**Sept. 2023 REVISED**

 **MALCOLM CARLYLE MUNRO**

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**EDUCATION**

**Institution Field of Study Degree Date**

University of Minnesota Management Information PhD. 1974

Systems

University of Minnesota Management Information MS 1971 Systems

University of Saskatchewan Marketing B.Comm. 1969

(Honors)

**ACADEMIC**

2007 – Professor Emeritus, University of Calgary

1988 ‑ 2007: Professor, University of Calgary

1996 - 1997: Visiting Professor, University of Alicante, Spain

1988 ‑ 1989: Visiting Professor, University of Queensland, Australia

1976 ‑ 1988: Associate Professor, University of Calgary

1982 ‑ 1983: Visiting Research Professor, Ivey School, Western University

1974 ‑ 1976: Assistant Professor, University of Calgary

**HASKAYNE SCHOOL SERVICE APPOINTMENTS**

 Associate Dean (Planning and Development) July 1997 – June 1999

 Associate Dean (Research) January 1991 - June 1997

 Associate Dean (Academic) -1984 Acting

 Inaugural Director, Ph.D. Program (January 1991 - July 1994)

 Chairman, Scurfield Hall Building Committee (1982-86;1989-92)

 Chairman, Committee for Art in Scurfield Hall (September 1989 – June 1999)

 Chairman, Program Review Committee

 Director of Services and Facilities

 Chairman, Management Science and Information Systems Area

 Chairman, Guest Lecturers Committee

 Co‑ordinator, Capital Equipment Budget

 Computer Co‑ordinator

 Academic Appointment Review Committee (Tenure)

 Academic Standing and Appeals Committee

 Administrative Advisory Council

 Faculty Promotions Committee

 MBA (Thesis Option) Committee

 Ad Hoc Committee on Merit and Promotions Process

 Ad Hoc Committee on Recruiting Process

 Ad Hoc Committee on Revisions to the Faculty Handbook

**HONORS**

2007 - Appointed as *Fellow of the Association for Information Systems* at the International Conference on Information Systems, Montréal, Québec, December 9-12, 2007; "For outstanding contributions to the Information Systems discipline in terms of research, teaching and service."

**UNIVERSITY SERVICE APPOINTMENTS**

Member, Vice President's Committee on Allocation of Research Funding (1994)

General Faculties Council Budget Committee (1986‑1988) Position Allocation Committee (1987‑88)

Chairman – Scurfield Hall Building Committee (January 1982 ‑ January 1986), Scurfield Hall expansion July 1990-93.

Committee for Art in Public Spaces (subcommittee for Art in Scurfield Hall) (1984 ‑ 1988)

Joint Board of Governors ‑ Chamber of Commerce Committee on Business Education

 (1982‑83)

President's Advisory Search Committee (for position of Dean‑ Faculty of Management)

 (1981)

Chairman ‑ University Computer Services Committee (Appointed by General Faculties

 Council) (1978‑79)

**TENURE/PROMOTION REVIEWER**

University of Alabama

University of British Columbia

Clarkson College, Potsdam, N.Y.

Dalhousie University

University of Georgia

Ben Gurion University of the Negev, Israel

University of Haifa

City University of Hong Kong

University of Pittsburgh

Queen's University

Simon Fraser University

University of South Carolina

University of Southern California

St. Mary’s University

University of Texas - El Paso

University of Toronto

Technion-Israel Institute of Technology

University of Vermont

University of Victoria

University of Virginia

University of Western Ontario

York University

**EXTERNAL PROGRAM REVIEWER**

Saint Francis Xavier University, Antigonish, Nova Scotia

**ACADEMIC PULICATIONS**

 “Introduction to the AIS Code of Research Conduct”, Davison, R. Malcolm C. Munro and Detmar Straub, Communications of the Association for Information Systems (CAIS), January 2004, pp. 1-8

“AIS Code of Research Conduct”, Davison, R. Malcolm C. Munro and Detmar Straub, Communications of the Association for Information Systems (CAIS), January 2004, pp. 9-17, <http://mgis.mgmt.ucalgary.ca/ais/cofc.htm>

“Guidelines for a Victim – Dealing with Plagiarism”, Davison, R. Malcolm C. Munro and Detmar Straub, Communications of the Association for Information Systems (CAIS), January 2004, pp. 18- 27. <http://mgis.mgmt.ucalgary.ca/ais/victimguidelines.htm>

“Dealing with Plagiarism: Behavioural Guidelines for Complainants and Editors,” Malcolm C Munro Communications of the AIS, Volume 11, Article 2, Feb. 19, 2003.

