

PAUL R. WATKINS, PhD

ADDRESS

PO Box 4621

Pocatello, Idaho 83205-4621

CONTACT

714-234-0327

watkpaul@isu.edu

Current Academic Appointment:

Professor of Education

College of Education

Idaho State University

8/19/2013 -

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EDUCATION (Degrees Earned)

- PhD** Arizona State University, 1980
- *Major Field: Decision Support Systems*
 - *Minor Field: Accounting*
- MBA** Arizona State University, 1975
- *Emphasis: Statistics, Quantitative Methods*
- BS** Accounting, Arizona State University, 1974
- Other** Utah State University
- *Academic Scholarship:: Electrical Engineering*

EXECUTIVE ACADEMIC ADMINISTRATION

INNOVATION IN HIGHER EDUCATION (IHED)

- Founder and Principal of Consulting Practice for Institutions of Higher Learning October 2011 - Present
- Development of Strategies, Resources and Client Development

TRIDENT UNIVERSITY

- Vice President of Academic Affairs/Chief Academic Officer July 2009 to October 1, 2011

TUI UNIVERSITY

- Dean, Colleges of Business Administration & Information Systems June 2004 – July 2009

TOURO UNIVERSITY INTERNATIONAL

- Associate Dean, Colleges of Business Administration & Information Systems 2004
- Director, PhD Program College of Business Administration 2003 – 2004
- Coordinator, International Business Programs - 2003
- Professor of Business Administration and Information Systems 2002 –

UNIVERSITY OF SOUTHERN CALIFORNIA

- Member of the "List": Interdisciplinary research team; my emphasis was cognitive science - workshops, seminars, conferences

MARSHALL SCHOOL OF BUSINESS

- Director, Graduate School of Business Administration International Comparative Management Program, Spring and Summer (Europe) 1985

LEVENTHAL SCHOOL OF ACCOUNTING

- Director, Lotus Notes Collaborative Intranet Project, 1996 - 1998
- Director, Internet Services and Web Deployment, 1996 - 1998
- Founder & Director, Advanced Technologies in Information Systems Program, 1988 - 1993
- Director of Computer Resources, 1984 - 1989
- Director of Expert Systems Program, 1986 - 1988
- Tenured Professor

ARIZONA STATE UNIVERSITY

DEPARTMENTS OF INFORMATION SYSTEMS/QUANTITATIVE METHODS & ACCOUNTING

- Faculty Associate, 1978
- Graduate Teaching Assistant, 1976 - 1978

ACADEMIC RESEARCH

COMPETITIVE RESEARCH GRANTS

- Feasibility of Client-Server Delivery on Local and Wide Area Networks for Dense Multimedia Objects, National Center for Automated Information Retrieval (NCAIR), 1993
- Integration of Multimedia and Artificial Intelligence for Advanced Tutoring Systems, National Center for Information Retrieval (NCAIR), 1992
- Synthesis of Internal Controls in the Prevention and Detection of Fraudulent Financial Reporting: An Intelligent Decision Support Approach, National Association of Accountants Research Foundation, May 1989
- Transnational Data Flows: A Knowledge Based, Strategic Approach, Peat Marwick Mitchell Foundation, February 1989
- Multi-Method Approach to Knowledge Acquisition, GSBA Summer Research Grant, 1988
- Knowledge Acquisition for Customer Services Experts, Computax Corporation, 1988 (w. D. O'Leary)
- Validation and Debugging Standards for Complex Systems Development, Computax Corporation, 1988, (w. D. O'Leary)

- Internal Auditors and Expert Systems, Institute of Internal Auditors Research Foundation, 1987 (w. D. O'Leary)
- Measurements of Taxpayer Perceptions of Fairness and Equity, GSBA Summer Research Grant, Summer 1986 (w. S. Karlinsky)
- Accounting Expert Systems, Texas Instruments, Fall 1986 (w. D. O'Leary)
- Analytical Review in Auditing, Canadian Government Chartered Accountants Research Foundation Grant, August 1985, (w. S. Biggs & T. Mock)
- Microcomputer Curriculum Development Grant, Coopers and Lybrand Foundation, Spring 1984, (w. T. Lin)
- Accounting Information Systems and Database Design, National Center for Information Retrieval Foundation, December 1984
- Mathematical Models in Accounting, National Association of Accountants Research Foundation, December 1984 (w. T. Lin)
- Judgmental Forecasting for Budgeting and Accounting, Accounting Circle Faculty Scholar Grant, Summer 1982
- Tailoring of Information Reports to Behavioral Characteristics of Decision Makers, GSBA Grant, 1982
- Analytical Review in Auditing, Peat Marwick Mitchell ROA in Auditing Grant, January 1981 (w. S. Biggs, and T. Mock)
- Organization Structure and Behavioral Factors in Audit Review, GSBA Grant, May 1980
- Perceptions and Preferences for Internal Accounting Controls, GSBA Grant, April 1979

SCHOLARLY BOOKS (PEER REVIEWED)

- Auditor Judgment Research in Analytical Procedures: Implications for Practice. Certified General Accountants' Association of Canada, 1997 (w. S. F. Biggs, and T.J. Mock)

SCHOLARLY BOOKS

- Expert Systems and Artificial Intelligence in Internal Auditing. Markus Wiener, 1995 (w. D. O'Leary)
- Expert Systems: Issues in Business and Finance. John Wiley, 1993 (w. L. Eliot)
- Expert Systems In Finance. North Holland, 1992 (w. D. O' Leary) (Translated into Japanese, 1994)
- Applied Expert Systems, North Holland, August, 1988 (w. E. Turban)
- Knowledge Acquisition: Machine and Psychological Methods. Morgan Kaufman Publishers, (w. P. Liang, E. Turban, J. Lee)

