

Education

Faculty of Business Administration Burnaby, BC, V5A 186 (778) 782-5408 (mjbrydon@sfu.ca)

Simon Fraser University

Michael Brydon

University of British Columbia

- 2000: Ph.D. in Management Information Systems, Faculty of Commerce and Business Administration.
- Dissertation title: A Market-Based Approach to Resource Allocation in Manufacturing.

Royal Military College of Canada

- 1993: M.Eng. in Engineering Management (Industrial Engineering)
- Thesis title: Intelligent Quality Control and Improvement: Applying Machine Learning to a Large-Scale Continuous Industrial Process.

Royal Military College of Canada Royal Roads Military College

Kingston, ON Victoria, BC

Kingston, ON

Vancouver, BC

- 1990: B.Eng. in Engineering Management (Industrial Engineering)-
- Thesis title: Applied Quality Control: Alcan's Paint Line 3

Research Interests

Primary research interest

Decision making, multi-agent intelligent systems, decision-theoretic planning, combinatorial auctions, online auctions, real options valuation

Secondary research interest

Knowledge management, open source software, public goods, data mining, group decision support

ExperienceSimon Fraser University
Sep 2008 – present: Associate Professor
Dec 2000 – Sep 2008: Assistant Professor
May 1999 – Dec 2000: Instructor
1997 – 1999: Sessional LecturerBurnaby, BCUniversity of British ColumbiaVancouver, BC

1998: Fellow, Centre for Operations Excellence 1993 – 1998: Sessional Lecturer/Teaching Assistant 1997: Lecturer, Certified General Accountants Program

Royal Military College of Canada

1990 – 1993: Technical Officer and Lecturer, Department of Engineering Management

Kingston, ON

Journal Publications	• Brydon, M. J. and Vining, A. R., 2008, "Adoption, Improvement and Disruption: Predicting the Impact of Open Source Applications in Enterprise Software Markets," <i>Journal of Database Management</i> , 19(2), pp. 73-94.
	 Brydon, M. J. and Gemino A. C., "You've Data Mined. Now What?" <i>Communications of the Association for Information Systems</i>, 22(33). Brydon, M. J. and Gemino, A. C., "Classification Trees and Decision- Analytic Feedforward Control: A Case Study from the Video Game Industry," <i>Data Mining and Knowledge Discovery</i>, 17(2), pp. 317-342. Brydon, M. J. (2006) "Economic metaphors for solving intrafirm allocation problems: What does a market buy us?" <i>Decision Support Systems</i>, 42(3), pp. 1657-1672. Brydon, M. J. and Vining, A. R., (2006) "Understanding the failure of internal knowledge markets: A framework for diagnosis and improvement," <i>Information & Management</i>, 43(8), pp. 964-974. Brydon, M.J. (2006) "Evaluating strategic options using decision-theoretic planning," <i>Information Technology and Management</i>, 7(1), pp. 35-49. Brydon, M.J. (1990) "Using Control Charts to Monitor the Performance of Large-Scale Systems," <i>Engineering Management Journal</i>, Vol.3, No.1
Papers under Review	• Chwelos, P., Brydon, M., and Benbasat, I., "Recognizing Strategic Reputation Manipulation on eBay: An Experimental Investigation" under second review at <i>Journal of Management Information Systems</i> .
	• Brydon, M. J., Chwelos, P. D., and Benbasat, I., "Plugging the Holes in eBay's Reputation System," under review at <i>Communications of the Association for Computing Machinery (CACM)</i> .
Conference Papers and Presentations	 Brownstein, M., Brydon, M. J., and Vining, A. R., (2006), "Can Open Source Disrupt Enterprise Software? The Case of CRM," in the proceedings of Conference of the Administrative Sciences Association of Canada (ASAC 06). Brydon, M. J., (2004) "Economic Metaphors for Computation: What do Markets Buy Us?" presented at the CORS/INFORMS International Meeting, Banff, AB. Brydon, Michael J., (2003), "Evaluating Strategic Options Using Decision Theoretic Planning," Eighth Annual Informs Conference on Information Systems and Technology (CIST-03), Atlanta, GA. Collins-Dodd, C., Brydon, M., and Maygar, E., 2003, "Consumer channel decisions in a bricks and mortar vs. electronic retailing environment," 10th International Conference on Recent Advances in Retailing and Services Science (EIRASS '03).

