

Reviewer Acknowledgements

We at the *MIS Quarterly* would like to thank the many excellent reviewers who have volunteered their time and expertise to make this an outstanding journal in the field. Their dedication has allowed us to bring you quality articles in a timely manner.

Robert B. Adams
Director, Information Systems
Buckeye Pipe Line Co.
Emmaus, PA

Corbett L. Alley
Vice President, Information Systems
Baptist Hospitals
Phoenix, AZ

Robert M. Alloway
Professor
Lexington, MA

James F. Anderson, Jr.
Senior Consultant
Arthur Andersen & Company
Minneapolis, MN

Gad Ariav
Computer Application & Info. Systems
New York University
New York, NY

James Bailey
Associate Professor
Industrial Engineering Department
Arizona State University
Tempe, AZ

Leslie D. Ball
Wellesley, MA

Martin Bariff
Associate Professor
IRM
Illinois Institute of Technology
Chicago, IL

Jack Baroudi
Assistant Professor
CAIS Department
New York University
New York, NY

Robert Barrett
Chairman, Computer Technology
Indiana-Purdue University
Fort Wayne, IN

William Bearley
Associate Professor
University of LaVerne
LaVerne, CA

Jack D. Becker
Assistant Professor
Management Information Systems
University of Missouri
St. Louis, MO

Jesse L. Bemley
Computer Specialist
Drug Enforcement Administration
Washington, DC

Alberto M. Bento
Associate Professor of Information Systems
Bentley College
Waltham, MA

Michael C. Berstene
Hartford, CT

Fred L. Bierly
Computer Science Coordinator
Penn State University
University Park, PA

J. D. Birkhahn
Managing Director, Operation Analysis
ISS
Weston, CT

John T. Bollinger
Group Director, DP
IMS America, Limited
Ambler, PA

J. L. Boockholdt
Associate Professor
Department of Accountancy
University of Houston
Houston, TX

George Brabb
Professor
College of Business
Illinois State University
Normal, IL

Warren G. Briggs
Professor
School of Management
Suffolk University
Boston, MA

Kathy Brittain White
Assistant Professor
School of Business
University of North Carolina
Greensboro, N.C.

George Brophy
Vice President, DP Operations Group
Connecticut National Bank
Hartford, CT

Thomas Browdy
Assistant Director
Center for the Study of Data Processing
Washington University
St. Louis, MO

Robert Browne
Con Edison
New York, NY

Donald Burkhard
Assistant Professor
University of Virginia
Charlottesville, VA

Lee T. Cahill
Manager, HRMIS
International Paper Co.
New York, NY

Terry L. Campbell
Director, Management Institute
College of Business Admin.
University of Central Florida
Orlando, FL

Ken Canham
Manager
MIS Consulting
White Plains, MN

Norman Carter
Studio City, CA

William Cats-Baril
Assistant Professor
School of Business
University of Vermont
Burlington, VT

Norman Chervany
Professor
Department of Management Science
University of Minnesota
Minneapolis, MN

Arthur E. Chester
Director, MIS
Itek Corporation
Rochester, NY

W. Jeff Clark
Lecturer in Management
Indiana University Northwest
Gary, IN

Thomas Clark, Jr.
Associate Professor
Department of Management
Florida State University
Tallahassee, FL

Robert J. Conroy
Director, Corporate MIS
Owens Corning Fiberglas
Toledo, OH

Barnet C. Corwin
Director, Information Services
Merrill Lynch Relocation Management Inc.
White Plains, NY

Peter M. Crowell
Director of Corporate I.S.
Josephson International Inc.
New York, NY

Bruce G. Curry
VP, MSS
Hertz
New York, NY

John Dacey
President
Dacey & Associates
Cambridge, MA

Raymond Dash
Sr. Vice President
Information Systems
Benefit Trust Life Insurance
Chicago, IL

Donald L. Davis
Associate Professor of MIS
Management Department
University of Mississippi
University, MS

Charles Davis
Manager
Deloitte Haskins & Sells
Houston, TX

Gerardine DeSanctis
Assistant Professor
Department of Management Sciences
University of Minnesota
Minneapolis, MN

Charles D. Decker
Decision Support Manager
GTE Data Services
Tampa, FL

Mark Derr
Director, MIS
System Development Corporation
McLean, VA

Al Dexter
Associate Professor
Faculty of Commerce and Bus. Admin.
University of British Columbia
Vancouver, B.C., CANADA

