute, Michigan State University, 1966, 4 pp.

An Integrated Approach to Education in Management Science and Mathematical Programming, with D. Klingman. Working Paper 71-32. Graduate School of Business, The University of Texas at Austin, 1970, 30 pp.

Convex Programming and Decomposition of Discrete Frequency Spectra, with A. Charnes, L. Cruz-Abad, E. Houston, F. Muniz, W. Raiké, and D. Klingman. (Research Report #55) Center for Cybernetic Studies, The University of Texas at Austin, 1971, 20 pp.

In Vitro Behavior of Lymphocytes from Patients with Chronic Lymphocytic Leukemia, with A. Charnes, L. Cruz-Abad, E. Houston, W. Levin, F. Muniz, and D. Klingman. Department of Medicine, The University of Texas Medical Branch, Galveston, and Center for Cybernetic Studies, The University of Texas at Austin, 1971, 26 pp.

Some Considerations and Models for the Distribution of a Data Base, with Joyce Elam. The University of Texas at Austin, CBA Working Paper. 1976, 30 pp.

A Multimedia Approach to Business Data Processing Instruction, with R. Armstrong. The University of Texas at Austin, CBA Working Paper. 1977, 14 pp.

A New Computer-Based Planning Tool, with F. Glover, J. Hultz, and D. Klingman. Center for Cybernetic Studies, The University of Texas at Austin, 1977, 47 pp.

Generalized Networks: A Fundamental Computer-Based Planning Tool, with F. Glover, J. Hultz, and D. Klingman. Center for Cybernetic Studies, The University of Texas at Austin, 1977, 33 pp.

Instructor's Guide to the Student Personal Retrieval System (STUPERS), with Hsifan Sheu. The University of Texas at Austin, August, 1979.

Student Guide to the Student Personal Retrieval System (STUPERS), with Hsifan Sheu. The University of Texas at Austin, August, 1979.

Pareto-Optimality, Efficiency Analysis and Empirical Production Functions, with A. Charnes, W.W. Cooper, B. Golany and L. Seiford. Research Report CCS459, Center for Cybernetic Studies, The University of Texas at Austin, May, 1983.

A Dimensionless Efficiency Measure for Departures from Pareto-Optimality, with A. Charnes, W.W. Cooper, B. Golany and L. Seiford. Research Report CCS480, Center for Cybernetic Studies, The University of Texas at Austin, February, 1984, 4 pp.

The Academic Quality of Journals for IS Research and The Academic Value of Writing Books, with Mark Gillenson. Working Paper. School of Business Administration, The University of Miami, August 1990, 16 pp.

The Required MIS Course in the MBA Program, with Mark Gillenson. Working Paper. School of Business Administration, The University of Miami, August 1990, 19 pp.

## **PROFESSIONAL**

### **Funded Research Performed:**

Texas A & M Research Foundation Contract.  
Number: L100018  
Principal Investigator: Dr. Abraham Charnes  
Consulting Investigator: Dr. Joel Stutz

Department of the Navy ONR Contract.  
Number: N0001480C0242  
Title: Dynamic Multi-Attribute Personnel Assignment Problems  
Principal Investigator: Dr. Abraham Charnes  
Consulting Investigator: Dr. Joel Stutz  
Grant Period: October 1, 1980-September 30, 1981

Department of the Navy ONR Contract.  
Number: N0001475C0569  
Title: Temporal Planning and Management Decisions Under Risk and Uncertainty  
Principal Investigator: Dr. Abraham Charnes  
Consulting Investigator: Dr. Joel Stutz  
Grant Period: January 1, 1981-December 30, 1981

Department of Transportation.  
Title: Large Scale Implementation of a Time Oriented Vehicle Scheduling Model

Principal Investigator: Dr. Edward Baker  
Consulting Investigator: Dr. Joel Stutz  
Grant Period: June 1, 1981-August 31, 1982

**Editorial Responsibilities:**

None

**Editorial Boards:**

None

**Reviewer/Discussant:**

None

**Coordinator:**

None

**Professional and Honorary Organizations:**

Association for Computing Machinery.

Pi Mu Epsilon, National Mathematics Honorary.

Beta Gamma Sigma, Business Honorary.

**Honors and Awards:**

NSF Traineeship, The University of Texas at Austin.

NDEA Title IV Fellowship, Michigan State University.

Joint appointment in the departments of General Business (Statistics, Operations Research and Data Processing and Analysis) and Computer Sciences, The University of Texas at Austin.