	• Brydon, Michael J., 2002, "Using Decision-Theoretic Planning Agents in Market-Based Systems," AAAI Workshop on Game Theoretic and Decision Theoretic Agents (GTDT'02), Edmonton, AB.
	• Gemino, A., Brydon, M., and Olnick Kutzschan, A., 2002, "Requirements Engineering in Web Development Projects," Conference of the Administrative Sciences Association of Canada (ASAC '02).
	• Chwelos, Paul D., and Brydon, Michael J., 2000, "Clicks vs. Bricks: Towards a Model of Internet-Induced Channel Competition," International Conference on Information Systems (ICIS-2000), Brisbane, Australia.
	• Brydon, Michael J., 1998, "Markets As Decision Makers: A Framework For Multi-Agent Planning," in the Proceedings of the 1998 Workshop on Information Technology and Systems (WITS 98), Helsinki, Finland.
	 M. J. Brydon, 1996, "Emergent Planning and Control in Manufacturing" presented at INFORMS-96, Atlanta, GA, 03 Nov.
	• M.J. Brydon and A.L. Jenkins, 1994, "Applying Machine Learning for Intelligent Quality Improvement," <i>Proceedings of the 6th Symposium/Workshop</i> on Applications of Expert Systems in DND, Kingston, Ont.
	 M. J. Brydon, 1993, "Quality Control Using Artificial Intelligence Techniques," presented at the 35th Annual Conference of the Canadian Operational Research Society, Halifax, N. S., 26 May.
	• M.J. Brydon, 1990, "Using Control Charts to Monitor the Performance of Large-Scale Systems," Proceedings of the 11th Annual Conference of the American Society for Engineering Management, St. Louis MO, 15 Oct.
Invited Presentations	• 2004 Management Information Systems Seminar, Sauder School of Business, "Valuating Strategic Alternatives Using Decision-Theoretic Planning".
	• 2003, Management Information Systems Colloquium, Haskayne School of Business, University of Calgary, "Strategic Decision Making in the Face of Uncertainty or: What to do with a GartnerGroup Report".
	• 2001, Fisher College of Business, Ohio State University, "Resource Allocation Using Markets".
Works in Progress	• Brydon, M.J. and Gemino, A.C., "Evaluating Product Development Options in the Video Game Industry: a Decision-Theoretic Approach," for submission in <i>Decision Analysis</i> in fall of 2007
	• "Predicting Success in the Video Game Industry: Is it Like the Movies?" (with Aidan Vining and Andrew Gemino), statistical analysis in fall of 2007.
	• "Open Source as an Alternative to Make Versus Buy," preparing manuscript for submission in spring 2008.
	• An experimental analysis of eBay's Reputation 2.0 (with Izak Benbasat).

• A longitudinal analysis of reputation manipulation on eBay (with Tirtha Dhar).

Grants

- 2008 SSHRC-SFU Institutional Grant Small with P. Tingling "Predicting black swans: an empirical investigation of forecasting in fat-tailed environments" (\$5,800)
- 2002-04 SSHRC INE with A. Vining (principal), E. Love, and A. Pavlov: "Rethinking the Application of Formal Models to Strategic Decision Making" (\$200,000)
- 2000-04 NSERC Individual Research Grant: "Solving resource allocation problems using markets and rational agents" (\$55,500)
- 2000-01 Finning Endowment, SFU: "A Market-Based Approach to Resource Allocation in Manufacturing" (\$10,000)
- 2000 Management of Technology Business Council, SFU: "Channel Conflict: The Risks of Clicks and Mortar" (\$3,900)

Teaching	Years	Level	Course	Name
	2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000	Graduate/ MBA	Bus 756	Strategic Use of Information an Knowledge
	2001, 2000, 1999	Graduate/ MBA	Bus 905	Electronic Commerce
	2004	Graduate/ MBA	Bus 554	Management Information Systems (Regional MBA)
	2004	Graduate	SAR 893	Directed Studies
	2006, 2005, 2004	Undergrad	Bus 462	Managerial Support Systems
	2003, 2000(2)	Undergrad	Bus 492/ 464	Building Business Systems
	2006, 2005, 2003, 2002(2), 2001	Undergrad	Bus 362	Information Systems Analysis and Design
	2002, 2000(2)	Undergrad	Bus 499	Directed Studies

Professional Service

- Reviewer for Management Science, Information Systems Research, IEEE Transactions on Engineering Management, Computational Intelligence
- 2006, Reviewer for SSHRC Individual Grants.
- 2007, 2006: Reviewer for Administrative Sciences Association of Canada (ASAC)

	• 2002, 1999: Reviewer for NSERC Discovery Grants and Collaborative R&D Grants
	• 2007, 2004, 2002, 2001, 2000 Program Committee for the International Conference on Information Systems (ICIS)
	• 2001 Program Committee for the Workshop on Information Technology and Systems (WITS 2001)
University/Faculty	• Management of Technology MBA Committee, 2007 – present
Service	• Academic Appeals Committee, 2006 – 2007
	• Area Coordinator, MIS, Aug 2003 – Sep 2005
	• Member, Appointments Committee, Jun 2002 – May 2003
	• Member, Faculty Tenure and Promotion Committee: Jun 2001 – Jan 2002
Awards and Achievements	• 1996 International Conference on Information Systems (ICIS) doctoral consortium participant
	• McPhee Fellowship, University of British Columbia (1993-1996)
	• First place: 1990 American Society for Engineering

First place: 1990 American Society for Engineering
 Management/McDonnell Aircraft Student Paper Competition