SCHOLARLY MONOGRAPHS (PEER REVIEWED)

- Analytical Review Procedures and Processes in Auditing, Research Monograph, CGCA, June 1989 (w. S. Biggs & T. Mock)

- The Use of Mathematical Models in Accounting, Research Monograph, NAA, 1986 (w. T. Lin)

RESEARCH REPORTS (PEER REVIEWED)

- Expert Systems and Internal Auditing, Research Report, Institute of Internal Auditors Research Foundation, available on request, 1992 (w. D. O'Leary)

SCHOLARLY ARTICLES (PEER REVIEWED)

- McNair, M., Howard, C., Guzman, I., & Watkins, P. (2008). The Effects of Individual Creativity Enhancement derived from Generic Creativity Informational Training. *Review of Management Innovation and Creativity*, 1(2), 31-40.
- McNair, M., Howard, C. Watkins, P. Guzman, I. Enhancing Student Productivity Using a Creativity Tutorial, in Rogers, Patricia, Gary A. Berg, Judith Boettcher, Caroline Howard, Lorraine Justice, Karen Schenk, (editors) *Encyclopedia of Online and Distance Learning* (2 edition) IGI Global, Hershey, PA, (2009)
- "Internal Auditing and Expert Systems: Technology Adoption of an Audit Judgment Tool", *Artificial Intelligence in Accounting and Auditing*, V, Markus Wiener Publishing, 2000, pp. 94-108, (w. D. O' Leary)
- "The Impact of Information Technology Adoption on Status: An Exchange Theory Analysis of Expert System Adoption", *Artificial Intelligence in Accounting and Auditing*, V, Markus Wiener Publishing, 2000, pp. 139-150, (w. D. O' Leary)
- "Supporting Decisions about Transborder Data Flows", *Artificial Intelligence in Accounting and Auditing*, V, Markus Wiener Publishing, 2000, pp. 169-176, (w. D. O' Leary)
- "Issues in Expert Systems Security" in *Expert Systems in Business and Finance: Issues and Applications*, John Wiley & Co., 1993, pp. 274-277 (w. D. O'Leary)
- "Expert Systems in Auditing", in *Expert Systems in Business and Finance: Issues and Applications*, John Wiley & Co., 1993, pp. 209-232 (w. D. O' Leary)
- "Integration of Intelligent Technologies into Conventional Information Systems", in *Expert Systems in Business and Finance: Issues and Applications*, John Wiley & Co., 1993, pp. 79-109 (w. D. O'Leary)
- "Diffusion of AI/ES in Internal Auditing", DIGIT Workshop at International Conference on Information Systems, Orlando, FL, December 1993 (w. D. O' Leary)
- "Expert Systems in Finance", *Expert Systems in Business & Finance*, John Wiley, 1993
- "Integration of Intelligent Systems and Conventional Systems: Requirements for Coordinating Multiple Agent for Diagnostic Systems, " *IJISAFM*, Volume 1, Number 2, 1992, pp. 135-150 (w. D. O' Leary)
- "AI Integration for Enhanced Decision Support", *Hawaii International Conference on Systems Science* (sponsored by ACM), January 1992 (w. D. O'Leary and T. Lin)
- "Audit Judgment Symposium: 1983 - 1992: Review and Assessment", *Auditing: A Journal of Practice and Theory*, (w. T. Mock, K. Pincus and P. Caster)

- "The Advanced Technologies in Information Systems Program (AISP) at the University of Southern California", Expert Systems with Applications, Vol. 4., No.2, 1992, pp. 177184, (w. D. O'Leary)
- "Integration of Intelligent Systems and Conventional Systems: Requirements for Coordinating Multiple Agents for Diagnostic Decisions", International Journal of Intelligent Systems in Finance, Business and Accounting, Vol. 1, No. 2, 1992, pp. 135150 (w. D. O'Leary)
- "Beyond Expert Systems Reasoning, Judgment and Wisdom", Expert Systems with Applications, Vol. 4, pp. 1 10, 1992 (w. A. Rowe)
- "AI Integration for Enhanced Decision Support", Proceedings, Hawaii International Conference on Systems Sciences (HICS), January 1992, (w. T. Lin & D. O'Leary)
- "Integration Issues for Advanced Information Systems", Expert Systems Review, March 1991 (w. D. O'Leary)
- "A Portfolio of Knowledge Acquisition Approaches for Knowledge Based Systems", HICS, January 1990 (w. D. O'Leary)
- "Integration of AI into Traditional Information Systems: CASE", TIMS CASE, November 1990
- "Expert Systems and Decision Support Systems in Auditing", Expert Systems for Business Management, PrenticeHall, 1990, (w. D. O'Leary)
- "Integration of Intelligent Technologies and Conventional Information Systems: Issues and Opportunities", Proceedings, 2nd International Symposium on Intelligent Systems, ITISM, Monterey, Mexico, October 1989
- "Transborder Data Flows: Knowledge Base Development and Assessment", Proceedings, International Symposium on International Business Issues, California State University - Fresno, October 1989
- "Issues in Applied Artificial Intelligence Integration with Conventional Technologies", WORCON CollectedPapers, June 1989
- "Knowledge Acquisition Methodologies for Diagnostic Expert Systems, Collected Papers Data, Expert Knowledge and Decisions, Published by NATO, September 1989
- "Expert Systems in Accounting", Expert Systems Review, 1989, (w. D. O'Leary)
- "Taxpayer Perceptions of Fairness: A Field Study", Advances in Taxation, 1989, (w. V. Milliron and S. Karlinsky)
- "Auditor's Use of Analytical Review in Audit Program Design", The Accounting Review, January 1988 (w. T. Mock and S. Biggs)
- "Perspective on Expert Systems", Expert Systems Review, July 1988
- "Expert Systems Applications and Opportunities in Finance", Applied Expert Systems, August 1988
- "Expert Systems and Cognitive Processes: An Organizational Perspective", Special Issue. Human Systems Management, Spring 1987
- "Knowledge Acquisition for Small Scale Expert Systems from Consulting Experts: A Field Study Approach", Second International Symposium on Knowledge Representation, Sussex, England, August 1987 (w. D. O'Leary)

