

1. Personal

1a Name: Fuminori Toyasaki

**1b Current position
and administrative role:** Full Professor

1c Address at York University:
Faculty of Liberal Arts and Professional Studies,
School of Administrative Studies,
York University,
4700 Keele St., Toronto, ON, Canada M3J 1P3

Tel: (416) 736-2100 ext. 20268

Email: toyasaki@yorku.ca

1d Degrees/education:

09/2005 University of Massachusetts Amherst, USA
Ph.D. in Business Administration; Concentration in Management Science;
Minor in Environmental and Resource Economics.

03/2000 Osaka University, Japan
Master of Science, Economics

03/1998 Osaka University, Japan
Bachelor of Science, Economics

09/1997 – 03/1998 University of California, San Diego, USA
Exchange Student Program

1e Employment history:

07/2024 – present School of Administrative Studies, York University, Toronto, Canada
Full Professor

07/2012 – 05/2024 School of Administrative Studies, York University, Toronto, Canada
Associate Professor

07/2021 – present Member of Management Practice Program in the Faculty of Graduate Studies,
York University, Toronto, Canada

07/2011 – present Member of Disaster and Emergency Program in the Faculty of Graduate Studies,
York University, Toronto, Canada

07/2007 – 06/2012 School of Administrative Studies, York University, Toronto, Canada
Assistant Professor

09/2005 – 06/ 2007 Desautels Faculty of Management, McGill University, Montreal, Canada
Postdoctoral Research Fellow

09/2001 – 08/2005 Virtual Center for Supernetworks, University of Massachusetts Amherst
(<http://supernet.som.umass.edu/>)
Student Research Associate

visiting scholar

07/2020 – 08/2021 Information Systems and Operations, WU (Vienna University of Economics and
(Sabbatical leave) Business), Vienna, Austria, **Guest Researcher**

07/2018 – 08/2018 Graduate School of Business Administration, Kobe University, Japan
Guest Researcher

07/2013 – 06/2014 International Institute for Applied Systems Analysis, Laxenburg, Austria
(Sabbatical leave) Risk, Policy and Vulnerability Program, **Visiting Researcher**

If Membership in professional or academic organizations:

Institute of Operations Research and Management Science (INFORMS); Production and Operations Management Society (POMS); Canadian Operations Research Society (CORS); Decision Sciences Society (DSI); Japanese Economic Association (JEA)

1g Honors and awards:

- 2025 Research Excellence in the 2023-2024 academic year, School of Administrative Studies, York University
- 2024 Teaching Excellence in the 2024-2025 academic year, School of Administrative Studies, York University
- 2024 Research Excellence in the 2022-2023 academic year, School of Administrative Studies, York University
- 2024 Teaching Excellence in the 2022-2023 academic year, School of Administrative Studies, York University
- 2023 Research Achievement Acknowledgement Letter from the Office of the Dean, LA&PS, York University
- 2022 Letter of Recognition for Postdoctoral Supervision, Faculty of Graduate Studies, York University
- 2022 Nominee for the Postdoctoral Supervisor of the Year Award at York University
- 2022 Commended Paper Award to “Reverse supply chain network with returned products quality control” (with S. E. Bajani and S. Saberi) at MIM 2022 10th IFAC Conference
- 2021 Research Achievement Acknowledgement Letter from the Office of Dean, LA&PS, York University

- 2021 2020 York Research Award
- 2021 2020 York University Research Leader
- Recognition for Excellence in Research, School of Administrative Studies,
York University (2023, 2022, 2020, 2019, 2016)
- 2020 Research Achievement Acknowledgement Letter from the Office of the Dean
- 2019 YUFA Release-Time Teaching Fellowship (2019-20): 0.5 course release for course development project entitled “A project to develop supply chain risk management.”
- 2019 Nominee for LA&PS Dean’s Award for Excellence in Teaching
- 2019 Teaching Excellence in the 2019 summer, School of Administrative Studies,
York University
- 2017 Nominee for LA&PS Award for Distinction in Research, Creativity, or Scholarship
- 2016 Recognition for Excellence in Teaching, School of Administrative Studies,
York University in the 2015-2016 academic year
- 2011 YUFA Release-Time Teaching Fellowship (2011-12): 0.5 course release for course development project entitled “A project to develop a disaster and logistics course.”
- LA&PS Course Release Program, School of Administrative Studies,
York University (2022-2010)
- 2009 3rd Most Cited Paper, Transportation Research Part E (2009)
- 2005 Beta Gamma Sigma

