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Curriculum Vitae
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Haskayne School of Business
University of Calgary
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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. Accepted at *Int J of Advanced Operations Management*.
- 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*. 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*, 77(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)
- Hidaji, H., Kolfal, B., Nault, B.R., Patterson, R., Rolland, E., & Yeo, L. (2025). IT service disruptions

- and provider choice. *ACM Transactions on Management Information Systems*, 16(3), 1-37. doi: [10.1145/3701040](https://doi.org/10.1145/3701040)
- 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)
- Li, W., Nault, B. R., Mohsin, S. I., & Huang, Y. (2022). Stability of trade-off balancing in one-stage production scheduling. *Manufacturing Letters*, 33, 48-55. doi: [10.1016/j.mfglet.2022.07.014](https://doi.org/10.1016/j.mfglet.2022.07.014)
- Gong, F., Cheng, Z., & Nault, B. R. (2021). The different effects of hardware and software on production interdependence in manufacturing. *Decision Support Systems*, 145, 113521. doi: [10.1016/j.dss.2021.113521](https://doi.org/10.1016/j.dss.2021.113521)
- 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)
- Koh, B., Raghunathan, S., & Nault, B. R. (2020). An empirical examination of voluntary profiling: Privacy and quid pro quo. *Decision Support Systems*, 132, 113285. doi: [10.1016/j.dss.2020.113285](https://doi.org/10.1016/j.dss.2020.113285)
- He, J., Wang, X., Vandenbosch, M. B., & Nault, B. R. (2020). Revealed preference in online reviews: Purchase verification in the tablet market. *Decision Support Systems*, 132, 113281. doi: [10.1016/j.dss.2020.113281](https://doi.org/10.1016/j.dss.2020.113281)
- Zhang, D., Nault, B. R., & Wei, X. (2019). The strategic value of information technology in setting productive capacity. *Information Systems Research*, 30(4), 1124-1144. doi: [10.1287/isre.2019.0855](https://doi.org/10.1287/isre.2019.0855)
- Ye, H., Li, W., & Nault, B. R. (2020). Trade-off balancing between maximum and total completion times for no-wait flow shop production. *International Journal of Production Research*, 58(11), 3235-3251. doi: [10.1080/00207543.2019.1630777](https://doi.org/10.1080/00207543.2019.1630777)
- Zhang, D. D., & Nault, B. R. (2019). Measuring risk from IT initiatives using implied volatility. *Journal of the Association for Information Systems*, 20(11), 5. doi: [10.17705/1jais.00578](https://doi.org/10.17705/1jais.00578)
- Nault, B. R., & Zimmermann, S. (2019). Balancing openness and prioritization in a two-tier Internet. *Information Systems Research*, 30(3), 745-763. doi: [10.1287/isre.2018.0828](https://doi.org/10.1287/isre.2018.0828)
- Nault, B. R., & Rahman, M. S. (2019). Proximity to a traditional physical store: The effects of mitigating online disutility costs. *Production and Operations Management*, 28(4), 1033-1051. doi: [10.1111/poms.12957](https://doi.org/10.1111/poms.12957)

