

September 9, 2021

**Curriculum Vitae**  
**Dr. Barrie R. Nault**

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

**Academic Experience**

- 2017-present Distinguished Research Professor in Business Technology Management (MIS), Haskayne School of Business, University of Calgary; Director of the Informatics Research Centre (2003-present)
- 2001-2017 Robson Professor in Business Technology Management (MIS), Haskayne School of Business, University of Calgary
- 2011-present Distinguished Fellow of the INFORMS Information Systems Society
- 2001-2005 Adjunct Professor, Department of Accounting and MIS, Fisher College of Business, The Ohio State University
- 1999-2001 Associate Professor, Department of Accounting and MIS, Fisher College of Business, The Ohio State University; Director of the Center for IT Management (2000-2001)
- 1997-1999 Associate Professor, Graduate School of Management, University of California, Irvine
- 1994-1997 Assistant Professor, 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; Electronic Commerce; Incentives and Investments in Networks; Systems Engineering; Organizational Transformation; Management of Technology; Internet Policy; Smart Grids; Public Safety Networks.

**Education**

- Doctor of Philosophy (Ph.D.) (1990), University of British Columbia (UBC)  
*Major:* Management Information Systems (MIS); *Minor:* Finance, Marketing, Economics, Game Theory
- Bachelor of Commerce (1983), McGill University  
*Major:* Management Science (under MBA program); *Minor:* MIS, Finance

**Refereed Journal Articles or Book Chapters**

- Guo, H., Liu, Y., and B.R. Nault. Provisioning Interoperable Disaster Management Systems: Integrated, Unified, and Federated Approaches. *MIS Quarterly*, 45(1), March 2021, 45-82.
- Gong, F., Nault, B.R., and Z. Cheng. The Different Effects of Hardware and Software on Production Interdependence in Manufacturing. *Decision Support Systems*, 145, June 2021.
- Zhang, D., Lyle, M., and B.R. Nault. Trading Volume and Open Interest from the Options Markets as