**Listings:**

**Other Professional Activities (e.g., papers presented; performances; conference proceedings, seminar or conference panel member, catalogue work, etc.):**

"Nuclear Volume Distribution of Phytohemagglutinin-Stimulated Human Lymphocytes," with A. Charnes, L. Cruz-Avad, E. Houston, W. Levin, F. Muniz, and D. Klingman. Proceedings of the Society of Experimental Biological Medicine 135 (1970), 334-339.

"A Multimedia Approach to Business Data Processing Instruction," with R. Armstrong. Eighth Conference on Computers in the Undergraduate Curricula (CCUC/8), refereed proceedings, (June, 1977).

"Some Considerations for the Distribution of a Data Base," with J. Elam. ACM 77, refereed proceedings, (October, 1977).

"Applied Discriminant Model for Information Systems Evaluation," with A. Rushinek and S. Rushinek. 1982 AEDS, refereed proceedings, (May, 1982).

"Forecasting Interactive System Modification Used for Software Maintenance: An Empirical Investigation of User-Computer Interaction," with A. Rushinek and S. Rushinek. Proceedings of the 1983 National AIDS.

Computer Users' Performance Related to Their Attitudes Toward Interactive On-Line Software: An Empirical Investigation of Program Development," with A. Rushinek and S. Rushinek. Proceedings of the Ninth Annual European Studies Conference, (October, 1984).

"Basic Business Programming Aided by Computer Assisted Instruction Software: An Empirical Evaluation of the Learning Curve for System Planning and Control," with A. Rushinek and S. Rushinek. Proceedings of the Western Educational Computing Conference, (November, 1984).

"Computer Assisted Instruction in Basic Programming for Business Applications: An Empirical Evaluation of Student Attitudes," with A. Rushinek and S. Rushinek. Proceedings of the S.E. AIDS, (February, 1985).

"Correlations Between Instructor, Course and CAI Tutorials," with A. Rushinek and S. Rushinek. Proceedings of the World Conference on Computers in Education, (July-August, 1985).

The paper entitled "Computational Results in the Decomposition of Discrete Frequency Spectra" was presented at the Tenth American Meeting of the Institute of Management Sciences, Atlanta, Georgia, October 1-3, 1969.

The paper entitled "Volume Distribution Analysis of Lymphocyte Transformation by Mathematical Programming" was presented at the Eighth Annual Symposium on Biomathematics and Computer Science in the Life Sciences, Houston, Texas, March 23-24, 1970.

The paper entitled "The Disjunctive Facet Problem: Formulation and Solution Techniques" presented at the 41<sup>st</sup> National Operations Research Society meeting in New Orleans, April, 1972.

The paper entitled "Linear Programming and Some Unicity Results of Gale and Nikaido" was an invited paper presented at the Twentieth International Meeting of The Institute of Management Sciences, Israel, June, 1973.

The paper entitled "Past, Present, and Future of Development, Computational Comparison, and Use of Large Scale Transportation and Network Computer Codes" presented at the Computer-Operations Research Conference in Washington, D.C., August, 1973.

The paper entitled "A Program for Generating Large Scale (un)Capacitated Assignment, Transportation, and Minimum Cost Flow Network Problems" presented at the 8th International Symposium on Mathematical Programming at Stanford University, August 27-31, 1973.

The paper entitled "Extensions of the Augmented Predecessor Index Method to Generalized Network Problems" presented at the 8th International Symposium on Mathematical Programming at Stanford University, August 26-31, 1973.

The paper entitled "Implementation and Computational Study of a Generalized Network Code" presented at the 44<sup>th</sup> National ORSA Meeting in San Diego, California, November 12-14, 1973.

The paper entitled "Computational Testing on an Integer Generalized Network Code" presented at the 45<sup>th</sup> National ORSA-TIMS meeting at the Sheraton-Boston in Boston, April 22-24, 1974.

The paper entitled "Practical Computational Enhancements of Algorithms for Continuous and Mixed Integer Networks with Gains" presented at the ORSA-TIMS Joint National Meeting in San Juan, Puerto Rico, October 16-18, 1974.

The paper entitled "A Multimedia Approach to Business Data Processing Instruction" presented at the 8<sup>th</sup> Conference on Computers in the Undergraduate Curricula (CCUC/8) meeting at the Michigan State University in East Lansing, Michigan, June, 1977.

The paper entitled "Applied Discriminant Model for Information Systems Evaluation" presented at the Associations for Educational Data Systems 1982 Convention in Orlando, Florida, May, 1982.

