Dr. Robert M. Barker, PhD.
Associate Professor and Chair of Computer Information Systems
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EDUCATION

May, 1992: Ph.D.: Syracuse University; Management Information Systems. Thesis Area: End User Computing and Job Motivation and Satisfaction.

1985: MBA: Miami University, Concentration Area: Organizational Behavior

1983: BBA: Saint Francis College, Dual Major in Management and Marketing

TEACHING EXPERIENCE

August 1, 2010 to Present: University of Louisville. **Chair: Department of Computer Information Systems**.

July 1, 1997 – July 31, 2010: University of Louisville. **Associate Professor of Computer Information Systems**.

January 1, 1992 – June 30, 1997: University of Louisville. **Assistant Professor of Computer Information Systems**

Responsible for: coordinating over 90 courses of undergraduate and MBA instruction annually. Developed four new courses, past coordinator for introductory foundation class for all business majors. Developed materials for systems analysis and design curriculum; management of information systems course; and course coordinator for the introduction to computer information systems course, 5 sections per semester. Designed MBA core class for main campus, and a shortened module for the University of Louisville Hong Kong and Singapore program for delivery abroad. Taught Management of Information Technology module, Singapore MBA five times; Panama City, Panama four times; and in Athens, Greece MBA seven times. MBA program coordinator for the joint University of Louisville / Haages Hogeschool MBA program at the Hague, Netherlands. Member of program team for Executive BSBA, Singapore MBA, Hong Kong MBA, Panama City (Panama) MBA and Athens (Greece) MBA. Successfully chaired ten faculty search committees.

1987-1991 Syracuse University. **Teaching Assistant**, Quantitative Methods. Responsible for 4 sections of advanced MIS topics for undergraduate majors, including exams, lessons and assignments. Also taught introductory MIS class and MIS lab recitations.

1985-1987 Miami University. **Visiting Instructor**. Responsible for 8 sections of introductory MIS class, 45 students per section. Responsible for MIS library of course materials and texts.

COURSE EXPERIENCE

DSC 101 Introduction to Management Information and Decision Support Systems (Miami)
QUM 255 Management Information Systems (Syracuse)
QUM 335 Computer Based Information Systems (Syracuse)
MGMT 311 Management Information Systems (Louisville)
MGMT 312 Systems Analysis and Design (Louisville)
MGMT 410 Management of Information Systems (Louisville)
MGMT 675 Management Information Systems (Louisville)
CIS 300 Computer Information Systems (Louisville)
CIS 320 Computer Systems Analysis and Design (Louisville)
CIS 320 Computer Systems Analysis with UML (Louisville)
CIS 410 Management of Information Systems (Louisville)
CIS 481 Introduction to Information Security
CIS 490 Strategic Information Systems (Louisville Executive BSBA)
CIS 675 Strategic Management Information Systems (Louisville)
MBA 668 Managing Information Technology in a Digital Economy

UNIVERSITY / COLLEGE SERVICE

University Faculty Grievance Committee (4 years)
Chair, University Faculty Grievance Committee (2 Years)
University Faculty Senate (5 terms)
University FACACIT Committee (2 years)
Academic Technology Committee (2 Years)
Academic Program Committee, Faculty Senate
Executive Committee, Faculty Senate
Louisville Information Technology Advisory Committee
Undergraduate Studies Committee, College of Business
Executive Leadership Team member, College of Business
College of Business, Grievance Committee (1 Year)
College of Business, Personnel Committee (1 Year)
Chair, Department of CIS Search Committee (Chaired 8 successful searches)

CONSULTING ACTIVITIES

August 2000 to 2002. Evaluation of Leads Evaluation and Distribution Systems (LEADS) in the Army Recruiting Information Support System (ARISS); Grant from the US Army Recruiting Command, Ft. Knox, KY.

September 2000 to January 2001. Prepared and delivered training of Requirements Analysis, Documentation and Reporting for the Kentucky Higher Education Student Loan Corporation.

May 2000 to October 2000. Lightyear, Incorporated. Research, analysis and restructuring report for the IT function within Unidial, Inc. (now Lightyear). Prepared Information Systems Department Realignment study; participated in research and evaluation of and recommendation report for Enterprise Application Integration software; and data warehouse and reporting tool evaluation. Reported directly to CIO and CTO of Lightyear.

August 1987 Dayton Rubberseal Teknol. Developed and installed inventory and pricing system.

RESEARCH

REFEREED JOURNAL ARTICLES AND BOOK CHAPTERS

"Information Systems Development in a Global Environment". Business Forum, Winter/Spring, Vol. 18, no. 1&2, (1993). Pp. 57-60.

"The Interaction Between End User Computing Levels and Job Motivation and Job Satisfaction: An Exploratory Study". Journal of End User Computing. Vol. 7, no. 3. (1995).