- Measures of the Effect of IT Announcements. Accepted at *Information Technology Management*. March 2020.
- Koh, B., Raghunathan, S., and B.R. Nault. An Empirical Examination of Voluntary Profiling: Privacy and Quid Pro Quo. *Decision Support Systems*, 132, May 2020.
- He, J., Wang, X., Vandenbosch, M.B., and B.R. Nault. Revealed Preference in Online Reviews: Purchase Verification in the Tablet Market. *Decision Support Systems*, 132, May 2020.
- Zhang, D., Nault, B.R. and X. Wei. The Strategic Value of IT in Setting Productive Capacity. *Information Systems Research*, 30(4), December 2019, 1124-1144.
- Ye, H., Li, W., and B.R. Nault. Trade-off Balancing Between Maximum and Total Completion Times for No-Wait Flow Shop Production. *International Journal of Production Research*, 58(11), November 2019, 3235-3251.
- Zhang, D., and B.R. Nault. Measuring Risk from IT Initiatives Using Implied Volatility. *Journal of the Association for Information Systems*, 20(11), November 2019, 247-265.
- Nault, B.R., and S. Zimmermann. Balancing Openness and Prioritization in a Two-Tier Internet. *Information Systems Research*, 30(3), September 2019, 745-763.
- Nault, B.R., and M.S. Rahman. Proximity to a Traditional Physical Store: The Effects of Mitigating Online Disutility Costs. *Production and Operations Management*, 28(4), April 2019, 1033-1051.
- Zhang, J., Nault, B.R., and R.G. Dimitrakopoulos. Optimizing Mineral Value Chain with Market Uncertainty using Benders Decomposition. *European Journal of Operational Research*, 274 (1), April 2019, 227-239.
- Li, W., Nault, B.R., and H. Ye. Trade-off Balancing in Scheduling for Flow Shop Production and Perioperative Processes. *European Journal of Operational Research*, 273(3), March 2019, 817-830.
- Zimmermann, S., Herrmann, P., Kundisch, D., and B.R. Nault. Decomposing the Variance of Consumer Ratings and their Impact on Price and Demand. *Information Systems Research*, 29(4), December 2018, 984-1002.
- Zimmermann, S., Angerer, P., Provin, D., and B.R. Nault. Pricing in C2C Sharing Platforms. *Journal of the Association for Information Systems*, 19(7), August 2018, 671-687.
- Ye, H., Li, W., Abedini, A., and B.R. Nault. An Effective and Efficient Heuristic for N-Wait Flow Shop Production to Minimize Total Completion Time. *Computers & Industrial Engineering*, 108, June 2017, 57-69.
- Liu, Y., Guo, H., and B.R. Nault. Organization of Public Safety Networks: Spillovers, Interoperability, and Participation. *Production and Operations Management*, 26(4), April 2017, 704-723.
- Ba, S., and B.R. Nault. Emergent Themes in the Interface Between Economics of Information Systems and Management of Technology. *Production and Operations Management*, 26(4), April 2017, 652-666.
- Koh, B., Raghunathan, S., and B.R. Nault. Is Voluntary Profiling Welfare Enhancing? *MIS Quarterly*, 41(1), March 2017, 23-41.
- Gong, F., Nault, B.R., and M. Rahman. An Internet-Enabled Move to the Market in Logistics. *Information Systems Research*, 27(2), June 2016, 440-452.
- Zhang, J., Nault, B.R., and Y.L. Tu. A Dynamic Pricing Method for a 3PL Provider with Heterogeneous Customers. *International Journal of Production Economics*, 169, November 2015, 31-43.
- Li, W., Mitchell, V.L., Nault, B.R., and D. Brind. Operating Room Scheduling and Adaptive Control Using a Priority First Fit Decreasing Heuristic. *Engineering Management Research*, 4(2), November 2015, 46-53.
- Zhang, D., Cheng, Z., Mohammad, H.Q., and B.R. Nault. Information Technology Substitution Revisited. *Information Systems Research*, 26(3), September 2015, 480-495.