The paper entitled "An Application of Data Envelopment Analysis to Management of Army Recruitment Districts" presented at the ORSA/TIMS Conference in San Diego, California, October, 1982.

The paper entitled "Course Evaluation and the Use of Interactive CAI: An Empirical Investigation" presented at the 1985 Information Systems Education Conference in Houston, Texas, October, 1985.

Paper reviewer for the journal Communications of the ACM, 1986.

Paper reviewer for the Southern Management Association conference in Atlanta, Georgia, 1986.

Session Chairman at the Southern Management Association conference in Atlanta, Georgia, 1986.

Paper reviewer for The Second International Conference on The Management of Technology, 1989.

University of Miami representative at the Florida MIS Faculty Retreat in Tampa, Florida, 1990.

Local organizer and host for an Interface Computer Currency Seminar on "Innovations in Teaching the First Course in Information Systems." The seminar was held at the University of Miami School of Business Administration, April 6, 1990.

## **TEACHING**

### **Teaching Awards Received:**

The Hank and Mary Harkins Foundation Teaching Excellence Award for Effective and Innovative Teaching in Large Undergraduate Classes, College of Business Administration, The University of Texas at Austin, 1979.

### **Teaching Specialization (courses taught):**

Analysis of Information Systems

### **Thesis and Dissertation Advising:**

#### Doctoral Dissertation Chairman:

Avi Rushinek, The Effect of Computer Assisted Instruction on Student Attitudes, August, 1979.

Rajesh Kapadia, Planning, Forecasting and Decision-Making Model for Marketing Small Business Computers, December, 1980.

#### Doctoral Dissertation Committee Member:

Daniel Granot, Chance Constrained Solutions and Applications of N-Person Constrained Games, May, 1974.

Michael Ryan, A Goal Programming Approach to Land Use Economics, Planning and Regulation, May, 1974.

Spyras Economides, A Construction Scheduling System with Resource Allocation for Public Utilities, August, 1975.

Dennis Saral, Generalized Inverse Models for the Constrained Quadratic Goal Attainment Problem, August, 1975.

Wayne Zimmerman, Topics in Network Scheduling, May, 1975.

John Hultz, Algorithms and Applications for Generalized Networks, December, 1976.

Kee Sang Kim, An Integrated Dynamic Working Capital Management Model: A Network Approach, December, 1977.

Joyce Elam, Degeneracy Aspects and Minicomputer Applications of Network and Network-Related Problems, December, 1977.

Mike Vanecek, Bayesian Dollar Unit Sampling in Auditing, August, 1978.

Richard Barr, Algorithmic and Computer Code Developments for Combinatorial and Network Problems, December, 1978.

Fred Phillips, Some Information Theoretic Methods for Management Analysis in Marketing and Resources, December, 1978.

David Whitman, New Developments in Pure Network Technology, December, 1979.

Mike Sklar, Linear Programming and Data Analysis, December, 1979.

Ching-Wen Richard Chen, Auditing Models in Accounting Information Systems, August, 1980.

Dale Whittington, Water Management in Egypt: A Case Study in the Aswan High Dam, November, 1980.

Salih Osman Duffuaa, On Some Economic Distribution and Network Problems, May, 1982.

Shin-Tai Harry Yao, On Some Chance-Constrained Models for Finance and Management, August, 1982.

Victoria Marie Lovegren, Informatics, Analysis and Solution of a Class of Constrained Network Problems, May, 1983.

Cengiz Haksever, Effective Solution of Non-Convex Multi- Objective Ratio Goals, December, 1983.

James Shelley, \*\*\*\*\* , August, 1987.

Master's Thesis Chairman:

Placido J. Rodriguez, Jr., Conversational Computer Package for the Solution Of Transportation Problems, August, 1975.

John Whitford, Media Lectures and Case Studies for Networks, August, 1977.

Dennis Van Zelfden, An Empirical Test of Technical Analysis: Utilization of the Three-Point Reversal Point-and-Figure Technique, December, 1977.

Marcy Uselton, Electronic Funds Transfer and the Branching Issue, December, 1977.

Rajesh Kapadia, Analysis of Road Transport Investment Model, August, 1978.

Rebecca Hopson, Multi-Media Instruction Package (Lecture Scripts, Terminal Demos, and Slides) for OMNITAB, May, 1979.

Hsifan Sheu, Student Personal Retrieval System: A Pedagogical Tool, August, 1979.