"The Legal Implications of Electronic Document Retention". Business Horizons. May/June (1995). Pp. 51-56. (With G. Davis)

"Legal Liability and E-Mail". Journal of Systems Management. March/April (1995). Pp. 18-23. (With C. Hammond).

"The Bottom-up Mission Process In Professional Service Organizations: A Case Study". Journal of Strategic Change. (With S. Magill, S. Johnson and J. Bracker) 1995.

"E-mail Issues". Internal Auditor. August (1995). Pp. 60-63. (With J. Karcher and N. Meade)

"Document Retention". Internal Auditor. (June, 1996). (With J. Karcher).

"The Bottom-up Mission Statement: A Competitive Strategy for the Mid-sized Accounting Firm" The CPA Journal. (June, 1997). (With S. Magill, S. Johnson and J. Karcher). Pp. 36-40.

"A Comparison of The Ability of Neural Networks and Logit Regression Model to Predict Levels of Financial Distress". Systems Development Methods for the Next Century. (Plenum Press: New York). 1997. (With J. Zurada, B. Foster, and T. Ward.)

"An Empirical Test of the Relative Ability of Neural Networks and Logit Reression Models to Predict Dichotomous and Multi-State Financial Distress Variables". Journal Of Applied Business Research. 1998. (With J. Zurada, B. Foster, and T. Ward.) vol. 15, no. 1, pp. 21-29

"Tools for Systems Development". Chapter Three in the Fourth Edition of Handbook for Industrial Engineers. Written with Brian Dos Santos, Clyde Holsapple, William Wagner and Andrew Wright. (Wiley Interscience: New York) 2001

"The Strategic Imperative for an Integrated Enterprise", International Business and Economics Research Journal, with Jeff Guan. Volume 1, no. 6. 2002 Pp. 1-6.

"Can Computers Motivate? The Association Between End User Computing Levels, Job Motivation, and Core Job Characteristics: A Field Study". Review of Business Information Systems. Vol. 6, no. 3. 2002 pp. 29 – 41. Written with Andrew Wright.

"Sales Force Automation Acceptance: An Exploratory Study of the Role of Job Experience." Journal of Applied Business Research Vol. 20, no. 3. 2004. pp. 103 – 114. Written with Jian Guan, Stephen Gohmann and David Faulds.

"Sales Force Automation, Information Accuracy & User Satisfaction", Journal of Business and Industrial Marketing. 2005. Vol. 20, No. 1, pp. 23 – 32. Written with Jian Guan, Stephen Gohmann and David Faulds.

"Perceptions of Sales Force Automation: Differences between Sales Force and Management" Industrial Marketing Management. 2005. Vol. 34. pp. 337-343. Written with Jian Guan, Stephen Gohmann and David Faulds.

"Sales Force Automation Systems: The Correspondence between the Perception of Productivity Gains and the Perception of Management Control among Salespeople," Review of Business Information Systems. 2007. Vol. 11, no. 2. pp. 1-10. Written with Jian Guan, Stephen Gohmann and David Faulds.

"Using Memory-Based Reasoning for Predicting Default Rates on Consumer Loans" Review of Business Information Systems. 2007. Vol. 11, no. 1. pp. 1-16. Written with Jozef Zurada.

"Why is My Sales Force Automation System Failing?" Business Horizons. 2009. Vol. 52, no. 3. pp. 233-242. Written with Jian Guan, Stephen Gohmann and David Faulds.

"The Legal Implications of Electronic Document Retention: Changing the Rules".
Business Horizons. 2009. Vol.52, no. 2. pp. 177-186. Written with Julia Karcher and
Andrew Cobb.

"Requirements Bias: An Agency Theory Explanation for sales Force Automation
Implementation Success". Communications of the ACM. 2010. Vol. 53, no. 6. Written
with Jian Guan, Stephen Gohmann and David Faulds.

"The Internal Auditor's Role in Document Retention in an Instant Messaging World".
Internal Auditor. 2010. April. pp. 52-55. Written With Julia Karcher. (Winner, John
Thurston Award, International Association of Internal Auditors).

"Global Analysis Of Security And Trust Perceptions In Web Design For E-Commerce."
International Journal of Information Security and Privacy. 2012. Vol. 6, no. 1. pp. 1-13.
Written with S. Srinivasan.

"Requirements Fulfillment: A Missing Link between Requirements Determination and
User Acceptance." Information Systems Management. 2013. 22 Jan. pp. 63-74. Written
with Stephan F. Gohmann, Jian Guan, and David J. Faulds

"Global Health Initiative: Challenges with the Management of a Vaccine and
International Health and Travel Clinic". Research poster, 2014. Barker, R. , Britton, J.,
Carrico, R. et al.