V. Thomas Dock
Maui, HI

William J. Doll
Professor of Management
University of Toledo
Toledo, OH

Alan F. Dowling, Jr.
Assistant Professor
Case Western Reserve University
Cleveland, OH

Harry F. Downing, Jr.
Director of Data Processing
and Management Information Systems
Nationwide Insurance Company
Columbus, OH

Les Drager
Manager, Planning and Security
Northern States Power
Minneapolis, MN

D. H. Drury
Associate Professor of Acct. & Info. Syst.
Montreal, Quebec, CANADA

Uldarico Rex Dumdum, Jr.
Lecturer
School of Management
State University of New York
Binghamton, NY

Russell W. Dych
Manager Project Management
Scott Paper Company
Philadelphia, PA

Charlene Dykman
President
Integrated Systems Implementation Specialists
Houston, TX

C. Robert Eckman
Systems Consultant
International Playtex, Inc.
Dover, DE

Omar El Sawy
Assistant Professor
Graduate School of Business Administration
University of Southern California
Los Angeles, CA

Lance B. Eliot
Professor
Long Beach, CA

Pierce Ennessy
President
Computer Security Group
Highland Park, IL

Thomas F. Farrell
Information Systems Manager
Getty Oil Company
Tulsa, OK

Paul H. Farseth
Senior Systems Analyst
Minnesota Department of Welfare
St. Paul, MN

Norman Fastenberg
Senior Vice President
Swiss Reinsurance
New York, NY

Jane Fedorowicz
Assistant Professor
Kellogg Graduate School of Management
Northwestern University
Evanston, IL

Thomas W. Ferratt
Visiting Associate Professor
Operations and Systems Management
Department
Indiana University
Bloomington, IN

John Field
Vice President, Data Processing
St. Paul Fire and Marine
St. Paul, MN

James Flenniken
Director, Information Systems
Copperweid Corporation
Pittsburgh, PA

Don Fogarty
Professor of MS
Southern Illinois University
Edwardsville, IL

Ken Fordyce
Internal Consulting
IBM
Poughkeepsie, NY

Fred Forman
Vice President
American Management Systems, Inc.
Arlington, VA

Lon Fornelli
Chicago, IL

Charles R. Franz
Assistant Professor
University of Missouri-Columbia
Columbia, MO

M. C. Freeman
Clifton, NJ

Charles Friday
Director, Systems Planning
NYS Department of Social Services
Albany, NY

William L. Fuerst
Price Waterhouse
Dallas, TX

Diane Furgeson
Manager, Information Services and Planning
Portland General Electric
Portland, OR

Dennis Galletta
Instructor
Graduate School of Business
University of Pittsburgh
Pittsburgh, PA

Les Gasser
Research Associate
Public Policy Research Organization
University of California, Irvine
Irvine, CA

Ron Gehler
Senior Business Systems Consultant
Farm Credit Services
St. Paul, MN

Harvey S. Gellman
President
Gellman, Hayward & Partners Ltd.
Toronto, Ontario, CANADA

Harry L. Gibson
Professor
MSIS Department
Colorado State University
Fort Collins, CO

Virginia Gibson
Assistant Professor
College of Business Administration
University of Maine
Orono, ME

Michael Gibson
Assistant Professor
Department of Computer-Based Info Systems
North Texas State University
Denton, TX

Michael J. Ginzberg
Associate Professor
The Weatherhead School of Management
Case Western Reserve University
Cleveland, OH

John P. Glaser
Arthur D. Little
Cambridge, MA

John Gochenouer
Palm Bay, FL

John Golden, Jr.
Director of Administration
Electro-Optics Division
Honeywell
Wilmington, MA

John T. Gorgone
Professor and Chair
Computer Info Systems
Bentley College
Waltham, MA

Paul Gray
Professor
Information Science Department
Claremont Graduate School
Claremont, CA

Sanford Guynup
Computer Systems Manager
Science Press
Ephrata, PA

R. Terry Haas
Manager, Customer Services
Air Products and Chemicals
Allentown, PA

Richard D. Hackathorn
Associate Professor
College of Business and Administration
University of Colorado at Denver
Denver, CO

Maurice Halladay
Assistant Professor
School of Management
Suffolk University
Boston, MA

Jay R. Hamann
Vice President, MIS
Schreiber Foods, Incorporated
Green Bay, WI

Scott Hamilton
Product Manager
MFG Software Corporation
Eagan, MN

William Harrison
Associate Professor
College of Business
Oregon State University
Corvallis, OR

Stewart Hazelton
Carlisle, MA

Stephen Hiller
Vice President, Information Systems
Leviton Manufacturing Company
Littleneck, NY

