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Curriculum Vitae
Dr. Barrie R. Nault

ucalgary.ca/bnault
(403) 688-8800
nault@ucalgary.ca

Haskayne School of Business
University of Calgary
2500 University Drive NW
Calgary, AB, T2N 1N4 Canada

Academic Experience

- 2001-present Distinguished Research Professor in Business Technology Management (MIS) (2017-present), Robson Professor in MIS (2001-2017), Haskayne School of Business, University of Calgary, Director of the Informatics Research Centre (2003-present)
- 2011-present Distinguished Fellow of the INFORMS Information Systems Society
- 1999-2005 Associate Professor (1999-2001); Adjunct Professor (2001-2005), Department of Accounting and MIS, Fisher College of Business, The Ohio State University; Director of the Center for IT Management (2000-2001)
- 1994-1999 Associate Professor (1997-1999); Assistant Professor (1994-1997), Graduate School of Management, University of California, Irvine
- 1990-1994 Assistant Professor, Department of Accounting and MIS, Faculty of Business, University of Alberta

Academic Interests

Information Technology, Organizations and Markets; Incentives and Investments; Platforms; Systems Engineering; Technology Management; Smart Grid; Public Safety Networks.

Education

Doctor of Philosophy (Ph.D.) (1990), University of British Columbia (UBC)

Bachelor of Commerce (1983), McGill University

Refereed Journal Articles or Book Chapters

Li, W., & Nault, B. R. (2025). Trade-off balancing for one-stage production with processing time uncertainties. *Int J of Advanced Operations Management*, 17(1), 86-108.

doi: [10.1504/IJAOM.2026.151896](https://doi.org/10.1504/IJAOM.2026.151896)

Hojati, A., & Nault, B. R. (2025). Content Moderation with Shadowbanning. *Information Systems Research*. doi: [10.1287/isre.2024.1140](https://doi.org/10.1287/isre.2024.1140)

Vijairaghavan, V., Hidaji, H., & Nault, B. R. (2025). Consequences of resorting to fines and investment to regulate data portability. *Management Science*, 72(5), 3761-3779. doi: [10.1287/mnsc.2024.08404](https://doi.org/10.1287/mnsc.2024.08404)

Fereidouni, M., & Nault, B. R. (2025). Using subsidies, fines, and restitution with budget balance to combat digital piracy. *Management Science*, 71(9), 7225-8095. doi: [10.1287/mnsc.2021.03463](https://doi.org/10.1287/mnsc.2021.03463)

Li, W., & Nault, B. R. (2025). Balancing trade-offs between the first three moments of completion times for one-stage production. *Manufacturing Letters*, 44, 70-79. doi: [10.1016/j.mfglet.2025.06.011](https://doi.org/10.1016/j.mfglet.2025.06.011)