2 Scholarly and Professional Activities

2a Areas of research interest:

Circular Economy (Reverse Logistics and Closed-loop Supply Chains) with the Blockchain Technology; Data Analysis of Innovation Partnerships; Health and Pharmaceutical Management; Supply Chain Risk Management; Humanitarian Logistics

2b Lifetime publications (books, chapters in books, journal articles, refereed conferences, professional reports, work in progress)

Refereed journal articles

15. Arıkan E., Silbermayr L., and Toyasaki F. (2023) Interplays between humanitarian procurement operations and fundraising. *Computers & Industrial Engineering*. (in press)

14. Sun H., Toyasaki F., and Falagara Sigala I. (2023). Incentivizing at-risk production capacity building for COVID-19 vaccines. *Production and Operations Management*, 32 (5), 1550–1566.

13. Bajani S. E., Saberi S., and Toyasaki F. (2022) Reverse supply chain network with returned products quality control. *Technological Forecasting & Social Change*. 55 (10), 2926-2931.
12. Toyasaki, F. and Wakolbinger, T. (2019) Joint fundraising appeals: allocation rules and conditions that encourage aid agencies' collaboration. *Decision Sciences*, 50 (3), 612-648. DOI <https://onlinelibrary.wiley.com/doi/abs/10.1111/deci.12341>
11. Burkart, C., Wakolbinger, T. and Toyasaki, F. (2018) Funds allocation in NPOs: the role of administrative cost ratios. *The Central European Journal of Operations Research*, 26 (2), 307-330. DOI 10.1007/s10100-017-0512-9.
10. Toyasaki F., Arikan E., Silberman L., and Falagara Sigala I. (2017) Disaster relief inventory management: horizontal cooperation between humanitarian organizations. *Production and Operations Management*, 26(6), 1221-1237. DOI: 10.1111/poms.12661.
9. Mochizuki J., Toyasaki F. and Falagara I. (2015). Simulation models for horizontal cooperation among humanitarian organizations in inventory management. *Journal of Natural Disaster Science*, 36 (2), 35-52.
8. Toyasaki F., Wakolbinger T. (2014). Impacts of earmarked private donations for disaster fundraising. *Annals of Operations Research*, 221(1), 427-447.
7. Wakolbinger T., Toyasaki F., Nowak T., Nagurney A. (2014). When and for whom would e-waste be a treasure trove? Insights from a network equilibrium model of e-waste flows. *International Journal of Production Economics*, 154, 263-273.
6. Toyasaki F., Daniele P., Wakolbinger T. (2014). A variational inequality formulation of equilibrium models for end-of-life products with nonlinear constraints. *European Journal of Operational Research*, 236 (1), 340-350.
5. Toyasaki F., Wakolbinger T., and Kettinger W. (2013). The value of information systems for product recovery management. *International Journal of Production Research*, 51 (4), 1214-1235.
4. Toyasaki F., Boyaci T., and Verter V. (2011). An analysis of monopolistic and competitive take-back schemes for WEEE recycling. *Production and Operations Management*, 20 (6), 805-823.
3. Alves J. C., Lovelace K. J., Manz C. C., Matsypura D., Toyasaki F., and Ke K. (2006). A cross-cultural perspective of self-leadership. *Journal of Managerial Psychology*, 21, 338-359.
2. Nagurney A. and Toyasaki F. (2005). Reverse supply chain management and electronic waste recycling: a multitiered network equilibrium framework for e-cycling. *Transportation Research Part E*, 41, 1-28. (ranked top 3 cited article in the last five years from 2009; http://www.elsevier.com/wps/find/journaldescription.cws_home/600244/description#description)
1. Nagurney A. and Toyasaki F. (2003). Supply chain supernetworks and environmental criteria. *Transportation Research Part D*, 8, 185-213.