- "Expert Systems and Decision Support: Issues for Intelligent Design", Managerial Perspectives on AI, eds. Schoen S. and W. Sykes, John Wiley and Sons, January 1987 (Reprinted from MIS Quarterly, Spring 1986), (w. E. Turban)
- "Expert Systems and Decision Support: Issues for Intelligent Design", MIS Quarterly, Spring 1986 (w. T. Turban)
- "Integration of Expert Systems and Decision Support Systems", in Sprague & Watson, eds. Decision Support Systems, PrenticeHall, 1986 (w. E. Turban)
- "Cognitive Processes and Artificial Intelligence: An Organizational Perspective", Human Systems Management, September 1986
- "Composite Expert Systems for Decision Support", Forum on Artificial Intelligence in Management, August 1986 (w. E. Turban)
- "Integration of Decision Support and Expert Systems Systems", Management for Information Systems, eds. Watson, Carroll, Mann. BPI Publications, 3rd Edition, 1986 (w. E. Turban)
- "SOCAL Roses, Inc.", Curriculum Development Program, Coopers and Lybrand, 1985 (w. T. Lin)
- "Integration of Decision Support Systems and Expert Systems", Proceedings, 7th Annual Symposium on Decision Support Systems, San Francisco, 1985 (w. E. Turban)
- "Roland Corporation, U.S.A.", Curriculum Development Program, Coopers and Lybrand, 1985 (w. T. Lin)
- "Preference Mapping of Perceived Information Structure", Decision Sciences, Volume 15 No. 1, January 1984
- "Multidimensional Scaling Measurements in Accounting Research", Journal of Accounting Research, Volume 22, No. 1, Spring 1984
- "Cost-Volume-Profit Analysis Under Uncertainty, A Synthesis", Journal of Accounting Literature, Vol. 3, Spring 1984 (w. T. Lin & D. Driscoll)
- "Decision Maker Preferences for Information in Complex Decision Making: New Directions for OR Interventions", European Journal of Operational Research, Volume 14, No. 3, November 1983
- "Top Level Executive Perceptions of and Preferences for Information in Complex Decision Making", Proceedings, 25th International Meeting of the Institute of Management Sciences and the 5th European Congress on Operations Research, Lausanne, Switzerland, July 1982
- "The Adequacy of Internal Accounting Control Documentation and the Modeling of Auditor Judgment", Symposium on Auditing Research IV, University of Illinois, July 1982 (w. T. Mock)
- "Perceived Information Structure: Implications for Decision Support System Design", Decision Sciences, Volume 13, No. 1, January 1982
- "A Behavioral Framework for Evaluating the Use of Analytical Review Procedures in Auditing", Proceedings, Conference on Audit Risk, University of North Carolina, May 1982 (w. T. Mock and S. Biggs)
- "Cognitive Complexity and Information Systems Design", Proceedings, 2nd International Symposium on Information Systems, MIT, December 1981

- "Perceptions of Internal Accounting Controls by Financial Executives and Internal Auditors", Proceedings, 12th Annual Meeting, American Institute of Decision Sciences, Las Vegas, NV, November 1980
- "A Partial Synthesis of Personality Factors Affecting Information Usage of Decision Makers", Proceedings, 12th Annual Meeting of American Institute of Decision Sciences, Las Vegas, NV, November 1980
- "The Effects of Cognitive Style on Group Decision Making Performance", Proceedings, 12th Annual Meeting of American Institute of Decision Sciences, Las Vegas, NV, November 1980
- "Top Level Decision Making and Information Complexity: Implications for Decision Support Systems Design", Proceedings, 11th Annual Meeting, American Institute of Decision Sciences, New Orleans, LA, November 1979

RESEARCH SYMPOSIA, NATIONAL AND INTERNATIONAL CONFERENCE PAPERS (PEER REVIEWED)

- "Integration of Composite and Complementary AI Technology to Enhance Decision Support", USC, Joint Workshop with MIS, Computer Science and Accounting Departments, April 1997
- "The Leventhal School of Accounting Methodology for Curriculum Assessment", Professional Schools of Accounting Workshop, Notre Dame University, IN, June 1997
- "Cognitive Factors in Effective Graphics Design for Electronic Media: The Psychology of Persuasion"; Keynote Address, Workshop on Advanced Graphics Design, Honors Program in Graphics Design, Brigham Young University, UT, May 1997
- Integration of AI Technologies into Composite Business Processes, Joint Interdisciplinary Conference on Advanced Information Technology, Stanford University, CA, February 1995
- "Research Issues in Expert Systems in Accounting" and "Expert Systems in the Accounting Curriculum", American Accounting Association, Toronto, Canada, August 1990, Nashville, TN, August 1991, San Francisco, CA, August 1993, and New York, NY, August 1994 (w. D. O'Leary)
- "Issues in the Development of Expert Systems/Artificial Intelligence Cases for Use in Graduate Pedagogy", American Accounting Association AIES Workshop, National Meeting, San Francisco, CA, August 1993
- "Artificial Intelligence in Accounting and Finance", American Association for Artificial Intelligence, Anaheim, CA, July 1991 (w. D. O'Leary)
- "Design, Development and Evaluation of Intelligent Technologies", Artificial Intelligence and Image Processing Research Group, Toppan Printing and Communications, Tokyo, Japan, July 1989
- "Integration and Transfer of Intelligent Technology to Conventional Decision Support Systems: Smart Decision Support", NEC and Toshiba Information Systems Research Center, Tokyo and Osaka, Japan, July 1989