- Kundisch, D., Mittal, N., and B.R. Nault. Using Income Accounting as the Theoretical Basis for Measuring IT Productivity. *Information Systems Research*, 23(5), September 2014, 449-467. (Nominated for European Research Paper of the Year 2015 Award)
- Wei, X., and B.R. Nault. Monopoly Versioning of Information Goods When Consumers Have Group Tastes. *Production and Operations Management*, 23(6), June 2014, 1067-1081.
- Kleis, L., Nault, B.R., and A.S. Dexter. Producing Synergy: Innovation, IT and Productivity. *Decision Sciences*, 45(5), October 2014, 939-969.
- Wei, X., and B.R. Nault. Experience Information Goods: Version-to-Upgrade. *Decision Support Systems*, 56, December 2013, 494-501.
- Osborn, B., and B.R. Nault. A Classification of Supply Chain Problems. *Engineering Management Research*, 1(2), November 2012, 1-15.
- Zhang, J., Nault, B.R., Yang, W., and Y. Tu. Dynamic Price Quotation in a Responsive Supply Chain for One-of-a-Kind Production. *International Journal of Production Economics*, 139, September 2012, 275-287.
- Cheng, Z., and B.R. Nault. Relative Industry Concentration and Customer-Driven IT Spillovers. *Information Systems Research*, 23(2), June 2012, 340-355.
- Han, K., Kauffman, R.J., and B.R. Nault. Returns to Information Technology Outsourcing. *Information Systems Research*, 22(4), December 2011, 824-840.
- Han, K., Kauffman, R.J., Mann, A., and B.R. Nault. Are There Contagion Effects in IT Outsourcing? *Decision Support Systems*, 51(4), November 2011, 864-874.
- Jeffers, P.I., and B.R. Nault. Why Competition From a Multi-Channel E-Tailer Does Not Always Benefit Consumers. *Decision Sciences*, 42(1), February 2011, 69-91.
- Li, W., Nault, B.R., Xue, D., and Y.L. Tu. An Efficient Heuristic for Adaptive Production Scheduling and Control in One-of-a-Kind Production. *Computers and OR*, 38, 2011, 267-276.
- Ullah, M.I., Wei, X., Nault, B.R., and G. Rhue. Balancing Business and Technical Objectives for Supporting Software Evolution. *International Journal of Software Engineering and Computing*, 2(2), July-December 2010, 75-93.
- Mittal, N., and B.R. Nault. Investments in Information Technology: Indirect Effects and Information Technology Intensity. *Information Systems Research*, 20(1), March 2009, 140-154.
- Jeffers, P.I., Muhanna, W., and B.R. Nault. Information Technology and Process Performance: An Empirical Investigation of the Interaction Between IT and Non-IT Resources. *Decision Sciences*, 39(4), November 2008, 703-735.
- Han, K., Kauffman, R.J., and B.R. Nault. Relative Importance, Specific Investment and Ownership in Interorganizational Systems. *Information Technology and Management*, 9(3), September 2008, 181-200.
- Cheng, Z., and B.R. Nault. Industry Level Supplier-Driven IT Spillovers. *Management Science*, 53(8), August 2007, 1199-1216.
- Cheng, Z., and B.R. Nault. Internet Channel Entry: Retail Coverage and Entry Cost Advantage. *Information Technology Management*, 8(2), June 2007, 111-133.
- Mitchell, V.L., and B.R. Nault. Cooperative Planning, Uncertainty, and Managerial Control in Concurrent Design. *Management Science*, 53(3), March 2007, 375-389.
- Dexter, A.S., and B.R. Nault. Membership and Incentives in Network Alliances. *IEEE Transactions on Engineering Management*, 53(2), May 2006, 250-262.
- Nault, B.R., and A.S. Dexter. Agent-Intermediated Electronic Markets in International Freight Transportation. *Decision Support Systems*, 41, May 2006, 787-802.
- Dexter, A.S., M. D. Levi and B.R. Nault. International Trade and the Connection Between Excess Demand and Inflation. *Review of International Economics*, 13(4), September 2005, 699-708.
- Han, K., Kauffman, R.J., and B.R. Nault. Information Exploitation and Interorganizational System Ownership. *Journal of Management Information Systems*, 21(2), Fall 2004, 109-135.