- 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)
- Zimmermann, S., Herrmann, P., Kundisch, D., & Nault, B. R. (2018). Decomposing the variance of consumer ratings and the impact on price and demand. *Information Systems Research*, 29(4), 984-1002. doi: [10.1287/isre.2017.0764](https://doi.org/10.1287/isre.2017.0764)
- Zimmermann, S., Angerer, P., Provin, D., & Nault, B. R. (2018). Pricing in C2C sharing platforms. *Journal of the Association for Information Systems*, 19(8), 4. doi: [10.17705/1jais.00505](https://doi.org/10.17705/1jais.00505)
- Ye, H., Li, W., Abedini, A., & Nault, B. (2017). An effective and efficient heuristic for no-wait flow shop production to minimize total completion time. *Computers & Industrial Engineering*, 108, 57-69. doi: [10.1016/j.cie.2017.04.002](https://doi.org/10.1016/j.cie.2017.04.002)
- Liu, Y., Guo, H., & Nault, B. R. (2017). Organization of public safety networks: spillovers, interoperability, and participation. *Production and Operations Management*, 26(4), 704-723. doi: [10.1111/poms.12644](https://doi.org/10.1111/poms.12644)
- Ba, S., & Nault, B. R. (2017). Emergent themes in the interface between economics of information systems and management of technology. *Production and Operations Management*, 26(4), 652-666. doi: [10.1111/poms.12644](https://doi.org/10.1111/poms.12644)
- Koh, B., Raghunathan, S., & Nault, B. R. (2017). Is voluntary profiling welfare enhancing?. *MIS Quarterly*, 41(1), 23-42. doi: [10.25300/misq/2017/41.1.02](https://doi.org/10.25300/misq/2017/41.1.02)
- Gong, F., Nault, B. R., & Rahman, M. S. (2016). Research note—An internet-enabled move to the market in logistics. *Information systems research*, 27(2), 440-452. doi: [10.1287/isre.2016.0625](https://doi.org/10.1287/isre.2016.0625)
- Zhang, J., Nault, B. R., & Tu, Y. (2015). A dynamic pricing strategy for a 3PL provider with heterogeneous customers. *International Journal of Production Economics*, 169, 31-43. doi: [10.1016/j.ijpe.2015.07.017](https://doi.org/10.1016/j.ijpe.2015.07.017)
- Li, W. M., Mitchell, V., Nault, B. R., & Brind, D. (2015). Operating room scheduling and adaptive control using a priority first fit decreasing heuristic. *Engineering Management Research*, 4(2), 46-53. doi: [10.5539/emr.v4n2p46](https://doi.org/10.5539/emr.v4n2p46)
- Zhang, D., Cheng, Z., Mohammad, H.Q., & Nault, B.R. (2015). Information technology substitution revisited. *Information Systems Research*, 26(3), 480-495. doi: [10.1287/isre.2015.0570](https://doi.org/10.1287/isre.2015.0570)
- Kundisch, D. O., Mittal, N., & Nault, B. R. (2014). Research commentary—Using income accounting as the theoretical basis for measuring IT productivity. *Information Systems Research*, 25(3), 449-467. (Nominated for European Research Paper of the Year 2015 Award) doi: [10.1287/isre.2014.0534](https://doi.org/10.1287/isre.2014.0534)
- Wei, X., & Nault, B. R. (2014). Monopoly versioning of information goods when consumers have group tastes. *Production and Operations Management*, 23(6), 1067-1081. doi: [10.1111/poms.12180](https://doi.org/10.1111/poms.12180)
- Kleis, L., Nault, B. R., & Dexter, A. S. (2014). Producing synergy: innovation, IT, and productivity. *Decision Sciences*, 45(5), 939-969. doi: [10.1111/decj.12093](https://doi.org/10.1111/decj.12093)
- Wei, X. D., & Nault, B. R. (2013). Experience information goods: “Version-to-upgrade”. *Decision Support Systems*, 56, 494-501. doi: [10.1016/j.dss.2012.11.006](https://doi.org/10.1016/j.dss.2012.11.006)
- Osborn, B., & Nault, B. R. (2012). A classification of supply chain problems. *Engineering Management Research*, 1(2). doi: [10.5539/emr.v1n2p1](https://doi.org/10.5539/emr.v1n2p1)