Deborah Goltra, Instructor's Guide for Statistics 310, December, 1979.

James Van Winkle, A Computerized Vehicle Routing System May, 1980.

Shyh-Shyong George Chiou, Data Base Management Systems: Analyses and Evaluation for Potential Users, August, 1980.

Master's Thesis Committee Member:

James Ziegler, Modeling Techniques for Real World Network Problems, May, 1973.

Sally Page, A Computational Analysis of New Methodologies for Solving Transportation Problems, August, 1973.

William Lomerson, A Conversational Computer Package for the Solution of Linear Programming Problems, August, 1973.

Julie Byars, Current Curriculum in Data Processing for Managers, December, 1973.

Connie Smith, Development and Testing of a Tele-Communication Network Model for the Texas State Department of Public Welfare, December, 1973.

Richard Frost, Computer Simulation of Pure Premium Distributions for Automobile Liability Insurance, May, 1974.

Lee Litzler, Computers Can Differentiate Too, August, 1974.

Mark Miller, A Feasibility Study of a Simplex Code for Solving Uncapacitated Transshipment Problems Using the Graph Processing Language GROPE, August, 1974.

Tommy Levitt, May, 1975.

Barbara Vance, Market Feasibility Study for the Establishment of a Direct Distributorship in Austin Texas, August, 1976.

Gail Hurt, The Potential for Minicomputer Utilization in the Performance of Managerial Tasks, May, 1976.

H. Michael Sultanik, Computerized Simulation Technique for Improving Production Scheduling Decisions in Computer Facilities, December, 1976.

Parviz Ghandforoush, Linear Programming and the L-Norm, May, 1977.

Jonathan Stevens, The Source to S2K Conversion System, December, 1978.

Ruben Lopez, Local Area Networks: A Primer For Potential Users, May, 1986.

## SERVICE

### **University Committees and Administrative Responsibilities:**

#### University of Miami:

Member of the University Computer Policy Committee. (1981-1983)

Member of the University Task Force on Computer Literacy. (1983)

Member of the University Long Range Academic Systems Strategic Planning Committee (LRASSP). Also a member of the four person special project team to research and write the LRASSP plan for the university. (1984)

Member of the College of Engineering Chairman Search Committee for the Department of Industrial Engineering. (1984)

Member of the School of Business Administration Computer Coordinating Committee. (1984-1986)

Member of the Consultative Committee for Vice President of Research and Dean of the Graduate School. (1984-1985)

Departmental Ph.D. Curriculum Committee.

Chairman of Departmental MS/CIS Curriculum Committee.  
Completely updated and revised MS/CIS Program.

Chairman of Departmental BBA/CIS Curriculum Committee. Revised the BBA/CIS degree requirements and changed the program name from Business Computer Systems to Computer Information Systems.

Reviewed all courses (both undergraduate and graduate) in the CIS area offered by the department. Updated all course descriptions, course numbers, and prerequisites. Added and deleted courses as needed to support revised degree programs.

Member of the University Academic Computing Grants Committee. (1985)

Member of the University Academic Computing Implementation Committee. (1985-1986)

Member of the University Self-Study Committee on the Computer Center. This was part of a total university self-study. (1985-1986)

Member of the University Computer Hardware Committee. The purpose was to develop a central computer center hardware plan. (1985-1986)

Directed the transformation of room SB408 into a "state-of-the-art" computer assisted classroom. (1986)

Member of the University Consultative Committee for the Graduate School Dean. (1987)

Member of the School of Business Administration Career Placement Faculty Advisory Board. (1987-1988)

MAS/CIS 120 Course Coordinator. (1980-1989)

Revised BBA/CIS 1982-1983 Bulletin Material.

Revised MS/CIS 1982-1983 Bulletin Material.

Served on over ten Master of Science Oral Committees.

Evaluation and review of candidates for admission to the MS/CIS program.

Major contributions to revision and adoption of new MBA Program. (1988)

Development of MAS and CIS specializations for the MBA Program. (1988)

Significant revision of the MS/CIS degree program. (1988)

Participation in the creation and passage of the new MBA specialization in Telecommunications, including three new courses in the area. (1988)

Attended the Decision Sciences Institute Conference in Las Vegas as part of the faculty recruiting effort. (1988)

Dual Chairmanship responsibilities during spring semester 1988. Functioned as chairman of two separate departments: Management Science and Computer Information Systems. Performed separate tasks for each department, including course scheduling, faculty evaluations and raises, curriculum, etc.