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- Li, W., & Nault, B. R. (2024). Trade-offs between optimal and robust scheduling in one-stage production. *Manufacturing Letters*, 41, 63-72. doi: [10.1016/j.mfglet.2024.09.010](https://doi.org/10.1016/j.mfglet.2024.09.010)
- Guo, H., Liu, Y., & Nault, B. R. (2024). Join Up or Stay Away? Coalition Formation for Critical IT Infrastructure. *Information Systems Research*, 35(3), 1344-1362. doi: [10.1287/isre.2021.0463](https://doi.org/10.1287/isre.2021.0463)
- Li, X., Wang, X., & Nault, B. R. (2024). Is Personalized Pricing Profitable When Firms Can Differentiate?. *Management Science*, 70(7), 4184-4199. doi: [10.1287/mnsc.2021.02740](https://doi.org/10.1287/mnsc.2021.02740)
- Zhang, J., & Nault, B. R. (2024). Upstream information sharing in platform-based e-commerce with retail plan adjustment. *Decision Support Systems*, 177. doi: [10.1016/j.dss.2023.114099](https://doi.org/10.1016/j.dss.2023.114099)
- Ma, J., Nault, B. R., & Tu, Y. P. (2023). Customer segmentation, pricing, and lead time decisions: A stochastic-user-equilibrium perspective. *International Journal of Production Economics*, 264, 108985. doi: [10.1016/j.ijpe.2023.108985](https://doi.org/10.1016/j.ijpe.2023.108985)
- Zhang, D., Lyle, M., & Nault, B. R. (2024). Trading volume and open interest from options markets as measures of the effect of IT announcements. *Information Technology and Management*, 25, 113-123. doi: [10.1007/s10799-023-00413-y](https://doi.org/10.1007/s10799-023-00413-y)
- Li, W., & Nault, B. R. (2023). The robustness of scheduling for trade-off balancing in one-stage production. *Manufacturing Letters*, 35, 9-19. doi: [10.1016/j.mfglet.2023.07.010](https://doi.org/10.1016/j.mfglet.2023.07.010)
- Zhang, J., & Nault, B. R. (2023). Information sharing in an MTO supply chain with upstream adjustments. *European Journal of Operational Research*, 308(1), 97-112. doi: [10.1016/j.ejor.2022.10.034](https://doi.org/10.1016/j.ejor.2022.10.034)
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- Guo, H., Liu, Y., & B.R. Nault. (2021). Provisioning interoperable disaster management systems: integrated, unified, and federated approaches. *MIS Quarterly*, 45(1), 45-82. doi: [10.25300/misq/2020/14947](https://doi.org/10.25300/misq/2020/14947)
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- Zhang, J., Nault, B. R., & Dimitrakopoulos, R. G. (2019). Optimizing a mineral value chain with market uncertainty using benders decomposition. *European Journal of Operational Research*, 274(1), 227-239. doi: [10.1016/j.ejor.2018.09.047](https://doi.org/10.1016/j.ejor.2018.09.047)
- Li, W., Nault, B. R., & Ye, H. (2019). Trade-off balancing in scheduling for flow shop production and perioperative processes. *European Journal of Operational Research*, 273(3), 817-830. doi: [10.1016/j.ejor.2018.08.048](https://doi.org/10.1016/j.ejor.2018.08.048)
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Conference Papers and Proceedings

- Liaghat, P., & Nault, B.R. (January 2026). Market-driven investment in privacy-enhancing technologies in personalized digital services. (Accepted for presentation and proceedings at *ASAC Conference*) (refereed)
- Hojati, A., & Nault, B. R. (January 2026). Content moderation governance in social media: regulation-based vs. market-based approaches. (Accepted for presentation and proceedings at *ASAC Conference*) (refereed)
- Ma, J., Zhang, J., Lamghari, A., & Nault, B. R. (January 2026). Strategic cost disclosure under uncertainty: incentives, coordination, and integration in mining. (Accepted for presentation and proceedings at *ASAC Conference*)
- Liaghat, P., & Nault, B.R. (2025). Privacy and digital service personalization. *Fall 2025 INFORMS Conference on Information Systems and Technology, Atlanta, GA.* (refereed)
- Hojati, A., & Nault, B. R. (2025). Content moderation with visibility reduction. Short version *Fall 2025 INFORMS Conference on Information Systems and Technology, Atlanta, GA.* (refereed)
- Zhang, J., & Nault, B. R. (2023). The impact of AI platform with plugins for third-party application developers. *Proceedings of the Workshop on Information Technology Systems, Hyderabad, India.* (refereed)
- Fereidouni, M., & Nault, B. R. (2021). Digital piracy: Detection, imposition, and restitution. *Fall 2021 INFORMS Conference on Information Systems and Technology, Austin, TX.* (refereed)
- Li, W., Nault, B.R., You, J., & Bilderback, B. (2021). Balancing trade-offs in one-stage production with processing time uncertainty. In L. Fratini & I. Ragai (Eds) *The 49th SME North American Manufacturing Research Conference: Procedia Manufacturing, 53*, (8-15). (refereed)
- Li, W., Nault, B.R., You, J., & Bilderback, B. (2021.) Balancing trade-offs in one-stage production with processing time uncertainty. *Proceedings of the North American Manufacturing Research Conference, NAMRC 49, Cincinnati, OH.* (refereed)
- Vijairaghavan, V., & Nault, B. R. (2019). Smart grids: Incentivizing growth and investment in demand response. *Fall 2019 INFORMS Conference on Information Systems and Technology, Seattle, WA.* (refereed)
- Zhang, J., & Nault, B. R. (2019). The competition between edge providers and the impact of analytics technology. *Fall 2019 INFORMS Conference on Information Systems and Technology, Seattle, WA.* (refereed)
- Wang, X., He, J., Vandenbosch, M.B., & Nault, B. R. (2018). Revealed preference in online reviews: purchase verification in the tablet market. *Fall 2018 INFORMS Conference on Information Systems and Technology, Phoenix, AZ.* (refereed)
- Zhang, J., & Nault, B. R. (2017). Upstream information sharing in a make-to-order supply chain. *Fall 2017 INFORMS Conference on Information Systems and Technology, Houston, TX.* (refereed)
- Li, W., Nault, B.R., Abedini, A., Pan, X., Ye, H., Jawahir, I.S., Rouch, K., & Saito, K. (2017). Balancing trade-offs between utilization and work-in-process inventory levels in flow shop production. *Proceedings of Eighth International Symposium on Scale Modeling (ISSM-8), Portland, OR.*
- Gong, F., Nault, B.R., & Cheng, Z. (2016). The impact of IT in production interdependence. *Fall 2016 INFORMS Conference on Information Systems and Technology, Nashville, TN.* (refereed)
- Zhang, D., & Nault, B. R. (2016). Do IT investments impact ex-ante firm risk? – New evidence from