- Cottrell, T., and B.R. Nault. Product Variety and Firm Survival in the Microcomputer Software Industry. *Strategic Management Journal*, 25(10), October 2004, 1005-1026.
- Levi, M.D., and B.R. Nault. Converting Technology to Mitigate Environmental Damage. *Management Science*, 50(8), August 2004, 1015-1030.
- Dexter, A.S., M. D. Levi and B.R. Nault. Sticky Prices: The Impact of Regulation. *Journal of Monetary Economics*, 49, 2002, 797-821.
- Nault, B.R., and R.K. Tyagi. Implementable Mechanisms to Coordinate Horizontal Alliances. *Management Science*, 47(6), June 2001, 787-799.
- Nault, B.R., and M.B. Vandenbosch. Disruptive Technologies: Explaining Entry in Next Generation Information Technology Markets. *Information Systems Research*, 11(3) September 2000, 304-319.
- Nault, B.R. Information Technology and Organizational Design: Locating Decisions and Information. *Management Science*, 44(10), October 1998, 1321-1335.
- Nault B.R., and V.C. Storey. Using Object Concepts to Match Artificial Intelligence Techniques to Problem Types. *Information and Management*, 34(1), August 1998, 19-31.
- Nault, B.R., Dexter, A.S. and R. Wolfe. Electronic Communication Innovations: Overcoming Adoption Resistance. *Wirtschaftsinformatik*, 2, April 1998, 114-120.
- Bakos, J.Y. and B.R. Nault. Ownership and Investment in Electronic Networks. *Information Systems Research*, 8(4), December 1997, 321-341.
- Nault, B.R., R. Wolfe and A.S. Dexter. Support Strategies to Foster Adoption of Interorganizational Innovations. *IEEE Transactions on Engineering Management*, 44(4), November 1997, 378-389.
- Nault, B.R. Quality Differentiation and Adoption Costs: The Case for Interorganizational Information Systems Pricing. *Annals of Operations Research*, 71, 1997, 115-142.
- Nault, B.R. Information Technology and Investment Incentives in Distributed Operations. *Information Systems Research*, 8(2), June 1997, 196-202.
- Nault, B.R. Mitigating Underinvestment Through an IT-Enabled Organization Form. *Organization Science*, 8(3), May-June 1997, 223-234. (Citation of Excellence: ANBAR Electronic Intelligence)
- Nault, B.R. and M.B. Vandenbosch. Eating Your Own Lunch: Protection Through Preemption. *Organization Science*, 7(3), May-June 1996, 342-358. (Reprinted as Chapter 8 in *Managing in Times of Disorder*, A. Ilinitch, A. Lewin, and R. D'Aveni, eds., SAGE Publications: Thousand Oaks, 1998, 171-206.)
- Nault, B.R. Equivalence of Taxes and Subsidies in the Control of Production Externalities. *Management Science*, 42(3), March 1996, 307-320. (Citation of Excellence: ANBAR Electronic Intelligence)
- Nault, B.R. and A.S. Dexter. Added Value and Pricing with Information Technology. *MIS Quarterly*, 19(4), December 1995, 449-463.
- Nault, B.R., and A.S. Dexter. Adoption, Transfers and Incentives in a Franchise Network with Positive Externalities. *Marketing Science*, 13(4), Fall 1994, 412-423.
- Dexter, A.S., Levi, M.D. and B.R. Nault. Freely Determined Versus Regulated Prices: Implications for the Link Between Money and Inflation. *Journal of Money, Credit and Banking*, 25(2), May 1993, 222-231.
- Nault, B. R. and A. S. Dexter. Interorganizational Information Systems in Industrial Markets. Chapter 14 in *Strategic Information Technology Management: Perspectives on Organizational Growth and Competitive Advantage*, R. Banker et. al eds., Idea Group Publishing Inc., 1992, 297-316.
- Benbasat, I. and B.R. Nault. An Evaluation of Empirical Research in Managerial Support Systems. *Decision Support Systems*, 6 (1990), 203-226.