Refereed book chapters

4. Ghazanfari, M., Hakimifar, M., Wakolbinger, T., Toyasaki, F. (2021) Scenario-Based Multi-stage Disaster Preparedness Measurement Methodology for High Hazard Potential Regions, in Dynamics of

Disasters: Impact, Risk, Resilience, and Solutions. Kotosireas I. S., Pardalos P.M, Nagurney A., Tsokas A. Editors, Springer Nature Switzerland AG, Switzerland, pp. 123-145.

3. Falagara Sigala I. and Toyasaki F. (2018). Prospects and bottlenecks of reciprocal partnerships between the private and humanitarian sectors in Cash Transfer Programming for humanitarian response, in Dynamics of Disasters—Algorithmic Approaches and Applications. Kotsireas I. S., Nagurney, A., Pardalos P. M. Editors, Springer Nature Switzerland AG, Switzerland, pp. 57-72.

2. Nowak T., Toyasaki F., and Wakolbinger T. (2018). The road towards a circular economy: the role of modular product designs in supply chains, in Innovative Solutions for Sustainable Supply Chains. H. Qudrat-Ullah, Editor, Springer Nature Switzerland AG, Switzerland, pp. 111-134.

1. Nagurney A, Cruz J., and Toyasaki F. (2008). Statics and dynamics of global supply chain networks with environmental decision-making, in Pareto Optimality, Game Theory and Equilibria. A. Chinchuluun, A. Migdalas, P. M. Pardalos, and L. Pitsoulis, Editors, Springer, Berlin, Germany, pp. 803-836.

Invited book chapters

4. Wakolbinger T. and Toyasaki F. (2023). The impact of funding systems on humanitarian operations, in Humanitarian Logistics, 4th edition, M. Christopher and P. Tatham, Editors, Kogan Page, London, UK, pp. 20-41.

3. Wakolbinger T. and Toyasaki F. (2018). The impact of funding systems on humanitarian operations, in Humanitarian Logistics, 3rd edition, M. Christopher and P. Tatham, Editors, Kogan Page, London, UK, pp. 33-46.

2. Wakolbinger T. and Toyasaki F. (2014). The impact of funding systems on humanitarian operations, in Humanitarian Logistics, 2nd edition, M. Christopher and P. Tatham, Editors, Kogan Page, London, UK, pp. 33-46.

1. Wakolbinger T. and Toyasaki F. (2011). The impact of funding systems on humanitarian operations, in Humanitarian Logistics, M. Christopher and P. Tatham, Editors, Kogan Page, London, UK, pp. 33-46.

Professional reports

1. Toyasaki, F., Arian, E., Sibermayar, L., Falagara, I. S.; Mochizuki, J. (2015). Technical report disaster relief inventory management: horizontal cooperation between humanitarian organizations. The United Nations Humanitarian Response Depot (UNHRD).

Refereed conferences

5. Sun H. and Toyasaki F. (2023). Designing public procurement contracts for vaccine production capacity buildings to control sudden outbreaks of novel diseases. INFORMS MSOM 2024 Main Conference (July 1-2). Post-conference Proceedings.

4. Bajani S. E., Saberi S., and Toyasaki F. (2022). Reverse supply chain network with return products quality consideration. MIM 2022, 10th International Federation OF Automatic Control (IFAC) Conference. Post-conference Proceedings.

3. Nowak T., Toyasaki F., Wakolbinger T, and Ng D. (2014). Reverse logistics decision making for modular products: the impact of supply chain strategies. Lecture Notes in Management Science Vol. 6: 65–73, 6th International Conference on Applied Operational Research, Proceedings.

2. Toyasaki F., Boyaci T., and Verter V. (2008). An analysis of monopolistic and competitive take-back schemes for WEEE recycling. MSOM Supply Chain Management SIG (Special Interest Group) Conference, Baltimore, Maryland, June 7, 2008.

1. Toyasaki F., Boyaci T., and Verter V. (2008) An analysis of monopolistic and competitive take-back schemes for recycling, Japan Industrial Management Association, Tokyo, Japan, May 10-11, 2008, pp. 214-215.