Jack T. Hogue
Assistant Professor
University of North Carolina-Charlotte
Charlotte, NC

Charles Hoke
Professor
Bethesda, MD

Steven Holland
President
AID
Oak Brook, IL

Joan E. Hoopes
Lecturer
School of Management
State University of NY
Binghamton, NY

William House
Professor
College of Business—222
University of Arkansas
Fayetteville, AR

Bob Howe
Vice President
Booz, Allen & Hamilton
Cleveland, OH

Martin P. Ivak
Oakbrook, IL

Blake Ives
Assistant Professor
Program in Computer and Information Science
Dartmouth College
Hanover, NH

Floyd Jamison
Northbrook, IL

M. V. Janulaitis
President
Los Angeles, CA

Paul Johnson
Professor
University of Minnesota
Minneapolis, MN

Wendell O. Jones
Colonel/Professor
U.S. Military Academy
West Point, NY

Louise Jones
Director, CISMER
College of Business Economics
University of Delaware
Newark, DE

Phillip A. Jones, Sr.
Associate Professor of Accounting
E. C. Robins School of Business
Richmond, VA

Hugh F. Juergens
North Oaks, MN

Albert Kai Toh
Arlington, VA

Kate Kaiser
Assistant Professor
School of Business
University of Wisconsin
Milwaukee, WI

Jahangir Karimi
University of Colorado at Denver
Denver, CO

Kirk R. Kanwan
Assistant Professor
Duke University
Durham, NC

George M. Kasper
Assistant Professor
College of Business Administration
Texas Tech University
Lubbock, TX

Kenneth R. Kasprzak
Manager, MIS Control
Owens-Corning Fiberglas
Toledo, OH

David Katch
Atherton, CA

Adolph Katz
Norwalk, CT

G. W. Keever
Assistant Director for Systems Development
ICI Americas Incorporation
Wilmington, DE

Kenneth E. Kendall
Associate Professor
University of Nebraska
Lincoln, NE

Walter Kennevan
Bethesda, MD

Steven O. Kimbrough
Assistant Professor
The Wharton School
University of Pennsylvania
Philadelphia, PA

James R. Kinney
Director of Information Services
General Foods Corporation
White Plains, NY

Kenneth A. Kozar
Indianapolis, IN

Kenneth L. Kraemer
Director
Public Policy Research Organization
University of California
Irvine, CA

James M. Kraushaar
Associate Professor
School of Business
University of Vermont
Burlington, VT

Stephen K. Kwan
Assistant Professor
College of Business Administration
Northeastern University
Boston, MA

Robert Landenberg
Manager, Management Information Systems
ISC Technologies, Inc.
Lancaster, PA

George C. Langston
Vice President, IS Division
J.P. Stevens & Co., Inc.
Greer, SC

Lawrence Laning
Cincinnati, OH

L. J. Lavigne, Jr.
Assistant Controller
Genentech
South San Francisco, CA

Albert Lederer
Graduate School of Business
University of Pittsburgh
Pittsburgh, PA

John D. Lees
Associate Professor
Department of Accounting and MIS
California State University
Chico, CA

Henry A. Lewis
Director
Soft Solution
Wayzata, MN

L. Floyd Lewis, II
Assistant Professor
Department of Decision Science
Western Washington University
Bellingham, WA

Eldon Y. Li
Associate Professor
Management Department
California Polytechnic State University
San Luis Obispo, CA

Chuck Litecky
Associate Professor
Business and Public Administration
University of Missouri
Columbia, MO

Mary E. S. Loomis
Vice President
D. Appleton Company, Inc.
Tucson, AZ

James Lowery
Management and Operations Analyst
Institutional Studies and Services
Birmingham, AL

Philip Lykaszak
Orland Park, IL

Norman Lyons
Associate Professor
Naval Postgraduate School
Monterey, CA

John C. Malley
Assistant Professor
Department of Management
University of Mississippi
University, MS

Edward A. Maltese
Manager, Systems Assurance
Schering-Plough Corporation
Madison, NJ

Robert I. Mann
Assistant Professor
Department of Management
The University of Georgia
Athens, GA

E. Nancy Markle
VP, Information Services
Federal National Mortgage Association
Washington, DC

M. Lynne Markus
Assistant Professor
Graduate School of Management
The University of California—Los Angeles
Los Angeles, CA