- the option market. *Proceedings of the 10th China Summer Workshop on Information Management, Dalian, China.* (refereed)
- Herrmann, P., Kundisch, D., Zimmermann, S., & Nault, B. R. (2015). How do different sources of the variance of consumer ratings matter? *Proceedings of the International Conference on Information Systems, Fort Worth, TX.* (refereed)
- Herrmann, P., Kundisch, D., Zimmermann, S., & Nault, B. R. (2015). Different sources of the variance of online consumer ratings and their impact on price and demand. *Fall 2015 INFORMS Conference on Information Systems and Technology, Philadelphia, PA.* (refereed)
- Gong, F., Nault, B.R., & Cheng, Z (2015). The impact of IT on production interdependence. *Proceedings of the 9th China Summer Workshop on Information Management, Hefei, China.* (refereed)
- Li, W., Mitchell, V.L., & Nault, B. R. (2014). Inconsistent objectives in operating room scheduling. In Y. Guan & H. Liao (Eds.), *Proceedings of the 2014 Industrial and Systems Engineering Research Conference, Montreal, QC.* (refereed)
- Guo, H., Liu, Y., & Nault, B. R. (2013). Technology, interoperability, and provision of public safety networks. *Proceedings of the International Conference on Information Systems, Milano, Italy.* (refereed)
- Nault, B.R., & Zimmermann, S. (2013). Policy, pricing and investment in a two-tier internet. *Fall 2013 INFORMS Conference on Information Systems and Technology, Minneapolis, MN.* (refereed).
- Zhang, D., Lyle, M., & Nault, B. R. (2012). Who reacts to IT investment announcements? *Fall 2012 INFORMS Conference on Information Systems and Technology, Phoenix, AZ.* (refereed).
- Zhang, D., Wei, X., & Nault, B. R. (2011). The impact of IT on productive capacity. *Fall 2011 INFORMS Conference on Information Systems and Technology, Charlotte, NC.* (refereed)
- Li, W., & Nault, B. R. (2011). Variation in processing time in one-of-a-kind production: Case studies using the state space heuristic. *Proceedings of the 41st International Conference on Computers and Industrial Engineering, University of Southern California.* (refereed)
- Han, K., Kauffman, R.J., Mann, A., & Nault, B. R. (2009). Are there contagion effects in IT outsourcing? *Fall 2009 INFORMS Conference on Information Systems and Technology, San Diego, CA.* (refereed)
- Li, W., Nault, B.R., Tu, Y.L., & Xue, D. (2009). A state-space heuristic for adaptive production control in one-of-a-kind production. *Transactions of the North American Manufacturing Research Institution of SME 37, Greenville, SC.* (refereed).
- Han, K., Kauffman, R.J., Mann, A., & Nault, B. R. (2009). Are there contagion effects in the diffusion of IT outsourcing? *Proceedings of the 42nd Hawaii International Conference On Systems Sciences (HICSS-42), Waikoloa, HI.* (refereed).
- Li, W., Nault, B.R., Tu, Y.L., & Xue, D. (2008). A heuristic, state space, for hybrid flow shop production scheduling and control. *Proceedings of the Fall 2008 INFORMS Conference on Manufacturing Systems, Washington, D.C.* (refereed)
- Cheng, Z., & Nault, B. R. (2007). Customer-driven IT spillovers and industry competition. *Proceedings of the Fall 2007 INFORMS Conference on Information Systems and Technology, Seattle, WA.* (refereed)
- Wei, X., Weiss, C., & Nault, B. R. (2007). Experience information goods: Versioning and upgrading. *Fall 2007 INFORMS Conference on Information Systems and Technology, Seattle, WA.* (refereed)
- Wei, X., & Nault, B. R. (2006). Vertically differentiated information goods: Entry deterrence, rivalry clear-out or coexistence. *Fall 2006 INFORMS Conference on Information Systems and Technology, Pittsburgh, PA.* (refereed) (Received Best Paper Award)