- Nault, B. R., Yang, W., & Tu, Y. (2012). Dynamic price quotation in a responsive supply chain for one-of-a-kind production. *International Journal of Production Economics*, 139(1), 275-287. doi: [10.1016/j.ijpe.2012.05.011](https://doi.org/10.1016/j.ijpe.2012.05.011)
- Cheng, Z., & Nault, B. R. (2012). Relative industry concentration and customer-driven IT spillovers. *Information Systems Research*, 23(2), 340-355. doi: [10.1287/isre.1100.0345](https://doi.org/10.1287/isre.1100.0345)
- Han, K., Kauffman, R. J., & Nault, B. R. (2011). Research note—Returns to information technology outsourcing. *Information Systems Research*, 22(4), 824-840. doi: [10.1287/isre.1100.0290](https://doi.org/10.1287/isre.1100.0290)
- Han, K., Kauffman, R.J., Mann, A., & Nault, B. R. (2011). Are there contagion effects in IT outsourcing? *Decision Support Systems*, 51(4), 864-874. doi: [10.1016/j.dss.2011.02.005](https://doi.org/10.1016/j.dss.2011.02.005)
- Jeffers, P. I., & Nault, B. R. (2011). Why competition from a multi-channel e-tailer does not always benefit consumers. *Decision Sciences*, 42(1), 69-91. doi: [10.1111/j.1540-5915.2010.00302.x](https://doi.org/10.1111/j.1540-5915.2010.00302.x)
- Li, W., Nault, B. R., Xue, D., & Tu, Y. (2011). An efficient heuristic for adaptive production scheduling and control in one-of-a-kind production. *Computers & Operations Research*, 38(1), 267-276. doi: [10.1016/j.cor.2010.05.002](https://doi.org/10.1016/j.cor.2010.05.002)
- Ullah, M., Wei, X. D., Nault, B. R., & Ruhe, G. (2010). Balancing Business and Technical Objectives for Supporting Software Evolution. *International Journal of Software Engineering and Computing*, 2(2), 75-93.
- Mittal, N., & Nault, B. R. (2009). Research note—Investments in information technology: Indirect effects and information technology intensity. *Information systems research*, 20(1), 140-154. doi: [10.1287/isre.1080.0186](https://doi.org/10.1287/isre.1080.0186)
- Jeffers, P. I., Muhanna, W. A., & Nault, B. R. (2008). Information technology and process performance: an empirical investigation of the interaction between IT and non-IT resources. *Decision sciences*, 39(4), 703-735. doi: [10.1111/j.1540-5915.2008.00209.x](https://doi.org/10.1111/j.1540-5915.2008.00209.x)
- Han, K., Kauffman, R. J., & Nault, B. R. (2008). Relative importance, specific investment and ownership in interorganizational systems. *Information Technology and Management*, 9, 181-200. doi: [10.1007/s10799-008-0039-9](https://doi.org/10.1007/s10799-008-0039-9)
- Cheng, Z., & Nault, B. R. (2007). Industry level supplier-driven IT spillovers. *Management Science*, 53(8), 1199-1216. doi: [10.1287/mnsc.1060.0657](https://doi.org/10.1287/mnsc.1060.0657)
- Cheng, Z., & Nault, B. R. (2007). Internet channel entry: retail coverage and entry cost advantage. *Information Technology and Management*, 8, 111-132. doi: [10.1007/s10799-007-0015-9](https://doi.org/10.1007/s10799-007-0015-9)
- Mitchell, V. L., & Nault, B. R. (2007). Cooperative planning, uncertainty, and managerial control in concurrent design. *Management Science*, 53(3), 375-389. doi: [10.1287/mnsc.1060.0641](https://doi.org/10.1287/mnsc.1060.0641)
- Dexter, A. S., & Nault, B. R. (2006). Membership and incentives in network alliances. *IEEE Transactions on Engineering Management*, 53(2), 250-262. doi: [10.1109/tem.2006.872246](https://doi.org/10.1109/tem.2006.872246)
- Nault, B. R., & Dexter, A. S. (2006). Agent-intermediated electronic markets in international freight transportation. *Decision Support Systems*, 41(4), 787-802. doi: [10.1016/s0167-9236\(04\)00236-2](https://doi.org/10.1016/s0167-9236(04)00236-2)
- Dexter, A. S., Levi, M. D., & Nault, B. R. (2005). International trade and the connection between excess demand and inflation. *Review of International Economics*, 13(4), 699-708. doi: [10.1111/j.1467-9396.2005.00532.x](https://doi.org/10.1111/j.1467-9396.2005.00532.x)
- Han, K., Kauffman, R. J., & Nault, B. R. (2004). Information exploitation and interorganizational systems ownership. *Journal of Management Information Systems*, 21(2), 109-135. doi: [10.1080/07421222.2004.11045799](https://doi.org/10.1080/07421222.2004.11045799)
- Cottrell, T., & Nault, B. R. (2004). Product variety and firm survival in the microcomputer software industry. *Strategic Management Journal*, 25(10), 1005-1025. doi: [10.1002/smj.408](https://doi.org/10.1002/smj.408)
- Levi, M. D., & Nault, B. R. (2004). Converting technology to mitigate environmental damage. *Management Science*, 50(8), 1015-1030. doi: [10.1287/mnsc.1040.0238](https://doi.org/10.1287/mnsc.1040.0238)