Work in progress

3. Push or pull? Optimal public procurement contracts for vaccine production capacity management in future novel disease outbreaks (with Sun H.). (under review)

2. Collaboration in the Strategic dynamics of blockchain adoption to counteract counterfeit electronics (with Bajgani, S., Saberi, S., and Hosseinneshad, D.). (under review)

1. Does a destined soul mate exist? Factors influencing large pharma companies' successful R&D partnerships (with Cetin, C. B., Rangtusanatham, M., J., Richar, A., Yakasai, A. F., and Sun, H.). (under review)

Media appearances

The POMS YouTube channel: <https://youtu.be/0MeQxjOwT20> (June 5, 2023)

YFile (Two professors receive \$100,000 in CHIR Grants) (February 21, 2023)

Scholars' Hub @ York University – Alumni, York University (June 22, 2020)

YFile (New COVID-19 rapid research funding for York professors) (March 25, 2020)

YFile (NSERC Discovery Grants for York professors) (March 31, 2009)

2c Participations at meetings:

Invited conference and workshop presentations (last eight years)

Designing Public Procurement Contract for Effective Access to Vaccines (with Sun H.) at DSI Annual Conference, November 26, 2024, Phoenix, AZ; at 33rd Annual POMS Conference, May 24th, 2023, Orlando, Florida.

Does a destined soul mate exist?: factors influencing Big-Big pharma companies' successful R&D partnerships (with Can B., Yakasai F., Richard A., and Rungtusanatham M.) at DSI Annual Conference, November 26, 2024, Phoenix, AZ; POMS Conference, April 29, 2024, Minneapolis, MN.

Does a destined soul mate exist?: data-driven method to determining the factors influencing Big-Big pharma companies' successful R&D partnerships (with Yakasai F., Richard A., and Rungtusanatham M.) at INFORMS Healthcare Conference, July 26-28, 2023, Toronto, ON Canada.

Countermeasures against challenges of vaccine production capacity building (with Sun H.) at the session of Healthcare OM under a pandemic, October 16, INFORMS Annual Meeting 2022, Indianapolis.

Reverse supply chain network with returned products quality control (with S. E. Bajani and S. Saberi) at MIM 2022 10th IFAC CONFERENCE, Nantes, France, June 22-24, 2022.

Incentivizing at-risk production capacity building for COVID-19 vaccines (with H. Sun and I. S. Falagara), 32nd Annual POMS Conference, Online, April 21-25, 2022.

Data analysis of R&D partnerships to design a decision-making support system for use in alliance formation (with A. Richard and H. Sun) at TCU's Data & Analytics in Healthcare Conference at Neeley School of Business, Texas Christian University, March 25, 2022.

Capacity building for COVID-19 vaccines (with H. Sun and I. S. Falagara) at EURO Annual Meeting, Athens, Greece, July 13, 2021.

Capacity management of vaccine production for sudden outbreaks of disease (with H. Sun) at EURO in Athens, Greece, July 13, 2021.

Supply chain disruptions by the COVID-19 pandemic and countermeasures at the Automotive Parts and Manufacturer's Association (APMA), May 13, 2020.

The impact of donors' behavior on aid agencies' operational decisions (with E. Arikan and L. Silbermayr) at POMS Annual Meeting, 2019, Washington DC, May 3.

The impact of budget constraints on the interaction between fundraising and procurement decisions (with E. Arikan and L. Silbermayr) at EURO Annual Meeting, Valencia, Spain, July 8, 2018; POMS Annual Meeting, 2018, Huston, May 6; IFORS 2017, Quebec, Canada, July 18, 2017.

Is lower always better? Shedding light on the debate about administrative cost-ratios for NPOs (with C. Burkart, T. Wakolbinger) at Production and Operations Management Society (POMS) Annual Meeting, 2017 Seattle, Washington, May 7.

Disaster relief inventory management: horizontal cooperation between humanitarian organizations (with E. Arikan, I. S. Falagara, and L. Silbermayr) at Production and Operations Management Society (POMS) Annual Meeting, 2016 Orland, Florida, May 8; European Conference on Operational Research (EURO) 2015 Glasgow, England, July 13; 2nd International Conference on Dynamics of Disasters July 1, 2015, Kalamata, Greece; POMS 26th Annual Conference Washington D.C., May 8, 2015.