- Han, K., Kauffman, R.J., & Nault, B. R. (2005). Does IT outsourcing pay off? Evidence from industry-level data. *Fall 2005 INFORMS Conference on Information Systems and Technology, San Francisco, CA.* (refereed) (Received Best Paper Award)
- Cheng, Z., & Nault, B. R. (2004). Retail coverage and incentives for electronic direct market entry. *Fall 2004 INFORMS Conference on Information Systems and Technology, Myrtle Beach, SC.* (refereed)
- Han, K., Kauffman, R.J., & Nault, B. R. (2004). Innovator or owner? Information sharing, incomplete contracts and governance in financial risk management systems. In R. Sprague (Ed.), *Proceedings of the 37th Hawaii International Conference On Systems Sciences (HICSS-37)*, Big Island HI, IEEE Computer Society Press. (refereed)
- Nault, B.R., & Dexter A.S. (2000). Investments in Electronic Markets. *Fall 2000 Conference on Information Systems and Technology, San Antonio TX.* (refereed)
- Forster, P.W., J.L. King, B.R. Nault & Regan, A. (2000). Information technology adoption and use in u.s. Scheduled air cargo forwarders and airlines. *Cargo Network Services (CNS) Report.*
- Nault, B.R. Information Technology for Freight Transportation Coordination (1998). In *Policy Options for Intermodal Freight Transportation*, Special Report 252 of the Transportation Research Board, National Research Council, National Academy Press, 234-257.
- Sandbillier, K., A. Will, H. U. Buhl, & Nault, B. R. (1997). IT-enabled incentive schemes in telephone banking. In J. F. Nunamaker and R.H. Sprague eds., *Proceedings of the 30th Hawaii International Conference on Systems Sciences*, Band III, Maui HI. Computer Society Press of the IEEE, 249-257.
- Sandbillier, K., A. Will, H. U. Buhl & Nault, B. R. (1997). Improving competitiveness of direct banking via it-enabled incentive schemes. In H. Krallmann Eds., *Wirtschaftsinformatik 97 - Internationale Geschäftstätigkeit auf der Basis flexibler Organisationsstrukturen und leistungsfähiger Informationssysteme (Proceedings of the International Conference on Business Informatics)*, Heidelberg, Germany, 496-511. (refereed)
- Nault, B.R., & Dexter, A.S. (1996). IT-enabled affiliations as organizational forms. *Proceedings of the IEEE International Engineering Management Conference '96*, Vancouver, BC. (refereed)
- Benbasat, I., G. DeSanctis & Nault, B. R. (1991). Empirical research in managerial support systems: a review and assessment. In B. Whinston and C. Halsapple (Eds.), *Proceedings of the NATO Advanced Study Institute on Decision Support Systems*, Springer-Verlag, 383-437.
- Benbasat, I. & Nault, B. R. (1987). Empirical research in decision support and expert systems: An examination of research to date and emerging topics. *Proceedings of the Arthur Young Roundtable*, 255-303.

Working Papers

- Koh, B., Gong, F., & Nault, B.R. (April 2026). The impact of IT investments on the structure of production networks and prices of intermediate inputs.
- Liaghat, P., & Nault, B.R. (March 2026). Protecting privacy in digital service personalization.
- Hojati, A., & Nault, B. R. (March 2026). Content moderation with visibility reduction.
- Fereidouni, M., & Nault, B. R. (March 2026). Fulfillment by Platform and Indirect Self-Preferencing: Anti-Competitive and Welfare Enhancing.
- Napirata, S., Kupfer, A., Zimmermann, S. & Nault, B. R. (March 2026). Sharing or Renting? Platform-Provider Competition for Computing Resources.
- Li, W., Nault, B.R., Tinnell, J.N, Wang, X., & Whitefield, O. (March 2026). Balancing trade-offs in serial process scheduling for a radiology center.
- Hojati, A., & Nault, B. R. (January 2026). A comparative analysis of regulatory approaches to content moderation across western democracies.