- "Intelligent Computer Aided Instruction: A Revolutionary Approach to Technology Transfer through Education", Japan Computing Association, Tokyo and Osaka, Japan, July 1989
- "Technology Transfer of Intelligent Technology from AI Labs to Production Systems", Hitachi Research Institute, Tokyo, Japan, July 1989
- "Integration of Knowledge Acquisition and Knowledge Representation Techniques for Diagnostic Expert Systems", EUROV, Belgrade, Yugoslavia, June 1989
- "Knowledge Acquisition from Diagnostic Knowledge Based Systems", The International Meeting of the Institute of Management Science, Osaka, Japan, July 1989
- "Consulting Experts and Knowledge Acquisition", The International Meeting of the Institute of Management Science, Osaka, Japan, July 1989
- "Intelligent Decision Support Systems", LuckyGoldstar Research Group, Seoul, Korea, June 1989
- "Integration of MIS and Intelligence: Issues in Technology Transfer", MIS and Computer Science Workshop, Soong Sil University, Seoul, Korea, June 1989
- "Artificial Intelligence in Accounting and Business: Dealing With Information Complexity", Korea University Workshop, Seoul, Korea, June 1989
- "Experimental Methods for Acquiring Knowledge In Surface Intensive Tasks", World Conference on Information Processing Telecommunications, Seoul, Korea, June 1989
- "A Comparative Analysis of Knowledge Acquisition Techniques for Diagnostic Expert Systems", The Institute of Management Sciences Meeting, Vancouver, B.C., May 1989 (w. D. O'Leary)
- "Issues Underlying Expert Systems in Taxation", National Meeting of the Tax Information Society Meeting, San Francisco, CA, May 1988
- "Issues in ES Knowledge Acquisition", First International Symposium on Expert Systems in Business, Finance and Accounting, September 1988
- "Issues and Opportunities for ES Integration", National Decision Sciences Meeting, November 2124, Las Vegas, NV, 1988
- "Expert Systems Research in Accounting", Western Regional Meeting of the American Accounting Association, Monterrey, CA, April 1988
- "Knowledge Acquisition from Small Scale, Consulting Expert Systems", The Institute of Management Science National Meeting, Denver, CO, May 1988 (w. D. O'Leary)
- "Judgment Support Systems: An Integrative Framework for Viewing Expert Systems and Decision Support", Commissioned paper presented at the 5th USC Symposium on Auditor Judgment and Support Systems, February 16, 1987
- "Expert Systems Research in Accounting", Faculty and Ph.D. Workshop, Virginia Polytechnic University, September 1986
- "Applied Managerial Expert Systems: Issues and Implications", The Institute of Management Sciences National Meeting, Miami, FL, October 27-29, 1986
- "Managerial Decision Making, Expert Systems and Decision Support Systems". Forum on Artificial Intelligence sponsored by The Department of Defense, Defense Systems Management College, Richmond, VA, May 1821, 1986
- "Non Numerical Methods of Inference in Expert Systems", Presentation at the USCDHS Symposium on Expert Systems in Auditing, February 1986

- "Managerial/Cost Accounting Research", Presentation at the AAA New Faculty Consortium, St. Charles, IL, February 35, 1985
- "Issues in Applying Analytical Models in Cost Accounting Curricula", Presentation at the Southeastern Regional Meeting, AAA, Spring 1985
- "Expert Systems and Artificial Intelligence in Accounting", Presentation at National Meeting, AAA, New York, NY, August 1986
- "Advanced Uses of Microcomputers in the Accounting Curriculum", National Meeting, AAA, New York, NY, August 1986
- "Judgment Research in Auditing", Invited Paper Presentation, Ph.D. Consortium, AAA, Tahoe City, CA, August 1985
- "Statistical and Judgmental AR in Auditing", Western Regional AAA Meeting, San Diego, CA, May 1985 (w. T. Mock)
- "Descriptive Study of AR in Auditing", Symposium on Audit Risk, February 1985 (w. S. Biggs and T. Mock)
- "Multi-dimensional Scaling Measurements for Understanding Structure in Accounting Data", University of Connecticut, Faculty Workshop, September 1984
- "Analogical Problem Solving and Auditor Judgment: Implications for Expert Systems Design", The Institute of Management Science International Meeting, Copenhagen, Denmark, June 1984
- "Judgmental Forecasting: Remedies Through Decision Aids", 3rd International Conference on Forecasting, Philadelphia, PA, July 1983
- "Preference Mappings of Perceived Information Structures", UCLA CIS Faculty Workshop, Feb.1983
- "A Behavioral Framework for Auditing Research", Symposium on Audit Research, USC, February 1983
- "Behavioral Sciences and MIS", 14th Annual Meeting of American Institute of Decision Sciences, San Francisco, CA, November 1982
- "Strategy on Implementing Research into Auditor Analytical Review Process", USC Accounting Research Forum, October 1982 (w. S. Biggs and T. Mock)
- "A Multiattribute Approach for Evaluating Accounting Policy Decisions", 2nd international Conference on Forecasting, Istanbul, Turkey, July 1982
- "Multivariate Assessment of the Information Structure Experiment", National TIMS/ORSA Meeting, Detroit, MI, April 1982 (w. T. Mock)
- "Discrete Measurement of Multidimensional Space", National TIMS/ORSA Meeting, Detroit, April 1982 "Information Complexity and Cognitive Styles", University of Alberta, Accounting Faculty Workshop, April 1981
- "Modeling of Auditor Judgment", UCLA Accounting Faculty Workshop, February 1981 (w. T. Mock)
- "The Adequacy of Internal Accounting Control Documentation and the Modeling of Auditor Judgment", Symposium on Auditing Research IV, November 1980 (w. T. Mock)
- "A Measurement Approaches to Linkages between Cognitive Complexity and Cognitive Styles: An Information Systems Perspective", National TIMS/ORSA Meeting, Colorado Springs, CO, November 1980