## Other Publications

- Fereidouini, M., and B.R. Nault. Digital Piracy: Detection, Imposition, and Restitution. Forthcoming in *Proceedings of the Fall 2021 INFORMS Conference on Information Systems and Technology*, Austin TX, October 2021. (refereed)
- Li, W., Nault, B.R., You, J., and B. Bilderback. Balancing Trade-Offs in One-Stage Production with Processing Time Uncertainty. *Procedia Manufacturing*, 53 (2021), 8-15. (*Proceedings of the North American Manufacturing Research Conference, NAMRC 49*, Cincinnati OH, June 2021.) (refereed)
- Vijairaghavan, V., and B.R. Nault. Smart Grids: Incentivizing Growth and Investment in Demand Response. *Proceedings of the Fall 2019 INFORMS Conference on Information Systems and Technology*, Seattle WA, October 2019. (refereed)
- Zhang, J., and B.R. Nault. The Competition Between Edge Providers and the Impact of Analytics Technology. *Proceedings of the Fall 2019 INFORMS Conference on Information Systems and Technology*, Seattle WA, October 2019. (refereed)
- Wang, X., He, J., Vandenbosch, M.B., and B.R. Nault. Revealed Preference in Online Reviews: Purchase Verification in the Tablet Market. *Proceedings of the Fall 2018 INFORMS Conference on Information Systems and Technology*, Phoenix AZ, November 2018. (refereed)
- Zhang, J. and B.R. Nault. Upstream Information Sharing in a Make-to-Order Supply Chain. *Proceedings of the Fall 2017 INFORMS Conference on Information Systems and Technology*, Houston TX, October 2017. (refereed)
- Li, W., Nault, B.R., Abedini, A., Pan, X., Ye, H., Jawahir, I.S., Rouch, K. and K. Saito. 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, September 2017.
- Gong, F., Nault, B.R., and Z. Cheng. The Impact of IT in Production Interdependence. *Proceedings of the Fall 2016 INFORMS Conference on Information Systems and Technology*, Nashville TN, November 2016. (refereed)
- Zhang, D., and B.R. Nault. Do IT Investments Impact Ex-Ante Firm Risk? – New Evidence from the Option Market. *Proceedings of the 10<sup>th</sup> China Summer Workshop on Information Management*, Dalian, China, June 2016. (refereed)
- Herrmann, P., Kundisch, D., Zimmermann, S., and B.R. Nault. How Do Different Sources of the Variance of Consumer Ratings Matter? *Proceedings of the International Conference on Information Systems*, Fort Worth TX, December 2015. (refereed)
- Herrmann, P., Kundisch, D., Zimmermann, S., and B.R. Nault. Different Sources of the Variance of Online Consumer Ratings and their Impact on Price and Demand. *Proceedings of the Fall 2015 INFORMS Conference on Information Systems and Technology*, Philadelphia PA, October 2015. (refereed)
- Gong, F., Nault, B.R., and Z. Cheng. The Impact of IT on Production Interdependence. *Proceedings of the 9<sup>th</sup> China Summer Workshop on Information Management*, Hefei, China, June 2015. (refereed)
- Li, W., Mitchell, V.L., and B.R. Nault. Inconsistent Objectives in Operating Room Scheduling. *Proceedings of the 2014 Industrial and Systems Engineering Research Conference*, Y. Guan and H. Liao eds., Montreal QC, June 2014. (refereed)
- Guo, H., Liu, Y., and B.R. Nault. Technology, Interoperability, and Provision of Public Safety Networks. *Proceedings of the International Conference on Information Systems*, Milano, Italy, December 2013. (refereed)
- Nault, B.R., and S. Zimmermann. Policy, Pricing and Investment in a Two-Tier Internet. *Proceedings of the Fall 2013 INFORMS Conference on Information Systems and Technology*, Minneapolis MN, October 2013. (refereed).