“Living Scholarship on the World Wide Web: An Innovation in Disseminating and Publishing Research,” University of Calgary Press, January 2000, with Peter R. Newsted and Sid L. Huff, see <http://www.acs.ucalgary.ca/~newsted/is_4.htm>

“Assessing User Competence: Conceptualization and Measurement,” Information Systems Research, (with Barbara Marcolin, Deborah Compeau and Sid Huff), Vol. 11, No. 1, March 2000, pp. 37-60.

“Survey Instruments in Information Systems” MIS Quarterly, Vol. 22, No. 4, December 1998, pp. 553-554, with Peter R. Newsted and Sid L. Huff.

“MIS Survey Research,” MISQ Discovery (peer reviewed web-based journal)(with Peter R. Newsted and Sid L. Huff), October 1998.

Understanding and Measuring User Competence, Information and Management, (with Sid Huff, Barbara Marcolin, and Debra R. Compeau), Volume 33, 1997, pp 45 - 57.

End User Ability: Impact of Job and Individual Differences@, Journal of End User Computing (with Barb Marcolin and Kevin Campbell), Volume 9, Number 3, Summer 1997, pp 3-12.

"End User Computing: Examining User Sophistication", New Zealand Journal of Computing, Volume 6, Number 1, August 1995 (with S. Huff, B. Marcolin, and D. Compeau).

Proceedings of the 15th International Conference on Information Systems, Vancouver, Canada, December 14-17, 1994, pp. 512 (with Janice I. DeGross and Sid L. Huff), eds.

"Group Support Systems and MIS Research", International Journal of Information Management, Volume 12, Number 3, September 1992, pp. 241-243.

"Data Acquisition Instruments in Management Information Systems", The Information Systems Research Challenge: Survey Research Methods, Volume 3, Kenneth L. Kraemer, ed., Harvard Business School, Boston, MA., 1991, pp. 187-209. (With Peter Newsted and Sid L. Huff).

"Managing Micro Proliferation", Journal of Information Systems Management, Auerbach Publishers, Volume 6, No. 4, Fall 1989, p.72‑75 (with Sid Huff).

"Managing End User Computing", Journal of Systems Management, Association for Systems Management, December 1988 (with Sid Huff).

"Growth Stages of End User Computing", Communications of the ACM, Vol. 31, No. 5, May 1988 (with Sid Huff and Barbara H. Martin).

"The Problem of Information Requirements for Computer Applications". Accounting Horizons, American Accounting Association (with Gordon B. Davis; invited article) December 1987.

"Expansion and Control of End User Computing", Journal of Management Information Systems, M.E. Sharpe, Inc., Winter 1987‑88, Vol. 4, No. 3, pp. 5‑17 (with Sid Huff and Gary C. Moore).

"Managing End User Computing in Large Organizations", Systems Development Management, Auerbach Publishers Inc., Pennsauken, NJ, 1987 (with Sid Huff).

"Understanding the Information Centre Role", Datapro Management of Microcomputer Systems, Datapro Research Corporation, Delran, New Jersey (with Sid Huff) (republication) November 1986.

"On Empirical MIS Research: The Case of Information Requirements Analysis", Canadian Journal of Administrative Sciences, Vol. 3, No. 2, December 1986, pp. 359‑375 (with Y. Wand).

"Identifying Critical Information for Strategic Management", Strategic Planning and Management Handbook, eds., William R. King and David I. Cleland, Van Nostrand Reinhold, Ltd. 1986, pp. 406‑421 (invited chapter).

"Acquiring a Computer:  Advice for the Small Business," International Journal of Management, Vol. 3, No. 2, June 1986 (with N. Ahituv).