Senior Supervisory Duties of a Thesis/Dissertation/or Major Project

Name	Degree	Project/Thesis Title	Status	Began	Completed	
Primary supervisor						
Medina, Ahmed	I M.B.A.	Vivonet: HALO DataWarehouse Strategic Plan	Completed	2006-3	2007-1	
Wu, Shirley	M.B.A.	Commercial Viability Of Elecar Transportation System	Active	2005-2		
Singh, Ravi	M.B.A.	Changing Channels: Exploring Alternative Sources Of Revenues For Knowledge Network In An Uncertain Future	Completed	2004-3	2005-1	
Oneata, Cristian Marius	ı M.B.A.	Strategic Analysis for the Open Source Institute at Simon Fraser University	Completed	2004-2	2004-3	
Sarrafi, Massou	M.B.A.	Strategic Analysis for the Open Source Institute at Simon Fraser University	Completed	2004-2	2004-3	
Tsang, Davie	M.B.A.	The adoption factors of 3D graph technology in computer and video gaming development	Completed	2000-1	2002-2	
Wong, Chung	M.B.A.	Factors influencing wireless servic providers' decision to adopt 3G wireless infrastructure : an adoptio model	Completed	1999-3	2002-2	
Campbell, Christopher	M.B.A.	The Effect of Online Selling on Channel Structure: Factors leading to a high degree of Internet induce channel competition	Completed	2000-1	2001-3	

Serving on a Committee of a Thesis/Dissertation/or Major Project

Name	Degree	Project/Thesis Title	Status	Began	Completed
Committee memb	er				
Gibbons, David	Ph.D.	The use of formal methods to support strategic decision maki	Active	2003-1	
Sharma, Pratibha	M.Sc.	Using Markets to Solve Constraint Satisfaction Probler	On Leave	2001-1	
Vastani, Hussein	M.Sc.	Using distributed mechanisms solve the n-vehicle pick-up and delivery problem	On Leave	1999-3	
Susanto, Tedi	M.Sc.	Approximating the Nash Bargaining Solution in Multi- Agent Allocation Problems	Completed	2002-2	2004-2
Magyar, Erika	M.B.A.	Channel Competition: Consum Search And Purchase In A Multiple Channel Environmen	Completed	2000-3	2002-1
Zhu, Hong	M.B.A.	Business partnership in ASP marketplace	Completed	2000-1	2001-2
Lian, Minli	M.B.A.	Transition in Business Intelligence: An examination of Web-based Models for Decision Support Systems	Completed	1999-3	2001-2
Doering, Marco	M.B.A.	How Product Uncertainty Affects Consumers' Willingnes to Purchase Over the Internet.	Completed		2001-1
Bhattacharya, Anant	t M.B.A.	Development of a DSS model for a timber company	Completed	1999-3	2000-1
Second reader					
Archer, Ann	M.B.A.	A Strategic Analysis of Wireles Innovation In Intelligent Transportation Systems	Active	2006-3	
Ellickson, Sean	M.B.A.	An Analysis of The Potential Application of RFID To Helicopter Maintenance Operations	Completed	2006-3	2006-3

Name	Degree	Project/Thesis Title	Status	Began	Completed
Galvin, Jamie	M.B.A.	Analysis of Shipping Logistics Management for An E- Commerce Firm	Completed	2006-3	2006-3
Brownstein, Matthew	M.B.A.	Pivotal And The Threat of Op Source CRM: A Strategic Assessment	Completed	2005-2	2005-3
Lin, Diego	M.B.A.	Pivotal And The Threat of Op Source CRM: A Strategic Assessment	Completed	2005-2	2005-3
Chavez, Paola	M.B.A.	Business Case – TELUS VoIP Peering Service	Completed	2004-2	2004-3
Pinchbeck, Rod	M.B.A.	Business Case – TELUS VoIP Peering Service	Completed	2004-2	2004-3
Meng, Aidong	M.B.A.	A Strategic Analysis Of Raffemet's Entry Into The Chinese Fuel Oil Futures	Completed	2004-1	2004-3
Secchin de Freitas, Humberto	M.B.A.	Developing a Technopolis: A Model and Strategy for Developing A high-Tech Clust in Petropolis Brazil	Completed	1999-3	2002-1
Examiner					
Law, Andy	Ph.D.	Cadia: Combinatorial Auction Winner Determination Using Item Association	Completed		2005-2

Graduate Supervision Outside SFU (incl. External Examinations)

Name	Degree	Status	Dates	Role
Irene Pan	M.Sc.	Completed	November 2003 - September 2004	Committee Member
Area:	Management In	formation Syst	rems	
Title:	Time and Price	Dimensions in	an Online Auction Reputation N	Mechanism
Institution:	University of B	ritish Columbia	l	
Russ Ovans Area: Title: Institution:	Ph.D. Computer Scier A Multiagent So SFU		August 2002 - August 2002 Venue Equalization Problem	Internal-External
Sampson, Pe Area: Title: Institution:	Management		January 2001 - August 2001 Iarrows Projects Inc	Senior Supervisor