- Zhang, D., Lyle, M., and B.R. Nault. Who Reacts to IT Investment Announcements? *Proceedings of the Fall 2012 INFORMS Conference on Information Systems and Technology*, Phoenix AZ, October 2012. (refereed).
- Zhang, D., Wei, X., and B.R. Nault. The Impact of IT on Productive Capacity. *Proceedings of the Fall 2011 INFORMS Conference on Information Systems and Technology*, Charlotte NC, November 2011. (refereed)
- Li, W., and B.R. Nault. Variation in Processing Time in One-of-a-Kind Production: Case Studies Using the State Space Heuristic. *Proceedings of the 41<sup>st</sup> International Conference on Computers and Industrial Engineering*, University of Southern California, October 2011. (refereed)
- Han, K., Kauffman, R.J., Mann, A., and B.R. Nault. Are There Contagion Effects in IT Outsourcing? *Proceedings of the Fall 2009 INFORMS Conference on Information Systems and Technology*, San Diego CA, October 2009. (refereed)
- Li, W., Nault, B.R., Tu, Y.L., and D. Xue. 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, May 2009. (refereed).
- Han, K., Kauffman, R.J., Mann, A., and B.R. Nault. Are There Contagion Effects in the Diffusion of IT Outsourcing? *Proceedings of the 42<sup>th</sup> Hawaii International Conference On Systems Sciences (HICSS-42)*, Waikoloa HI, January 2009. (refereed).
- Li, W., Nault, B.R., Tu, Y.L., and D. Xue. 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., October 2008. (refereed)
- Cheng, Z., and B.R. Nault. Customer-Driven IT Spillovers and Industry Competition *Proceedings of the Fall 2007 INFORMS Conference on Information Systems and Technology*, Seattle WA, November 2007. (refereed)
- Wei, X., Weiss, C., and B.R. Nault. Experience Information Goods: Versioning and Upgrading. *Proceedings of the Fall 2007 INFORMS Conference on Information Systems and Technology*, Seattle WA, November 2007. (refereed)
- Wei, X., and B.R. Nault. Vertically Differentiated Information Goods: Entry Deterrence, Rivalry Clear-out or Coexistence. *Proceedings of the Fall 2006 INFORMS Conference on Information Systems and Technology*, Pittsburgh PA, November 2006. (refereed) (Received Best Paper Award)
- Han, K., Kauffman, R.J., and B.R. Nault. Does IT Outsourcing Pay Off? Evidence from Industry-Level Data. *Proceedings of the Fall 2005 INFORMS Conference on Information Systems and Technology*, San Francisco CA, November 2005. (refereed) (Received Best Paper Award)
- Cheng, Z., and B.R. Nault. Retail Coverage and Incentives for Electronic Direct Market Entry. *Proceedings of the Fall 2004 INFORMS Conference on Information Systems and Technology*, Myrtle Beach SC, October 2004. (refereed)
- Han, K., Kauffman, R.J., and B.R. Nault. Innovator or Owner? Information Sharing, Incomplete Contracts and Governance in Financial Risk Management Systems. *Proceedings of the 37<sup>th</sup> Hawaii International Conference On Systems Sciences (HICSS-37)*, R. Sprague (ed.), Big Island HI, January 2004, IEEE Computer Society Press, Los Alamitos CA, 2004. (refereed)
- Forster, P.W., J.L. King, B.R. Nault and A. Regan. Information Technology Adoption and Use In U.S. Scheduled Air Cargo Forwarders and Airlines. *Cargo Network Services (CNS) Report*, December 2002.
- Nault, B.R. Information Technology for Freight Transportation Coordination. In *Policy Options for Intermodal Freight Transportation*, Special Report 252 of the Transportation Research Board, National Research Council, National Academy Press: Washington D.C., 1998, 234-257.
- Sandbillier, K., A. Will, H. U. Buhl and B.R. Nault. IT-Enabled Incentive Schemes in Telephone Banking. In J. F. Nunamaker and R.H. Sprague eds., *Proceedings of the 30<sup>th</sup> Hawaii*

*International Conference On Systems Sciences*, Band III, Maui HI. Computer Society Press of the IEEE, 1997, 249-257. (refereed)

Sandbill, K., A. Will, H. U. Buhl and B.R. Nault. 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, 1997, 496-511. (refereed)

Nault, B.R., and A.S. Dexter. IT-Enabled Affiliations as Organizational Forms. *Proceedings of the IEEE International Engineering Management Conference '96*, Vancouver BC, 1996. (refereed)

Benbasat, I., G. DeSanctis and B.R. Nault. Empirical Research in Managerial Support Systems: A Review and Assessment. *Proceedings of the NATO Advanced Study Institute on Decision Support Systems*, A.B. Whinston and C. Halsaple eds., Springer-Verlag, 1991, 383-437.

Benbasat, I. and B.R. Nault. Empirical Research in Decision Support and Expert Systems: an Examination of Research To Date and Emerging Topics. *Proceedings of the Arthur Young Roundtable*, 1987, 255-303.

### **Working Papers**

Guo, H., Liu, Y., and B.R. Nault. Join Up or Stay Away? Coalition Formation for Critical IT Infrastructure. Working Paper (September 2021).