Funds allocation in NPOs: the role of administrative cost ratios (with C. Burkart, T. Wakolbinger, M. Fearon) at Production and Operations Management Society (POMS) Annual Meeting, 2016 Orland, Florida, May 8; International Conference on Operations Research, Vienna, Austria, September 3, 2015.

Impacts of supply chain strategies on modular product designs in the context of reverse logistics (with T. Wakolbinger and T. Nowak) at European Conference on Operational Research (EURO) 2015 Glasgow, England, July 14; POMS 26th Annual Conference Washington D.C., May 8, 2015.

Simulation models for horizontal cooperation among humanitarian organizations in inventory management (with J. Mochizuki and I. S. Falagara) at European Conference on Operational Research (EURO) 2015 Glasgow, England, July 13.

Strategic decision-making about fundraising: comparison of competitive and joint fundraising (with T. Wakolbinger) at the 5th conference of the International Society for Integrated Disaster Risk Management (IDRIM 2014), London, Canada, October 30, 2014.

When and for whom would e-waste be a treasure trove? Insights from a network equilibrium model of e-waste flows (with T. Wakolbinger, T. Nowak, and A. Nagurney) at the European Consortium for Mathematics in Industry (ECMI): recent advances on equilibrium problems with applications to networks, Taormina, Italy, June 9 – 13, 2014; IFORS 2014, Barcelona, Spain, July 14, 2014.

Reverse logistics decision-making for modular products (with T. Nowak and T. Wakolbinger) at the 6th International Conference on Applied Operational Research, Vancouver, Canada, August 31; IFORS 2014, July 14, 2014.

A variational inequality formulation of equilibrium models for end-of-life products with nonlinear constraints (with P. Daniele and T. Wakolbinger) at the European Consortium for Mathematics in Industry (ECMI), Recent advances on equilibrium problems with applications to networks, Taormina, Italy, June 9 – 13, 2014

Strategic decision-making about fundraising: comparison of competitive and joint fundraising (with T. Wakolbinger) at the INFORMS Annual Meeting, Minneapolis, October 6, 2013.

Reverse logistics strategies for modular products: an integrated view, (with T. Nowak and T. Wakolbinger) at the INFORMS Annual Meeting, Minneapolis, October 7, 2013.

2d Editorial services (executive, editorial, journal, and conference referee)

Guest editor in Sustainability

A special issue on “Reverse Flow Management for End-of-Use and End-of-Life Relief Items in Disaster and Emergency Logistics: Sustainable Solutions from a Social, Ecological and Economic Perspective,” 2018 October – 2019 October.

College of Sustainable Operations, Production and Operations Management Society (POMS)

Board member (secretary), 2012 – 2014

Board member (online editor), 2008 – 2012

College of Humanitarian Operations & Crisis Management, Production and Operations Management Society (POMS)

Referee of 2018 POMS Wickham Skinner Teaching Award, March 2018 – April 2018

Referee of Best Paper Award Competition for the Humanitarian Operations & Crisis Management (HOCM) track, March 2013 – April 2017 and February 2023.

Ad-hoc referee

Journal of Operations Management, Production and Operations Management, Management Science, European Journal of Operational Research, Transportation Research Part B, Transportation Research Part E, OMEGA, Annals of Operations Research, Transportation Science, Sustainability, Socio-Economic Planning Sciences, International Journal of Production Economics, International Journal of Production Research, OR Spectrum, IEEE Transactions on Engineering Management.

2e Research funding

External funding

5. SSHARC Insight Grant, **Principal Investigator**, (Collaboration between Competitors in Product Innovation), 2025 – 2030 (\$ 179,390).

4. CIHR Project Grant — the Centre for Research on Pandemic Preparedness and Health Emergencies, **Principal Investigator**, (Designing public vaccine procurement contracts to secure a socially optimal level of vaccination), 2023 – 2024 (\$ 100,000).

3. NSERC Discovery Grant, **Principal Investigator**, (Data analysis of R&D partnerships to design a decision-making support system for use in alliance formation), 2021 – 2026 (\$ 155,000).