- Dexter, A. S., Levi, M. D., & Nault, B. R. (2002). Sticky prices: The impact of regulation. *Journal of monetary Economics*, 49(4), 797-821. doi: [10.1016/s0304-3932\(02\)00119-8](https://doi.org/10.1016/s0304-3932(02)00119-8)
- Nault, B. R., & Tyagi, R. K. (2001). Implementable mechanisms to coordinate horizontal alliances. *Management Science*, 47(6), 787-799. doi: [10.1287/mnsc.47.6.787.9808](https://doi.org/10.1287/mnsc.47.6.787.9808)
- Nault, B. R., & Vandenbosch, M. B. (2000). Disruptive technologies—Explaining entry in next generation information technology markets. *Information Systems Research*, 11(3), 304-319. doi: [10.1287/isre.11.3.304.12208](https://doi.org/10.1287/isre.11.3.304.12208)
- Nault, B. R. (1998). Information technology and organization design: Locating decisions and information. *Management Science*, 44(10), 1321-1335. doi: [10.1287/mnsc.44.10.1321](https://doi.org/10.1287/mnsc.44.10.1321)
- Nault, B. R., & Storey, V. C. (1998). Using object concepts to match artificial intelligence techniques to problem types. *Information & management*, 34(1), 19-31. doi: [10.1016/s0378-7206\(98\)00042-1](https://doi.org/10.1016/s0378-7206(98)00042-1)
- Nault, B. R., Dexter, A. S., & Wolfe, R. (1997). Electronic communication innovations: Overcoming adoption resistance. *Wirtschaftsinformatik*, 2, 114-120.
- Bakos, J. Y., & Nault, B. R. (1997). Ownership and investment in electronic networks. *Information Systems Research*, 8(4), 321-341. doi: [10.1287/isre.8.4.321](https://doi.org/10.1287/isre.8.4.321)
- Nault, B. R., Wolfe, R. A., & Dexter, A. S. (1997). Support strategies to foster adoption of interorganizational innovations. *IEEE Transactions on Engineering Management*, 44(4), 378-389. doi: [10.1109/17.649868](https://doi.org/10.1109/17.649868)
- Nault, B. R. (1997). Quality differentiation and adoption costs: The case for interorganizational information system pricing. *Annals of Operations Research*, 71(0), 115-142. doi: [10.1023/A:1018959212847](https://doi.org/10.1023/A:1018959212847)
- Nault, B. R. (1997). Information technology and investment incentives in distributed operations. *Information Systems Research*, 8(2), 196-202. doi: [10.1287/isre.8.2.196](https://doi.org/10.1287/isre.8.2.196)
- Nault, B. R. (1997). Mitigating underinvestment through an IT-enabled organization form. *Organization Science*, 8(3), 223-234. (Citation of Excellence: ANBAR Electronic Intelligence) doi: [10.1287/orsc.8.3.223](https://doi.org/10.1287/orsc.8.3.223)
- Nault, B. R., & Vandenbosch, M. B. (1996). Eating your own lunch: Protection through preemption. *Organization Science*, 7(3), 342-358. (Reprinted as Chapter 8 in *Managing in Times of Disorder*, A. Ilinitich, A. Lewin, and R. D'Aveni, eds., SAGE Publications: Thousand Oaks, 1998, 171-206.) doi: [10.1287/orsc.7.3.342](https://doi.org/10.1287/orsc.7.3.342)
- Nault, B. R. (1996). Equivalence of taxes and subsidies in the control of production externalities. *Management Science*, 42(3), 307-320. (Citation of Excellence: ANBAR Electronic Intelligence) doi: [10.1287/mnsc.42.3.307](https://doi.org/10.1287/mnsc.42.3.307)
- Nault, B. R., & Dexter, A. S. (1995). Added value and pricing with information technology. *MIS Quarterly*, 449-464. doi: [10.2307/249628](https://doi.org/10.2307/249628)
- Nault, B. R., & Dexter, A. S. (1994). Adoption, transfers, and incentives in a franchise network with positive externalities. *Marketing Science*, 13(4), 412-423. doi: [10.1287/mksc.13.4.412](https://doi.org/10.1287/mksc.13.4.412)
- Dexter, A. S., Levi, M. D., & Nault, B. R. (1993). Freely determined versus regulated prices: implications for the measured link between money and inflation. *Journal of Money, Credit and Banking*, 25(2), 222-230. doi: [10.2307/2077838](https://doi.org/10.2307/2077838)
- R. Banker, RJ Kauffman and M. Mahmood (Eds), *Strategic information technology management: Perspectives on organizational growth and competitive advantage* (pp. 297-316). Harrisburg, PA: Idea Group Publishing.
- Benbasat, I., & Nault, B. R. (1990). An evaluation of empirical research in managerial support systems. *Decision Support Systems*, 6(3), 203-226. doi: [10.1016/0167-9236\(90\)90015-j](https://doi.org/10.1016/0167-9236(90)90015-j)

Conference Papers and Proceedings

- 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.
- Sandbiller, 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.
- Sandbiller, 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

- Delkhosh, F., Fereidouni, M., & Nault, B. R. (January 2026). Platform-set vs. Creator-set Resale Royalties in NFT Platforms.
- Li, W., Nault, B.R., Tinnell, J.N, Wang, X., & Whitefield, O. (December 2025). Balancing trade-offs in serial process scheduling for a radiology center.
- Hojati, A., & Nault, B. R. (December 2025). A comparative analysis of content moderation governance: regulatory approaches in the US, EU, UK, and Germany.
- Vijairaghavan, V., Kupfer, A., & Nault, B. R. (November 2025). Energy productivity implications of IT investments.
- Koh, B., Gong, F., & Nault, B.R. (November 2025). The impact of IT investments on the structure of production networks and prices of intermediate inputs.
- 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.
- Liaghat, P., & Nault, B.R. (October 2025). Protecting privacy in digital service personalization.
- 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.
- Hojati, A., & Nault, B. R. (July 2025). Content moderation with visibility reduction.
- Napirata, S., Kupfer, A., Zimmermann, S. & Nault, B. R. (April 2025). Sharing versus rental of 'need-to-use' goods.
- 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.

Fereidouni, M., & Nault, B. R. (August 2023). Biased intermediation and policy regulations.

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, *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, Social Science and Humanities 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)