RESEARCH REPORTS

An Analysis Of The Leads Portion Of ARISS: A User Satisfaction Survey. Research
Report for United States Army Recruiting Command, Ft. Knox, Kentucky. April, 2002.
Written with Jian Guan, Stephen Gohmann and David Faulds.

REFEREED INTERNATIONAL PROCEEDINGS

"Impact and Implications of Computer Mediated Workgroups". Proceedings of 1990
Pacific Telecommunications Council Meeting.

"Electronic Mail and Legal Liability: A Company Policy Perspective". Proceedings of the
Information Resources Management Association International Conference. May, 1994.
(With C. Hammond)

"Development Issues in a Global Marketing Decision Support System". Proceedings of
the 1995 International Association of Computer Information Systems. (1995) (With J.
Guan and R. Horack)

"A Planning Model for a Global Marketing Decision Support System and Its
Implementation". Proceedings of the 1995 International Association of Computer
Information Systems. (1995). (With J. Guan and R. Horack).

"A Comparison of the Ability of Neural Networks and Logit Regression Models to Predict Levels of Financial Distress". 1997 Meeting of Conference on Information Systems Development. (With J. Zurada, B. Foster, and T. Ward)

"The Strategic Imperative for an Integrated Enterprise", 2001 International Applied Business Research Conference.

REFEREED NATIONAL PROCEEDINGS

"Stress and End User Computing". 1988 Proceedings of Human Resource Management and Organizational Behaviour Conference. (With Herman Hoplin)

"Can End User Computing Motivate? Examining the Technology and Task Redesign." 1990 Proceedings of Human Resource Management and Organizational Behavior. (With Herman Hoplin)

"Converging Concepts - Database and Local Area Networks: A Microcosm of the Future". Proceedings of the 1990 TITE. (With Herman Hoplin)

"A Menu Driven Nonparametric Modeling System for the Microcomputer". Proceedings of the 1990 National Meeting of the Decision Sciences Institute.

"The Association Between End User Computing Levels and Job Satisfaction and Motivation". 1992 Proceedings of Association for Computing Machinery Special Interest Group in Computing Personnel.

"End User Computing, Job Motivation, and User Perceptions of Computing Outcomes: An Exploratory Study". 1997 Proceedings of the Meeting of the Association for Computing Machinery Special Interest Group in Computer Personnel. (With A. Wright)

"A Comparison of the Ability of Neural Networks and Logit Regression Models to Predict Levels of Financial Distress". Abstract published in 1997 Allied Academies National Conference: Accounting Track. (With J. Zurada, B. Foster, and T. Ward)

 "Sales Force Automation Acceptance: An Exploratory Study of the Role of Job Experience". Abstract in 2004 ISOneWorld Conference proceedings.

"Sales Force Automation, Information Accuracy & User Satisfaction", Abstract in 2004 ISOneWorld Conference proceedings.

REFEREED REGIONAL PROCEEDINGS

"Culture and The Application of End User Computing". Proceedings of the 1989 Midwest Decision Science Institute.

"End User Computing and the Task: The Paradox of Task Redesign". Proceedings of the 1990 Northeastern Decision Sciences Institute.

INVITED PRESENTATIONS

"End User Computing Levels, Job Core Characteristics and Experienced Work Outcomes" to Department of Decision Sciences, College of Business, National University of Singapore, 2000

"The Strategic Imperative for An Integrated Enterprise: Architectural Choices" to Department of Decision Sciences, College of Business, National University of Singapore, 2002

TECHNICAL SKILLS

Microsoft Office Suite – Word, Excel, Powerpoint and Access
Waterloo BASIC
Microsoft Windows 3.1, 95, and NT
Microsoft Visual C++
VM/CMS
SAS, SAS / PC, XPSS / PC
SQL
Oracle
Html Authoring using Dreamweaver, Netscape Composer, MS Frontpage and MS Dreamweaver
Internet Assistant
Rational Rose
Visio

HONORS AND AWARDS

University of Louisville Faculty Favorite Nomination (5 years)
College of Business Faculty Excellence Award (2008-2009)
1996 Outstanding Contributor, Internal Auditor
Syracuse University Graduate Teaching Fellow
Syracuse University Academic Scholarship
General Electric Graduate Fellowship
1991 DSI Doctoral Consortium
Syracuse University Summer Teaching Fellowship
Miami University Graduate Academic Grant
Miami University Graduate Fellowship
Who's Who In American Colleges and Universities (1983)
American Registry of Outstanding College Graduates (1983)

FACULTY DEVELOPMENT ACTIVITIES

Faculty Development In International Business, Summer 1992, University of South Carolina

Supporting the Advanced Microsoft NT Workstation, Summer 1996, Microsoft Certified Training