"Information Technology Assess­ment and Adoption: A Field Study", MIS Quarterly, Journal of the Society for Information Management, Vol. 9, No. 4, December 1985, pp. 327‑340 (with Sid Huff).

"Information Technology and Corporate Strategy" Business Quarterly, Volume 50, No. 2, Summer 1985, (with Sid Huff).

"Comment on Critical Success Factors Work", MIS Quarterly, (Journal of the Society for Information Management), Vol. 7, No. 3, September 1983.

"The Value of Information in Information Analysis," Information and Management, Journal of IFIP Users Group (IAG), Volume 4, Number 3, July, 1981 (with N. Ahituv and Y. Wand).

"Planning, Critical Success Factors, and Management's Information Requirements", MIS Quarterly, Vol. 4, No. 4 December, 1980, (with Basil R. Wheeler).

"Determining a Manager's Information Needs", Data Processing Management, Auerbach Publishers Inc., New Jersey, September, 1979 (expanded version of JSM article below, by request of Auerbach).

"Determining a Manager's Information Needs," Journal of Systems Management, Association for Systems Management, June, 1978.

"Determining Management Information Needs ‑ A Comparison of Methods", Management Information Systems Quarterly (Journal of the Society for MIS) Volume 1, Number 2, Summer, 1977 (with Gordon B. Davis).

Popular Business Games ‑ Information to Aid Selection and Use, A Commissioned Report to the Innovative Projects Fund, Department of Advanced Education, Province of Alberta, April, 1977.

"College Management System Improvement:  Operating Topics, College Management System Improvement Project Report, University of Minnesota, Minneapolis, Minnesota, 1974 (with Carl R. Adams).

"Computer Language Instruction:  A Modular Approach," Computer Person­nel, ACM Quarterly Publication of the Special Interest Group on Computer Personnel Research, Fall, 1972, Volume 3, Number 3, (with Gary W. Dickson and Charles R. Litecky).

Instructor's Manual for Fortran Programming:  A Self‑Paced Approach, Rinehart Press, 1972 (with Gary W. Dickson and Harry R. Smith).

"Computer Language Instruction", Proceedings of the Midwestern Region­al Aids Conference, March, 1971 (with Gary W. Dickson and Charles R. Litecky).

"A Comparison of the Decision Analysis and Data Analysis Methods for Determining Management's Information Needs", unpublished doctoral dissertation, Graduate School of Business Administration, University of Minnesota, 1975.

**PROFESSIONAL JOURNAL PUBLICATIONS**

"Information Technology and the Board of Directors: Is there an IT attention deficit?", Huff, S. L., P. Michael Maher and Malcolm C. Munro, MIS Quarterly Executive, Vol. 5, No. 2, June 2006

"Adding Value: the Case for Adding IT-Savvy Directors to the Board", Huff, S. L., P. Michael Maher and Malcolm C. Munro, Ivey Business Journal, November-December 2005.

“What Boards Don’t Do – But Must Do – About IT” Huff, S. L., P. Michael Maher and Malcolm C. Munro, Ivey Business Journal, September-October 2004.

“Missing in Action: IT is Seldom a Board Topic” Huff, S.L., P. Michael Maher and Malcolm C. Munro Managing Information Strategies: New Zealand, Vol 7, no. 5, May 2004, pages 24-29

P. Michael Maher and Malcolm C. Munro, “Capturing Board Potential,” Ivey Business Journal, September-October 2003.

P. Michael Maher, Malcolm C. Munro, and Flora Stormer, “Beyond Compliance: Dot-Com Boards Have a Different Culture”, Ivey Business Journal, March-April 2002.

P. Michael Maher and Malcolm C. Munro, "Keys to Enhancing Corporate Director

 Performance", Boardroom, Conference Board of Canada, March 2001.

P. Michael Maher, Malcolm C. Munro, and Flora Stormer, “Dotcom Boards: Not for the Faint of Heart,” Ivey Business Journal, March-April 2001.

P.Michael Maher, Malcolm C. Munro and Flora Stormer, “How to increase Your Chances of a Board Appointment”, CMA Management, March 2001.