- Delkhosh, F., Fereidouni, M., & Nault, B. R. (January 2026). Platform-set vs. Creator-set Resale Royalties in NFT Platforms.
- Vijairaghavan, V., Kupfer, A., & Nault, B. R. (November 2025). Energy productivity implications of IT investments.
- Han, K., Koh, B., Nault, B. R., & Park, J. (November 2025). The differential impact of IT capital on transaction and transformation labor.
- Tuso, I.C., Nault, B.R., & Li, W. (November 2025). The impact of the third moment of completion times on one-stage scheduling for trade-off balancing.
- Delkhosh, F., & Nault, B. R. (August 2025). Resale royalties control on NFT platforms.
- Zhang, J., & Nault, B.R. (July 2025). The impact of AlaaS on the software industry when adopting assistive AI functions is simple.
- Vijairaghavan, V., & Nault, B. R. (January 2025). Platform intermediation and firm investments.
- Liaghat, P., Sabouri, A. & Nault, B.R. (January 2025). Offering a menu of prices: the role of price discrimination in a two-sided market.
- Li, X., Wang, X., & Nault, B. R. (March 2024). Information transparency in distribution channels: when transparency doesn't work.
- Fereidouni, M., & Nault, B. R. (August 2023). Shared platforms: Member-only services in two-sided markets.
- Zhang, J., Ma, J. & Nault, B. R. (July 2023). Licensing agreements for subscription-based digital service provider with proprietary property.
- Fereidouni, M., & Nault, B. R. (November 2022). Shared platform: Competition, cooperation, and coordination.
- Wang, X., Ren, K.S., Vandenbosch, M.B., & Nault, B. R. (May 2020). Using blockchain to impact information efficiency in security markets.
- Vijairaghavan, V., & Nault, B. R. (May 2020). The impact of information technology on firm costs.
- Fereidouni, M., & Nault, B. R. (May 2020). Platform alliances and piggybacking.
- Guo, H., Liu, Y., & Nault, B. R. (April 2019) Cost allocation for cooperative provisioning of public safety networks.
- Mitchell, V.L., Nault, B.R., & Li, W. (July 2015). Integrated learning base and project performance in service reengineering.
- Li, W., Mitchell, V.L., & Nault, B. R. (May 2015). Inconsistencies in objectives for operating room slate scheduling.
- Donaldson, R.G., Levi, M.D., Nault, B.R. & Ruf, T. (August 2013). Exchange-rate variability and foreign factor income.
- Zhang, J., Nault, B.R., & Tu, Y.L. (May 2013). Dynamic pricing and its influence on supply chain performance.
- Han, K., Nault, B.R., & Lee, K. (August 2012). On the relationship of IT labor with IT capital and IT outsourcing in production.
- Wei, X., & Nault, B. R. (February 2011). Vertically differentiated information goods: monopoly power through versioning.

Academic Editorial Review

Department Editor for *Management Science* (2004-2007, ad hoc to present).
 Associate Editor for *MIS Quarterly* (2014); *Information Systems Research* (1993-2005);
Management Science (2002-04; acting 1991-93).

Editorial Board Member, *IEEE Transactions on Engineering Management* (2001-2017), *Production and Operations Management* (2003-2017); *Journal of the Association for Information Systems* (invited) (2002-declined).

Advisory Board Member, *Zeitschrift Wirtschaftsinformatik* (2008), *Information Systems and Economics Abstracting Journal of the Social Science Research Network* (2004-present), *INFORMS Conference of Information Systems and Technology Conference* (2005-present), *Information Systems Society (INFORMS)* (2004-present).