2. CIHR Canadian 2019 Novel Coronavirus (COVID-19) Rapid Research Funding, **Principal Investigator**, (Countermeasure to supply chain disruptions in medical and pharmaceutical industries) (co-applicants A. Solis, A. Asgary and T. Wakolbinger), 2020-2023 (\$130,600).

1. NSERC Discovery Grant, **Principal Investigator**, (An analysis of impacts of downstream infrastructure on environmentally friendly product design), 2009 – 2015 (\$100,000).

Internal funding

YUFA Leave Fellowship Fund, **Principal Investigator** (Incentive contract designs for humanitarian supply chains), 2020-2021 (\$7,635).

SSHRC Travel Fund, **Principal Investigator**, 2010 (\$500).

Junior Faculty Fund, **Principal Investigator**, Atkinson Faculty of Liberal Arts and Professional Studies, York University, 2007 and 2008 (\$1,520).

York University Startup Fund, Atkinson Faculty of Liberal Arts and Professional Studies, York University, 2007 (\$15,000).

3. Teaching

3a Courses taught and designed at York (undergrad and grad)

Undergraduate

York University, Toronto, Canada

School of Administrative Studies

ADMS 4704: Disaster and Logistics (Winters of 2018, 2017, 2016, 2015, 2013, 2012)

ADMS 3351: Operations Management (Winter 2010, Fall 2009)

ADMS 3331: Introduction to Operations Research (Falls of 2018, 2017, 2016, 2014)

ADMS 3330: Introduction to Management Science (Falls and Winters of 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2010, 2009, 2008)

ADMS 3300: Decision Analysis (Winter 2020)

ADMS 2320: Business Statistics (Fall 2007)

Graduate

York University, Toronto, Canada

Master of Science in Management Practice (Supply Chain Management Specialization)

GS/MSMG 6560 Supply Chain Risk Management (Winter 2023, 2022)

3b Courses taught outside of York

University of Massachusetts Amherst

Department of Finance & Operations Management

FOMGT 347: Introduction to Operations Management (Fall 2004)

FOMGT 456: Management Science Applications (Spring 2004)

FOMGT 341: Transportation and Logistics (Fall 2003, Teaching Assistant)

Seminar presentations

19. Research Progress Presentation: Procurement strategies for COVID-19 Vaccines from the perspective of at-risk production capacity building. Supply Chain Challenges: Practical Insights from Emerging Research, June 9-10, 2023, Schulich School of Business, York University.

18. Procurement strategies for COVID-19 Vaccines, Research Seminar, Vienna University of Economics and Business, Vienna, Austria, October 22, 2021.

17. Procurement strategies for COVID-19 Vaccines from the perspective of at-risk production capacity building. Supply Chain Challenges: Practical Insights from Emerging Research, May 28-29, 2021, Schulich School of Business, York University.

16. Socially Sustainable Procurement Strategies for COVID-19 Vaccines from the perspective of at-risk production capacity building— what could have been done and what should be done? Doctoral Student Seminar, Vienna University of Economics and Business, Vienna, Austria, May 3, 2021.

15. (Keynote) Countermeasures to the supply chain disruptions associated with COVID-19 in the long term. Scholars' Hub @ York University – Alumni, York University, June 22, 2020.

14. Recent research on humanitarian logistics and its new directions. GMAP SESAMI Research Seminar Lecture Series, Graduate School of Business Administration Kobe University, Kobe, Japan, July 30-31, 2018.

13. Introduction to main theories in sustainable transportation logistics, Johannes Kepler University Linz, Linz, Austria, April 10, 2017.

12. Disaster relief inventory management: horizontal cooperation between humanitarian organizations, 10th Seminar on Supply Chain Risk Management Forum, Tokyo Metropolitan University, July 22, 2016;

11. Research project presentation to the chief of the United Nations Humanitarian Response Depot (UNHRD), Brindisi, Italy, July 8, 2016.

10. Recent trends of research in humanitarian logistics and introduction of humanitarian logistics course, Nihon University, Tokyo, Japan, March 25, 2014.

9. (Keynote) Impacts of the East Japan Earthquake on commercial supply chains, Workshop: supply chain disruptions caused by natural disasters, 18th International Symposium on Logistics, Vienna, Austria, July 7- July 10, 2013.