P. Michael Maher, Malcolm C. Munro and Flora Stormer, “Get on Board”, University Affairs , March 2001

 P. Michael Maher, Malcolm C. Munro and Flora Stormer, “Build a Better Board: Six Keys to Enhancing Corporate Director Performance”, Strategy and Leadership, Nov. 2000.

P. Michael Maher, Malcolm C. Munro and Flora Stormer, “How to Attract a Board Appointment,” CIO-Canada, September 2000, Vol. 8, No. 9

P. Michael Maher and Malcolm C. Munro, “Today’s Board and the Academic Option,” Ivey Business Journal, Vol. 64 No. 6, July/August 2000, pp. 8-11.

"Controlling the Acquisition of a Small Business Computer", Cost and Management, Journal of the Society of Management Accountants, March, 1983 with N. Ahituv.

"L'acquisition d'un ordinateur par une PME", Cost and Management, Journal of the Society of Management Accountants, March, 1983, with N. Ahituv (French translation of cover article above).

**RESEARCH GRANTS**

$40,500 A Self Management Approach to Continuous Learning of Information Technology Skills, Social Sciences and Humanities Research Council of Canada, April 1998 -March 2001.

$24,000 Sophistication and Disillusionment in End User Adoption and Use of Information Technologies", Social Sciences and Humanities Research Council of Canada, April 1992 - March 1994.

$19,000 "Sophistication and Disillusionment in End User Adoption and Use of Information Technology," Natural Sciences and Engineering Research Council of Canada April 1991 - March 1992.

$22,000 "Identification and Analysis of Constructs and Instruments in Survey-Based Research in MIS," Social Sciences and Humanities Research Council of Canada April 1991 - March 1993.

$32,100 Collection and Analysis of Data Acquisition Instruments in MIS, Social Sciences & Humanities Research Council, April 1989 ‑ March 1991.

$2,310 "Collection and Analysis of Data Acquisition Instruments in Management Information Systems", Social Science and Humanities Research Council of Canada, June, 1988.

 $2,000 Alberta Energy, January‑April, 1988.

$57,000 "Assessment, Adoption and Application of Information Technology by Non Professional Information System Developers", Natural Sciences and Engineering Research Council (three year grant renewal).

 $1,948 Alberta Career Development and Employment, 1987.

 $57,948 "Assessment, Adoption, and Diffusion of Information Technology", Natural

 Sciences and Engineering Research Council, 1985 (three year grant).

$10,690 "Managing the Assessment and Adoption of New Information Technology", Social Sciences and Humanities Research Council, Strategic Grants Program, 1984 .

$1,960 "Stages in the Growth of the Use of Computers in Business", Social Science and Humanities Research Council, 1983.

$3,000 "Critical Success Factors for Information Systems Manage­ment", Seagram Business Faculty Award, 1981.

$1,200 "A Field Survey of Decision Support Systems", Operating Grant, The University of Calgary, September, 1980.

$3,290 "Information Analysis of a Fire Protection Organization", Department of Labour, Government of Alberta, and the Research Policies and Grants Committee, The University of Calgary, September 1978 (with N. Ahituv, Y. Wand, and J. Halperin).

$18,961 "A Co‑ordinated Approach to the Selection and Implementation of Computer‑Based Business Games," Innovative Projects Fund, Department of Advanced Education, Province of Alberta, Oct. 1, 1975 ‑ Feb. 15, 1977.

$2,000 "Development of a Self‑Instructional Course in Report Program Generator Language, "Department of Advanced Educa­tion, Province of Alberta (Summer 1975).

**GRADUATE STUDENT SUPERVISION**

Harvey Grant Enns, Chief Information Officer’s Influence Behaviours, Outcomes, and Technical Background Roles, PhD Thesis, Richard Ivey School of Business, December 1999 (External Examiner).

Bruce M Olsen, Dimensions of Expert System Management, MBA Thesis, Faculty of Management, The University of Calgary, September 1992 (Committee Member).

Kevin Grant Campbell, End-User Ability: A Study of Individual Differences, MBA Thesis, Faculty of Management, The University of Calgary, April 1992 (Supervisor).