Thomas Martinetto
Pittsburgh, PA

Van Mayros
President
I-Systems Corporation
New Port Richey, FL

Carl McDevitt
Chairman, Department of Information Systems
Auburn University
Montgomery, AL

Gregory McHugh
Director, MIS Applications Development
Four Phase/Motorola
Cupertino, CA

J. L. McKenney
Professor
Harvard Business School
Boston, MA

Bill Mein
Professor
CMS-SOM
Clarkson College
Potsdam, NY

Patrick J. Mellett
Vice President
Oppenheimer & Co., Inc.
New York, NY

Roger Merrill
Manager, Systems Development
IDS
Minneapolis, MN

Alan G. Merten
Professor
The University of Michigan
Ann Arbor, MI

Donald G. Miller
Vice President
The First National Bank of Chicago
Chicago, IL

Theodore J. Mock
Professor
School of Business Administration
University of Southern California
Los Angeles, CA

Juan P. Montermoso
Applications Center Manager
Hewlett Packard
Palo Alto, CA

David Morgan
Director, Data Services
City of Dallas
Dallas, TX

Paul M. Morris
Manager, Computer Services
Northeastern University
Boston, MA

Gary C. Mouradian
MIS Consultant
Dart & Kraft
Northbrook, IL

Joanna D. Mulholland
Assistant Professor
Philadelphia College of Textiles and Science
Philadelphia, PA

I. Albert Napier
Professor
Graduate School of Business Administration
Rice University
Houston, TX

J. David Naumann
Assistant Professor
School of Management
University of Minnesota
Minneapolis, MN

Seev Neumann
Professor
Graduate School of Administration
University of California
Davis, CA

Jerry Newhouse
Director, Management Information Systems
Mead Johnson & Company
Evansville, IN

Fred Newpeck
Project Manager, Information Systems
Jewel Food Stores
Melrose Park, IL

Paul Nutt
Professor
Columbus, OH

Charles Paddock
Assistant Professor
Department of Decision & Information Systems
Arizona State University
Tempe, AZ

Andrew Palkovitz
Director, Information Systems Planning
American Express Company
New York, NY

Tom Pham
Research Manager
Sacramento, CA

Bruce M. Piepho
Systems Consultant
Woodbury, MN

Anthony Pizzelanti
Vice President
Information Systems
MacMillan Inc.
New York, NY

Joseph Podolsky
Information Systems Manager
Hewlett Packard
Palo Alto, CA

Kenneth A. Popp
Manager, Strategic Planning
Weyerhaeuser Company
Tacoma, WA

Grover L. Porter
Professor
University of Mississippi
University, MS

Dr. Pracht
Assistant Professor
College of Business Administration
Texas Tech University
Lubbock, TX

R. Leon Price
Professor
Division of Management
University of Oklahoma
Norman, OK

Robert H. Pry
Vice Chairman, Technology
Gould Inc.
Rolling Meadows, IL

Raul Pupo
National Steel Corporation
Pittsburgh, PA

Philip Pyburn
Assistant Professor
School of Management
Boston University
Boston, MA

Judith Quillard
Associate Director
Center for Information Systems Research
Massachusetts Institute of Technology
Cambridge, MA

Eugene J. Rathswohl
Assistant Professor
Business School
University of San Diego
San Diego, CA

Chuck Reichert
Manager, Membership/Financial Sys.
Kirke-Van Orsdel, Inc.
Des Moines, IA

Robert B. Rider
Director, Information Systems
Sun Chemical Corporation
Fort Lee, NJ

Robert S. Roberts
Assistant Professor
College of Business Administration
University of Oklahoma
Norman, OK

John F. Rockart
Director, CISR
Sloan School of Management, MIT
Cambridge, MA

Joseph P. Rodgers
Dean
Graduate School of Management
University of Dallas
Irving, TX

Gary Roodman
Professor
School of Management
State University of New York
Binghamton, NY

John J. Rooney
Professor
Monrovia, MD

Anthony J. Rotondi
Vice President, Systems
Western Life Insurance Company
Woodbury, MN

Robert A. Rouse
Associate Director
Washington University
St. Louis, MO

Alan J. Rowe
Professor
Department of Management
University of Southern California
Los Angeles, CA

C. S. Sankar
Assistant Professor
CIS Department
Temple University
Philadelphia, PA

Arthur Santoianni
Manager, Systems Development
NCR Corporation
Dayton, OH

Satya P. Saraswat
Associate Professor
Department of Information Systems
San Diego State University
San Diego, CA

George P. Schell
Assistant Professor
College of Business Administration
University of Tulsa
Tulsa, OK