- "Dichotomous Preference Structures of Internal Auditors and Financial Executives for Internal Accounting Controls", 12th Annual Aids Meeting, Las Vegas, NV, November 1980
- "A Measurement Approach of Cognitive Style and Cognitive Complexity", USC Accounting Research Forum, November 1980
- "Modeling Auditor Judgment Based on Two Methods of Auditor Rationale Documentation", USC Accounting Research Forum, October 1980 (w. T. Mock)
- "A Perceptual Structure of Internal Auditing and Financial Management", USC Accounting Research Forum, May 1980
- "Documenting and Maintaining Internal Controls Under the Foreign Corrupt Practices Act", USC Symposium on Applied Research in Accounting, April 1980
- "Strategic Decision Making, and Cognitive Styles", USC Accounting Research Forum, April 1979

RESEARCH PAPER DISCUSSANT / PANEL MEMBER

- AIES Workshop Discussant, American Accounting Association National Meeting, San Francisco, CA, August 1993 – 1996
- Multimedia in Accounting Research and Pedagogy Panel, NCAIR Research Seminar, Chicago, IL, February 1993
- Journal Editor's Panel Discussion: Information Systems Research Perspectives, National Meeting of Decision Sciences Institute, San Diego, CA, November 1990
- Knowledge Acquisition Methods: A Framework and Critique, National Meeting of Decision Sciences Institute, San Diego, CA, November 1990
- Issues with the Representation of Financial Knowledge in Expert Systems, 2nd Annual Conference on Knowledge Engineering, San Francisco, CA, October 1990
- Expert Systems in Business: Paper and Session Critique, Workshop on AI in Business, American Association for Artificial Intelligence, National Meeting, Boston, MA, July 1990
- Internal Auditing and Expert Systems, American Accounting Association National Meeting, Honolulu HI, August 1989
- Information Systems in the Year 2000: Impact on Office and Business Technology, World Conference on Information Systems and Telecommunications, Seoul, Korea, June 1989
- Cognitive Science Research in Auditing, (2 papers), Symposium on Auditing Judgment, February 1989.
- Auditor Judgment Research, Symposium on Auditing Judgment, February 1988
- Judgment Research in Auditing, (2 papers), American Accounting Association Western Regional Meeting Monterrey, CA, May 1988
- Cognitive Science Research, Symposium on Auditor Judgment, February 1988
- Issues in Knowledge Acquisition, First International Symposium on Expert Systems in Business, Finance and Accounting, September 1988
- Expert Systems in Auditing, Touche Ross Symposium on Auditing, Claremont McKenna College, March 1987

- Research Methods In Auditing Panel, Symposium on Auditor Judgment Research, February 1987
- Expert Systems: State of the Art Panel, Symposium on Expert Systems in Auditing, February 1986
- Expert Systems for Materiality Judgments in Auditing, 7th International Symposium on Information Systems, December 1986
- Decision Support for Auditing, Symposium on Decision Support for Auditing, February 1984
- Behavioral Issues in Audit Research, USC Symposium on Audit Judgment, USC, February 1983
- Judgment and Decision Making, American Accounting Association National Meeting, August 1983
- Operations Research in Organizations, Fifth European Congress on Operations Research, Lausanne, Switzerland, July 1982

EDITORIAL AND REVIEW BOARDS

- Intelligent Systems in Finance, Business and Accounting, Editorial Board, 1991 - present
- MIS Quarterly, (ad hoc) 1982 - 1998
- The Accounting Review, (ad hoc) 1984 - 1998
- National Science Foundation, Reviewer, 1984 - 1998
- Management Science, (ad hoc) 1986 - 1998
- Advances in Auditing Technologies, Editorial Board, 1987 - 1998
- Advances in Taxation, (ad hoc), 1988 - 1998
- Journal of Accounting Research, (ad hoc) 1988 - 1998
- National Meetings of Decision Sciences Institute, various, from 1989 - 1998
- IEEE Transactions in Management, (ad hoc) 1989 - 1998.
- Journal of Forecasting, (ad hoc), 1990 - 1998
- Expert Systems with Applications (Expert Systems Research Centers), Co-editor of Special Issue, 1991
- Journal of Information Systems, Editorial Board, 1984 - 1991
- Expert Systems with Applications (Expert Systems for Scheduling), Co-editor of Special Issue, 1990
- Appointed Associate Editor of Decision Sciences (3 yr. term), 1989
- American Accounting Association National Meeting, Reviewer for papers for auditing sessions, 1988
- American Accounting Association National Meeting, Reviewer for papers for behavioral sessions, 1987
- American Accounting Association, Research Board, 1986 - 1987
- Human Systems Management, Co-editor of Special Issue, 1986
- American Accounting Association National Meeting, Chair, Paper selections for Judgment, Decision Making Sessions, 1985
- Auditing Journal, Co-editor of Research Column 1983 - 1984

- American Accounting Association Research Monographs, Reviewer, 1983
- Fifth International Conference on Information Systems, Paper selection committee member, 1983
- American Institute of Decision Sciences National Meeting, Referee, 1979