Reviewer, *Social Science and Humanities Research Council, NSERC Canada Research Chairs, The National Science Foundation, Management Science, Information Systems Research, Organization Science, MIS Quarterly, Operations Research, Computational and Mathematical Organization Theory, IEEE Transactions on Engineering Management, Communications of the ACM, Annals of OR, Decision Support Systems, Journal of Organizational Computing, Journal of Strategic Information Systems, International Journal of Operations and Production Management, INFOR: Information Systems and Operational Research, International Conference on Information Systems, Conference of Information Systems and Technology, Hawaii International Conference on System Sciences, Workshop on Information Technologies and Systems, Administrative Sciences Association of Canada, Israel Science Foundation, Natural Science and Engineering Research Council, The Internet Encyclopedia, Journal of Economic Behavior and Organization.*

Conference Administration

Co-Chair and Host, *Theory of Economics of Information Systems Workshop* Host, Banff AB, 2014, 2015, 2025.

Co-Chair, *Theory of Economics of Information Systems Workshop*, Monterey CA, 2013; Napa Valley CA, 2017; Vancouver BC, 2019.

Co-Chair (peer-elected) *Sixth Workshop on Information Systems and Economics*, Vancouver BC, December 1994; Dallas TX, December 2015.

Co-Chair, *University of Alberta/University of Calgary MIS Research Workshop*, Canmore AB, October 2005, 2006.

Program Committee, *Conference of Information Systems and Technology*, Phoenix AZ, 2012; *Privacy 2000 Conference*, Columbus OH, 2000; *International Conference on Information Systems (ICIS)* New York NY, 1991; *Canadian Information Processing Society (CIPS)* Edmonton AB, 1991.

Editor/Senior Scholar Panels: *Fall 2010 INFORMS Conference of Information Systems and Technology, Production Innovation and Technology Management 2008, Fall 2007 INFORMS Conference of Information Systems and Technology, Workshop on Information Systems and Economics 2006, Decision Sciences Institute 2006, Fall 2006 INFORMS Conference of Information Systems and Technology, Fall 2004 INFORMS Conference of Information Systems and Technology.*

Faculty Mentor, *International Conference on Information Systems Doctoral Consortium/Americas Conference on Information Systems Doctoral consortium* (various, declined).

Distinguished Research Visitor, Information Systems PhD Program and *New Faculty Symposium*, Arizona State University, 2009.

Session Leader, Memorial Session for Paul Chwelos, *Workshop on Information Systems and Economics*, Montreal QC, December 2007.

Panelist, "Nurturing Innovation and Educational Impact for Research in Information Systems" *Conference of Information Systems and Technology*, Seattle WA (November 2007).

Session Chair, *INFORMS Toronto* ON, June 2009; *Production Innovation and Technology Management* San Diego CA, May 2008; *INFORMS*, Banff AB, May 2004; *Hawaii*

International Conference on System Sciences, Waikoloa HI January 2007; *Canadian Operational Research Society*, Banff AB, May 2016.

Faculty Mentor, *Center for International Education & Research*, University of Washington Doctoral Consortium, June 2005.

Panelist, *The 6th Annual University of Minnesota Conference on Electronic Commerce*, University of Minnesota, 2002.

External Invitee/Panelist, *University of Minnesota Ph.D. Student Symposium*, University of Minnesota, 2002.

Conference Discussant: *International Conference on Information Systems* New York NY, 1991; Orlando FL, 1993; *Workshop on Information Systems and Economics* (frequent).

Academic Committee

Distinguished Fellow Awards Committee Member, *INFORMS Information Systems Society* (2009, 2012, 2017, 2018).

Committee Member, Chen-Nunamaker Award, *INFORMS Information Systems Society* (2015, 2016).

Committee Member, *SSHRC Doctoral Fellowship Committee-Public and Private Policy Studies* (2007-08).

Committee Member, *INFORMS Conference of Information Systems and Technology Best Paper Award* (2012, 2013, 2021).

Committee Member, *Information Systems Research Review* (2013).

External Reviewer for tenure/promotion cases (many).

Award/Grant Panelist, *National Science Foundation* (2001).

Reviewer, *International Conference on Information Systems Dissertation Award* (2001); Referee for the *INFORMS/Organization Science Dissertation Contest* (1997, 1998).

Research Centre Activities

Establisher, *Informatics Research Centre (iRC)*, Haskayne School of Business, University of Calgary.

Extra-Curricular Activities

2021-present Vice-Chair, Board of Governors, The Resilience Institute

2016-2021 Board of Governors, The Rockies Institute

2010-present Open Paws Trainer/Ambassador/Volunteer, Bow Valley Society to Prevent Cruelty to Animals (Bow Valley SPCA)