Victor Suresh Sohmen, Project Commissioning Management in the Oil and Gas Industry:  An Empirical Study, MBA Thesis, Faculty of Management,The University of Calgary, April 1990 (Internal Examiner).

Gary C. Moore, End User Computing and Office Automation: The Diffusion of Innovations, Ph.D. Dissertation, Faculty of Commerce and Business Administration, The University of British Columbia, (External member ‑ Dissertation Committee).

Suzanne Rivard, User Developed Computer Based Applications:  A Model of the Factors of Success, Ph.D. Dissertation, School of Business Administration, The University of Western Ontario, December 1982.  (External examiner).

A.R. Montazemi, An Approach to Filtering Information, Ph.D.  Dissertation Proposal, Department of Management Sciences, The University of Waterloo, December 1982.  (External examiner).

Mr. Basil Wheeler, Determining Management's Information Needs with Respect to Personal Performance Measurement at Middle Levels of Management, M.M.S. Research Report, May, 1979, The University of Calgary.

**EDITORIAL AND DISCIPLINE-RELATED ACTIVITIES**

Vice President (Meetings and Conferences), Association for Information System (2000 -2006)

Theme Track Co-Chair, Program Committee, International Conference on Information Systems, New Orleans, December 2001.

 Planning Committee, International Conference on Information Systems, 1991 - 1995.

Program Co‑Chairman, International Conference on Information Systems, Vancouver, B.C., 1994.

Co-Editor, Proceedings of the 15th International Conference on Information Systems, December 1994.

Associate Editor, Data Base, Publication of the Association for Computing Machinery, November 1992 to July 1999.

Associate Editor for Information Systems, INFOR:  The Canadian Journal for Information Systems and Operational Research, March 1990 ‑ November 1992.

Departmental Editor for Management Information Systems, Canadian Journal of Administrative Sciences, July 1987 ‑ May 1990.

Guest Editor of INFOR: Canadian Journal for Information Systems and Operational Research, Special Issue on End User Computing (August 1987).

Editorial Board ‑ Technological Innovation and Human Resource Series, De Gruyter Publishers Inc. (New York), 1990-1992.

Editorial Consultant, Canadian Journal of Administrative Sciences (March 1983 ‑ December 1985).

Editor, producer and founder, MIS Interrupt, a quarterly International Management Information Systems

 Newsletter (1977- 1992).

Advisory Council ‑ International Conference on Information Systems.

Administrative Sciences Association of Canada:

 ‑   National Executive (Awards Chairman 1982‑84, 1984‑86).

 ‑   Chairman, Information Systems Division 1981‑82.

**PUBLISHED CASES (Richard ivey School of Business, Western University)**

WestJet Airlines::Information Technology Governance and Corporate Strategy, Malcolm C. Munro and Sharaz Khan,July 2013 (**Top-20 Best Selling Case, 2015-19.** **Winner of Ivey Classics Award, July 2022..**

Enerplus Corporation: Assessing the Board Invitation, Malcolm C. Munro and P. Michael Maher, September 2012 Reprinted in *Cases in Strategic Management,* Paul Beamish, McGraw-Hill Ryerson, February 2015.

STARS Air Ambulance: An Information Systems Challenge, Malcolm C. Munro and Sid L. Huff, December 2007

Pay Zone Consulting: A Global Virtual Organization, Malcolm C. Munro and Sid L. Huff, December 2007.

Anduro Marketing:: Internet Services Versus Software Sales, Malcolm C. Munro and Sid L. Huff, November 2007 .

Shopster.com, Malcolm C. Munro and Sid L. Huff, October 2007

Critical Mass: The IT Creativity Challenge, Malcolm C. Munro and Sid L. Huff, November 2007 .

Trans‑Canada Life, April, 1983. (A case dealing with a systems management problem: the revoking of a flex‑time policy for systems personnel)

**CONSULTANCIES**

German Aerospace Research Agency, Federal Republic of Germany.

Gulf Canada Resources Inc.

Helix Management Research Limited

Northwest Bancorporation, Minneapolis USA.

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