OTHER PROFESSIONAL RESEARCH ACTIVITIES

- Chair, Artificial Intelligence-Expert Systems (AI-ES) Section, American Accounting Association, August 1997 - 1998
- Section Vice President for Regions, AIES Section, American Accounting Association, August 1993 - 1997
- Section Treasurer, AIES Section, American Accounting Association, August 1992 - July 1993
- Session Chair, Intelligent Support Systems, TIMS/ORSA Meeting, 1993
- Program Chair, Expert Systems in Business and Finance, Joint IEEE/ACM National Meeting, 1991
- Session Co-chair, World Congress on Expert Systems, 1991
- Track Chair, Expert Systems and Decision Support, Decision Sciences Institute National Meeting, 1991
- Chair, 1st Japanese Symposium on Expert Systems in Business, Accounting and Finance, Nov. 1991
- Chair, 3rd International Symposium on Expert Systems in Business, Finance and Accounting, September 1990
- Co-chair, Forum on Artificial Intelligence in Management (FAIM) sponsored by the Defense Systems Management College, Department of Defense, Monterey, CA, May 1990
- Chair, 2nd International Symposium on Expert Systems in Business, Finance and Accounting, October 1989
- Chair and Organizer, First International Symposium on Expert Systems in Business, Finance and Accounting, September 1988
- Co-chair/Co-founder, Audit Judgment Symposium, USC, 1988
- Co-chair, Symposium on Auditor Judgment, February 1987
- Chair, Judgment Research in Accounting Workshop, Western Regional Meeting, American Accounting Association, Sacramento, CA, May 1987
- Member, American Accounting Association Research Board, 1986 - 1987
- Session Chair, Behaviors and Organizations in Accounting Section, Western Regional Meeting, American Accounting Association, Sacramento, CA, May 1987
- Co-chair, USCDHS Symposium on Expert Systems and Auditing, February 1986
- Business School Representative, Special University Committee on Classified and Proprietary Research, 1986

NSF RESEARCH PROPOSALS DEVELOPED

Advanced Technologies in Information Systems Interdisciplinary Research Center, NSF, 1989 (w. D. O'Leary)

HONORS & AWARDS

HONORS AND PROFESSIONAL SOCIETIES

- Theta Tau, Professional Engineering Honorary
- Delta Phi Kappa Honorary
- Beta Gamma Sigma
- Who's Who in Frontier Science and Technology
- Who's Who in California
- Invited Speaker, Keynote Address, Graduate Honors Students in Advanced Graphics Design, Brigham Young University, UT, May 1997
- Selected for Interview with leading Radio Station in Melbourne, Australia, on the Effects on the Internet and the U.S. Position on Regulation, September 1996
- Appointed to the United Nations Sub-committee on Transborder Data Flows, New York, NY, 1994 – 1995
- Appointed to a 3 year term as Associate Editor, Information Systems for the Journal, Decision Sciences, December 1989
- Selected (w. D. O'Leary) to serve as liaisons between the American Association of Artificial Intelligence and the Business, Academic and Professional communities for AI business related activities, 1989
- Selected to the International Program Committee of the World Conference on Information Processing and Telecommunications (held in Seoul Korea, June 1989), one of 12 individuals worldwide
- Accounting Circle Faculty Scholar Award, 1982 and 1987
- Selected Representative of USC for the Price Waterhouse Professors Symposium, New York, NY, August 1986
- Selected Representative of USC for the Coopers and Lybrand Seminar on Expert Systems, New York, NY, August 1986
- Distinguished Visiting Faculty, Ph.D. Consortium, American Accounting Association, Tahoe City, CA, August 1985
- Visiting Faculty Member, New Faculty Consortium, American Accounting Association, Chicago, IL, March 1985
- GSBA Faculty Scholar Research Award, Summer 1985
- Recipient of The Institute of Management Science Roundtable Award for Artificial Intelligence in Management, November 1984
- Chair of the Dissertation, which won the Tax Section Best Dissertation Award of the American Accounting Association, August 1984
- Member, Selection Committee for Notable Contributions to Accounting Literature of the American Accounting Association, 1982 - 1983

- Selected Representative of USC for the Price Waterhouse Professors Symposium on Auditing, New Orleans, LA, August 1983
- Top Professor Award, USC Baptist Student Union, 1982
- Selected Representative of USC for the Peat Marwick Mitchell Research Opportunities in Auditing Symposium, Dallas, TX, May 1981
- Selected Representative of USC to attend the 6th Annual Accounting Research Convocation University of Alabama, November 1980
- Selected Representative of USC at the First Management Accounting Research Symposium, sponsored by the National Association of Accountants, Palo Alto, CA, May 1980

UNIVERSITY TEACHING & CURRICULUM DEVELOPMENT SUMMARY

CALIFORNIA INSTITUTE OF ADVANCED MANAGEMENT

MBA COURSES

- Advanced Entrepreneurship
- Management of Advanced Information System

TRIDENT UNIVERSITY

PHD COURSES

- Research Methods
- Advanced Research Methods
- Dissertation Seminar
- Seminar in Accounting Research
- Seminar in Information Systems Research

MASTERS COURSES

- 5 Different Courses in Information Technology Management
- Accounting for Managers
Management Control Systems

UNDERGRADUATE COURSES

- 16 Computer Science Courses - Developed and Taught
- 6 Courses in Information Technology Management

UNIVERSITY OF SOUTHERN CALIFORNIA

PHD COURSES

- Doctoral Seminar in Research Statistics
- Doctoral Seminal in Advanced Research Statistics
- Doctoral Seminar in Cognitive Science
- Doctoral Seminar in Artificial Intelligence
- Doctoral Seminar in Behavioral Research in Management and Accounting
- Doctoral Seminar in Auditor Judgment

MBA & MASTERS COURSES

- Management Control Systems
- Advanced Information Systems Technologies
- Management and Accounting Information Systems
- Expert Systems for Managers
- Cost Accounting
- Managerial Accounting

UNDERGRADUATE COURSES

- Principles of Managerial Accounting
- Computer Information Systems

ARIZONA STATE UNIVERSITY

UNDERGRADUATE COURSES

- Introduction to Financial Accounting
- Introduction to Management Accounting
- Cobol Programming
- Management Information Systems

UNIVERSITY SERVICE

TUI UNIVERSITY

- Academic Council – 2003 – 2011
- Council of Academic Deans – 2007 – 2009
- Middle States Accreditation – report preparations and interviews
- WASC Re-accreditation – various activities, including report, and proposal generation, interviews, workshops, and most activities involving the reaccreditation process 2005 - present.