Kupfer, A., Napirata, S., Zimmermann, S. and B.R. Nault. Platform-Based Sharing of “need-to-use” Goods. Working Paper (August 2021).

Fereidouni, M., and B.R. Nault. Coordination Mechanisms in Shared Platforms. Working Paper (August 2021).

Li, X., Wang, X., and B.R. Nault. Is Personalized Pricing Profitable When Firms Can Differentiate? Working Paper (August 2021).

Zhang, J., and B.R. Nault. Bilateral Information Sharing for MTO Supply Chain Coordination. Working Paper (July 2021).

Fereidouni, M., and B.R. Nault. Digital Piracy: Detection, Imposition, and Restitution. Working Paper (July 2021).

Hidaji, H., Kolfal, B., Nault, B.R., Patterson, R., Rolland, E., and L. Yeo. Service Disruptions and Provider Choice. Working Paper (May 2021).

Li, X., Wang, X., and B.R. Nault. When Blockchains Backfire: Information Transparency in a Vertical Relationship. Working Paper (May 2021).

Kupfer, A., Napirata, S., Zimmermann, S. and B.R. Nault. Welfare in the C2C Sharing Market: Consumers, Platform and Producers. Working Paper (May 2021).

Han, K., Koh, B., Nault, B.R., and J. Park. Using Labor as a Measure of Transaction Costs to Assess The Impact of Information Technology. Working Paper (April 2021).

Vijairaghavan, V., Nault, B.R., and H. Hidaji. Winner Take All Through Data Portability. Working Paper (March 2021).

Wang, X., Li, X., and B.R. Nault. Blockchain, Verifiability, and Supply Chain Pricing. Working Paper (November 2020).

Vijairaghavan, V., and B.R. Nault. Platform Intermediation and Firm Investment. Working Paper (November 2020).

Zhang, J., and B.R. Nault. Upstream Information Sharing in Platform-Based E-Commerce. Working Paper (October 2020).

Wang, X., Ren, K.S., Vandenbosch, M.B., and B.R. Nault. Using Blockchain to Impact Information Efficiency in Security Markets. Working Paper (May 2020).

Vijairaghavan, V., and B.R. Nault. The Impact of Information Technology on Firm Costs. Working Paper (May 2020).

Fereidouni, M., and B.R. Nault. Platform Alliances and Piggybacking. Working Paper (May 2020).

Guo, H., Liu, Y., and B.R. Nault. Cost Allocation for Cooperative Provisioning of Public Safety Networks. Working Paper (April 2019).

Mitchell, V.L., Nault, B.R., and W. Li. Integrated Learning Base and Project Performance in Service Reengineering. Working Paper (July 2015).

Li, W., Mitchell, V.L., and B.R. Nault. Inconsistencies in Objectives for Operating Room Slate Scheduling. Working Paper (May 2015).

Donaldson, R.G., Levi, M.D., Nault, B.R. and T. Ruf. Exchange-Rate Variability and Foreign Factor Income. Working Paper (August 2013).

Gong, F., Nault, B.R., and B. Koh. Measures of Input-Output Structure of Production. Working Paper (August 2013).

Zhang, J., Nault, B.R., and Y.L. Tu. Dynamic Pricing and Its Influence on Supply Chain Performance. Working Paper (May 2013).

Han, K., Nault, B.R., and K. Lee. On the Relationship of IT Labor with IT Capital and IT Outsourcing in Production. Working Paper (August 2012).

Wei, X., and B.R. Nault. Vertically Differentiated Information Goods: Monopoly Power Through Versioning. Working Paper (February 2011).

### **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, *Theory of Economics of Information Systems Workshop*, Monterey CA, 2013; Napa Valley CA, 2017; Vancouver BC, 2019; *Theory of Economics of Information Systems Workshop* Host, Banff AB, 2014, 2015.

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

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.