John F. Schrage
Associate Professor
Management Info Systems
Southern Illinois University
Edwardsville, IL

George M. Scott
Head, Dept. of Information Management
University of Connecticut
Storrs, CT

Richard A. Scudder
Assistant Professor
University of Denver
Denver, CO

Arun Sen
Assistant Professor
Department of Management Science
University of South Carolina
Columbia, SC

Ashok Shenolikar
Principal Engineer
Harris Corporation
Syosset, NY

John M. Shiels
Belle Mead, NJ

Ronald Short
Supervisor, Database Development
Sperry Corporation
St. Paul, MN

Paul Shrivastava
Assistant Professor
Graduate School of Business Administration
New York University
New York, NY

Don Shump
Manager of Project Management
Scott Paper Company
Philadelphia, PA

Val Silbey
Department of Management
Florida International University
Miami, FL

Peter A. Silhan
Assistant Professor
Champaign, IL

Alvin Silver
A. Silver Associates
East Northport, NY

Brandon Simpson
Riverside, CA

Sumit Sircar
Associate Professor
Systems Analysis Department
University of Texas at Arlington
Arlington, TX

Gerald L. Smith
Director, Product Assurance
Computer Science Corporation
Falls Church, VA

Harry R. Smith
President
Ethno-Cybernetic Systems Inc.
Bozeman, Mt.

Charles A. Snyder
Associate Professor
Department of Management
Auburn University
Auburn, AL

William E. Spaulding
Professor
Information Systems Dept.
San Diego State University
San Diego, CA

J. Wayne Spence
COBA
North Texas State University
Denton, TX

Blair Y. Stephenson
Visiting Professor
Graduate School of Management
University of Dallas
Irving, TX

Thomas Strack
Atlanta, GA

Edward Tamm
Director, Information Systems
Cetus Corporation
Emeryville, CA

Kenneth Thompson
San Antonio, TX

Michael Thorsen
Director of Services
Tennant Company
Minneapolis, MN

Michael Treacy
Sloan School of Management
Massachusetts Institute of Technology
Cambridge, MA

Robert H. Trent
Professor of Commerce
McIntire School of Commerce
University of Virginia
Charlottesville, VA

Jon A. Turner
Assistant Professor
Graduate School of Business Admin.
New York University
New York, NY

Pat Tyrell-Smith
Business Computing Consultant
Aegis Information Systems, Inc.
Honolulu, HI

W. A. Ullrich
Manager, IM Strategic Planning
GTE
Stamford, CT

Morris H. Upper, Jr.
Orem, UT

Nicholas Vitalari
Assistant Professor
Graduate School of Management
University of California
Irvine, CA

Doug Vogel
Research Assistant
MISRC
University of Minnesota
Minneapolis, MN

Myles A. Vogel
Director, MIS
Becton Dickinson
Rutherford, NJ

Paul E. Vogelsang
Arthur Andersen & Co.
Milwaukee, WI

Caroline Wardle
Associate Professor
Computer Science Department
Boston University
Boston, MA

Hugh Watson
Director of MIS Programs
College of Business Administration
University of Georgia
Athens, GA

Ralph Waugh
Manager, Division Strategy Integration
Data Systems Group
Texas Instruments
Houston, TX

Michael West
Consultant
Information Services
Boston, MA

Bernard P. West, Jr.
President
Information Architects
Needham Heights, MA

Clint White
Assistant Professor
Accounting and MIS
Penn State University
University Park, PA

W. B. Williams
Vice President, MIS
ILC Data Device Corp.
Bohemia, NY

Lance Wilson
Director, Foods International
Land O' Lakes
Minneapolis, MN

John C. Windsor
Assistant Professor
Business Computer Information Systems
North Texas State University
Denton, TX

Lawrence F. Young
Associate Professor
College of Business
Drexel University
Philadelphia, PA

Anthony Ziemba
Director
Competitive Strategies
Hudson, NY

Richard Zultner
President
Zultner & Company, Inc.
Princeton, NJ

Proofreader Acknowledgements

The following Ph.D. students have provided considerable assistance in consulting and proofreading prior to publication. We would like to thank them for their dedicated service.

Keith Bellaires
University of Minnesota

Jim Brancheau
Research Assistant
MIS Research Center
University of Minnesota

Gernot Langle
University of Minnesota

Craig Roger
Research Assistant
MIS Research Center
University of Minnesota

Doug Vogel
Research Coordinator
MIS Research Center
University of Minnesota

Ronnie Wilkes
University of Minnesota