UNIVERSITY OF SOUTHERN CALIFORNIA (USC)

- Director, Computer Resources, Leventhal School of Accounting, 1983 - 1998
- Member, Dean's Advisory Task Force on Information Technologies, 1997 - 1998
- Chair, Assessment Committee, Leventhal School of Accounting, 1997 - 1998
- Chair, Leventhal School of Accounting, Honor Code Council Oversight Board, 1997 - 1998
- Numerous Peer Evaluation Group Committees, both as Member and as Chair, 1986 - 1998 (both in Business School and the University)
- Member Academic Standards Committee, Marshall School of Business, 1996 - 1997
- Chair, Academic Standards Committee, Leventhal School of Accounting, 1995 - 1997
- Graduate School Advisory Council, Fall 1992 Spring 1993
- Member Faculty Senate, Fall 1992 Spring 1993
- Member, The Accounting Circle, 1979 - 1992
- Member GSBA Technology Task Force Committee, 1992
- Member University Teaching Library Task Force, 1990 - 1991
- Member, University Task Force on Mainframe Computing, 1990
- Member, GSBA Computer Committee, 1978 - 1989
- Member, 2nd Year MBA Track Committee, 1989
- Member, Distance Committee, 1989
- Member, GSBA Building Committee, 1988 - 1989
- Coordinator, USC Accounting Faculty retreat presentation on Microcomputers in Accounting, May 1983 - 1988
- Ad Hoc Member, School of Business Personnel Committee, 1987
- Member, Business School Task Force to evaluate the Learning Support Center, 1987
- Member, Special University Task force charged with proposing academic research oriented computer enhancements at USC, 1982 - 1987
- Member, University Committee on Academic Computing, 1980 - 1986
- Member, Business School Task force on Information Technologies in Business, 1985
- Panel Discussant for GSBA New Faculty Orientation, 1983 - 1985
- Member, Task force to draft proposal to IBM for Information Resource Management Grant for GSBA
- Represented USC at the Arthur Young Professors Symposium on Micro-computing, Reston, VA, May 1983
- Representative of the GSBA to the University in support of a proposal developed for IBM, which became the Project Socrates Program
- Represented USC at the SCAD (Audit Simulation Program) at the American Accounting Association Meeting in New Orleans, LA, August 1983
- Qualifying Exam Coordinator, Ph.D. in Accounting, 1980 - 1981
- Member of various School of Accounting Committees:
 - Doctoral Committee
 - Center for Accounting Research
 - Research Advisory

- Professional Programs
- Curriculum Revision
- Library Committee
- Computer Committee
- SOA Technology and Technology Center Committees
- 3rd, 4th & 5th Year New Accounting Curriculum Committees

EXECUTIVE EDUCATION ACTIVITIES

- Artificial Intelligence in Business, Finance and Accounting Two-Day Workshop, STAN, Jakarta, Indonesia, January 1991 (w. D. O'Leary)
- Expert Systems in Accounting Workshop, Southeast Asia Teachers of Accounting Conference, Jakarta, Indonesia, January 1991 (w. D. O'Leary)
- Topics for Research in Applied Artificial Intelligence Workshop, American Accounting Association National Meeting, Toronto, Canada, 1990 (w. D. O'Leary)
- Integrating Expert Systems into Accounting Curriculum and Research Workshop, American Accounting Association National Meeting, Toronto, Canada, 1990 (w. D. O'Leary)
- Introducing Expert Systems to the Accounting Curriculum Workshop, American Accounting Association National Meeting, Kona, Hawaii, 1989 (w. D. O'Leary)
- Issues in Advanced Applied Artificial Intelligence Workshop, American Accounting Association National Meeting, Kona, Hawaii, 1989 (w. D. O'Leary)
- Expert Systems in Accounting and Taxation, Accounting Circle Development Seminar, USC, Fall 1988 (w. D. O'Leary)
- Introduction to Expert Systems in Accounting, Workshop, American Accounting Association National Meeting, Orlando, FL, August 1988 (w. D. O'Leary)
- Advanced Expert Systems Workshop, American Accounting Association National Meeting, Orlando, FL, August 1988 (w. D. O'Leary)
- Program Manager, USC CMA Review Program, 1981 – 1983 and 1986 1987
- Instructor, USC CMA Review Program, 1978 - 1987
- Expert Systems in Accounting, Workshop, USC, May and December 1987
- Expert Systems in Taxation Workshop, Peat Marwick Mitchell, Washington, D.C., May 1987
- Expert Systems in Accounting Research and Education Workshop, American Accounting Association National Meeting, Cincinnati, OH, August 1987 (w. D. O'Leary)
- Expert Systems in Taxation, Peat Marwick Mitchell, New York, NY, July 1986
- The Microcomputer Revolution and Its Potential Impact on Accounting, Accounting Circle Professional Development Seminar, September 1983
- Cost Accounting Systems for Improved Cost Control in Savings and Loans, Institute for Financial Education, Chicago, IL, July 1983
- Cost Accounting and Budgeting for U.S. Savings Loan Associations, Institute for Financial Education, Dallas, TX, June 1982
- Instructor, USC CPA Review Program, 1978 1981