Performed all administrative functions necessary to create the two distinct and separate departments (MAS and CIS). This included undergraduate and graduate bulletins, course dictionary, campus directory, plus many others. (1988)

Designed, ordered and supervised installation of new furniture for the combined CIS Department/ICS Institute reception area. (1988)

Member of The Dean's Search Consultative Committee for the School of Business Administration.

Lunch meetings with representatives from Price Waterhouse, Anderson Consulting, Deloitte-Touche and Texaco. Discussions on research support, student internships and employment, guest speakers, department advisory board, etc. (1989)

Member of a University Graduate School Panel Review Committee for an appeal hearing. The case involved a graduate student who failed a comprehensive examination. (1989)

A Faculty Marshal representing the School of Business Administration for the University Graduation Commencement, May 12, 1989.

Assisted attorneys in preparation of documentation for Dr. Roberts Plant's visa and permanent residence applications. (1989)

Member of the Department of CIS Publicity Committee for the production and distribution of a professional department brochure. (1989)

Major writer of an article highlighting the CIS Department in Quarterly Business Reports, Vol. 3, No. 3, Fall/Winter 1989.

Responsible for management of the School of Business Administration microcomputer laboratory and computer projection classrooms. (1983-1989)

Member of the School of Business Administration Computer Planning Committee. (1989-present)

Member of the University Computer Advisory Committee (CAC). (1984-1990)

Member of the School of Business Administration Corporate Affiliate Summer Research Grant Proposal Review Committee. (1990)

Member of the School of Business Administration International Policy Group. (1990)

Member of the Ph.D. qualifying committee for Raymond Frost. (1989-1990)

Visit (with Mark Gillenson) to Central Florida University to review and evaluate their local area network (LAN), in order to help design one for the University of Miami School of Business Administration Personal Computer Lab. (1990)

Extensive planning activities during 1990 for the 1991 Florida MIS Faculty Retreat to be held at the University of Miami School of Business Administration.

Member of the Ph.D. dissertation committee for Raymond Frost. (1991-1992)

The University of Texas at Austin:

Associate Director of Computer Science Research, Center for Cybernetic Studies, The University of Texas at Austin. 1976-1980

Chairman of Departmental Teaching Assistants Committee.

Member of Scholarship Committee.

Chairman of Computer Use Module Committee.

Member of School of Business Computer Committee.

Member of School Teaching Improvement and Development Committee.

Member of School Teaching Assistant Award Committee.

Chairman of College Computer Committee.

Member of Departmental Information Systems Curriculum Committee.

Member of The University Calendar Committee.

**Community Activities:**

Chairman of the Development Committee for the CLEP Exam in Information Systems and Computer Applications, Educational Testing Service, Princeton, New Jersey, 1989.

Analysis, Design, and Implementation of a Personal and Public Safety Accident Database System for the University of Miami. This was undertaken as a class project in one of my courses.

One of four people selected to membership on the Educational Testing Service CLEP Computers and Data Processing Committee. The purpose of the committee was to construct and validate a new achievement test in the data processing area. (1979)

Leader of The Consumer Complaint Information Retrieval Project for the State of Texas Attorney General's Office.

Project director for the development of a Consumer Complaint Information Retrieval and Analysis Center (CIRAC), a cooperative effort by the UT Student Government, the Texas Consumer Association, Texas Attorney's Consumer Protection Division and Tex PIRG.

Assisted the University of Texas Medical Branch at Galveston to establish efficient blood analysis procedures.

Visit to Fairchild Elementary School to present and discuss computing topics and job opportunities. (1984)

Assisted the Latin Chamber of Commerce prepare a proposal for government funding. (1984)

"Career Day" presentation at Highland Oaks Jr. High School, North Miami Beach, 1987.

"Career Fair" presentations at Blue Lakes Elementary School in Miami, Florida, 1989.

Assisted the American Heart Association of Greater Miami with their community education program. Gave them advice on the design of their program as well as helping them obtain the donation of a microcomputer for the project. (1984)

Festival Marshal for the South Miami Arts Festival, 1986.

Attended a College Fair for employees of American Express in Fort Lauderdale, August 10, 1989. The objective of the fair was to acquaint employees with the opportunities available at South Florida universities. External reviewer to Rutgers University on the promotion to Full Professor of Nabil R. Adam.

Performed advising and in-service training regarding the use of microcomputers to teachers at Claude Pepper Elementary School.