- Reviewer for various book publishers: Prentice Hall, Harper & Row, McGraw Hill, John Wiley, Wadsworth & Brooks Cole, Holden Day and others

PROFESSIONAL PRESENTATIONS

- Assessment Measures for Curriculum Effectiveness, USC Board of Advisors Meeting, Santa Monica, CA, February 1998
- Software Engineering for the 90's and Beyond, Korean Airlines, Senior Executives, Los Angeles, CA, July 1995
- Internet Collaboration with Advanced Groupware, USC Board of Advisors Meeting, February 1996
- Information Systems Trends and Prognosis for the 1990's, NTIS Japanese Study Group, November 1990
- Office Technologies of the Future, NOMA Japanese Study Group, USC, November 1990
- Strategic Information Systems in the USA, NOMA Japanese Study Group, USC, June 1990
- Expert Systems for Finance, Los Angeles Chapter of the Financial Executives Institute (FEI), Los Angeles, CA, May 1990
- Intelligent Technologies in Finance, Japanese Technology Transfer Delegation, USC, February 1990, (w. D. O'Leary)
- Decision Support Systems and Expert Systems in USA Business Firms, Japanese Technology Transfer Delegation, USC, November 1989
- Expert Systems and the Controller, Southern California CMA Annual Meeting, Ventura, CA, September 1989
- Expert Systems for Management Accounting, Orange County Chapter of the National Association of Accountants, January 1989
- The Maturation of the Micro Computer Revolution in the USA, Presentation made to the Japanese Business Delegation, March 1989
- The Expert Systems Program at USC, Board of Advisers Meeting, November 1988
- Expert Systems in Internal Auditing, Western Regional Meeting of the Institute of Internal Auditors, September 1987
- Expert Systems Program at USC, Board of Advisers Meeting, November 1987
- The USC Experience in New Technology in Accounting Curricula, Coopers and Lybrand Seminar, USC, February 1986
- Expert Systems, Will they Assist Me or Replace Me?, Keynote Presentation, National AICPA Computer Workshop, Blacksburg, VA, September 22-26, 1986
- Applied Expert Systems in Public Accounting and Business, Keynote Presentation made at the Moores Rowland International Conference, San Francisco, CA, October 10, 1986
- State of the Art of Computing in U.S. Business and Educational Institutions, Presentation to Japanese Business Delegation at USC, March 1985
- Networking and Integration of Microcomputers into an Educational Environment, Presentation to Japanese Business Delegation, USC, October 1985

- Expert Systems in Accounting, Board of Advisers Meeting, November 1985 (w. G. Holstrum, & T. Mock)
- Microcomputers: The USC Experience, Coopers and Lybrand Curriculum Development Seminar, September 1984
- Integration of Micros into the SOA Curriculum, Board of Advisers Meeting, November 1984
- Technology Impact Upon USC Accounting Curriculum, Board of Advisers Meeting, November 1983
- Information Systems Technology Needs for the USC School of Business, Presentation at the IBM Foundation in Support of Project Socrates grant proposal, May 1983
- Micro-computing in Research and Accounting, Japanese Business Group, USC, March 1983

COMMUNITY SERVICE

- Finance Chair, Rancho Santa Margarita District, Desert Pacific Council, Boy Scouts of America, 1999
- Program Chair, El Camino Real District, Orange County Council, Boys Scouts of America, 1991 - 1998
- Chair, USC Student Volunteers to Small Businesses in Watts, CA, 1992 - 1993

PROFESSIONAL CERTIFICATION

Certified Management Accountant (CMA)

PROFESSIONAL ASSOCIATIONS

- Member American Accounting Association (AAA)
- Member American Association for Artificial Intelligence (AAAI)
- Member Association for Computing Machinery (ACM)
- Member Decision Sciences Institute (DSI)
- Member Institute for Management Science (TIMS)
- Member Institute of Electrical, Electronic Engineers (IEEE)
- Member Judgment/Decision Making Association
- Member Classification Society

NON-ACADEMIC LEADERSHIP EXPERIENCE

- Member, Board of Directors, Uniting Families Foundation. 2000 - 2002
- Executive Director, Uniting Families Foundation. 2000
- President, Decision Systems Support, Inc., 1984 – 1998 (developed & marketed PC Statistics Software)
- Principal Architect and CEO, The Ultimate Lodging Guide, (Internet dot.com). 1999 - 2003
- Senior Vice-President of Technology and Operations, Retaillabs, LLC, (POS and Intranet based Decision Support Systems) 1998 - 2000

- Consultant to Top Flight Design Studio, Sundance, UT, 1997-1998
- Consultant to the Hanjin Group (one of the world's largest transportation conglomerates based in Korea, parent of Korean Air Lines), (software engineering for major technology restructuring). 1997
- Consultant to Computax Corporation, Los Angeles, CA, (developed various expert systems prototypes and consulted in Advanced Information Technology integration) 1987 – 1991
- Consultant to Peat Marwick Mitchell, (Headquarters – Executive Offices) New York, NY, (developed and presented workshops in Expert Systems Development in Tax Practice, Consulted on Expert Systems Development). 1986 – 1991
- Consultant to the Institute for Financial Education, Chicago, IL, (developed and presented workshops for Savings and Loan Associations on Cost Accounting and Budgeting) 1982 - 1989
- Vice President, O'Sullivan and Woodside Publishing Co., (International book publisher). 1974 - 1976
- Controller, O'Sullivan and Woodside Publishing Co., (accounting and information systems responsibility). 1973 1974
- Manager, Systems Division, Associated Graphics & Communications. (responsible for all information systems) 1972 1973
- Branch Manager, Arizona Branch, Varityper Division of AM International (Fortune 200 company), Computer Systems 1971 - 1972