8. Impacts of fundraising systems on humanitarian operations, Research seminar at DeGroot School of Business, McMaster University, February 21, 2013; Research Seminar at IIASA, Luxemburg, Austria July 8, 2013.

7. (Keynote) Introduction to humanitarian logistics and reverse logistics, Shin-kanrinmaru Project (joint workshop with University of California Berkeley, Stanford University, and Osaka University), Osaka University San Francisco Center, October 28, 2012.

6. Appropriate take-back schemes for WEEE recycling in Ontario, the Ontario Electronic Stewardship, May 14, 2012.

5. Green Inter-organizational IS for Product Recovery Management (with T. Wakolbinger and W. Kettinger), MIS Colloquium, Fogelman College of Business and Economics, Memphis, February 4, 2011.

4. Earmarking of private donations for disaster relief projects: a quantitative analysis of its impact (with T. Wakolbinger), SAS Brown Bag Research Forum, April 8, 2010.

3. An analysis of monopolistic and competitive take-back schemes for WEEE recycling (with T. Boyaci and V. Verter), Rotman School of Management, University of Toronto, March 7, 2008.

2. A unified complex network framework for environmental decision-making with applications to green logistics and electronic waste recycling, Faculty of Management, McGill University, May 24, 2005.

1. Design for global sustainability, UMASS Amherst Operations Research / Management Science Seminar Series, March 25, 2005.

3c Curriculum development (programs and courses)

6. Supply Chain Risk Management (GS/MSMG 6560), Master of Science in Management (Supply Chain Management Focus)

5. Reverse Logistics & Closed-Loop Supply Chains (GS/MSMG 6570), Master of Science in Management (Supply Chain Management Focus)

4. Humanitarian Logistics and Operations Research, Ph.D. program plan for Master of Disaster and Emergency Management, York University.

3. Humanitarian Logistics and Transportation, Master of Science in Logistics Management course plan for ADMS, York University.

2. Reverse Logistics & Closed-loop Supply Chains in Transportation, Master of Science in Logistics Management course plan for ADMS, York University.

1. Disaster and Logistics (AP/DEMS 4704), Undergraduate course plan for Disaster and Emergency

Management, York University.

3d Supervisorship (at York and outside, all levels)

York University

Postdoc Research Fellows

5. Supervising Postdoc Research Fellows: Baris Cetin Can (September 2023 – August 2025), CIHR-granted project, “Designing public vaccine procurement contracts to secure a socially optimal level of Vaccination.”

4. Supervising Postdoc Research Fellows: Fauziya Ado Yakasai (May 2022 – December 2023), NSERC-granted project, “Data analysis of R&D partnerships to design a decision-making support system for use in alliance formation.” She accepted a job offer as an Academic Specialist at the Department of Statistics and Probability at Michigan State University in Michigan, USA.

3. Supervising Postdoc Research Fellows: Hongmei Sun (May 2020 – March 2023), CIHR-granted project, “Countermeasures to supply chain disruptions in medical and pharmaceutical industries.” She accepted a job offer for a Tenure-Track Assistant Professor (Professional Stream) position from the University of Sheffield, England.

2. Supervising Research Associate: Abigail Richard (March 2024 – July 2024), NSERC-granted project, “Data analysis of R&D partnerships to design a decision-making support system for use in alliance formation.” She accepted a job offer for a Tenure-Track Assistant Professor (Teaching Stream) position from the University of Indianapolis.

1. Supervising Research Associate: Shamim Abdullah (January 2009 – December 2011), NSERC-granted project, “An analysis of impacts of downstream infrastructure on environmentally friendly product design.” Lecturer at the School of Administrative Studies, Faculty of Liberal Arts and Professional Studies, York University.

Ph.D., Schulich School of Business

2. Inside examiner for the dissertation of Sonia Bagherirad, “Optimizing the outcomes of ride-hailing platforms: unsolved challenges and new insights.” (April 2025)

1. Outside examiner for the dissertation of Olga Kaminer, “Antecedents and outcomes of supplier environmental responsiveness” (April 2010)

Master of Science in Management Practice (Supply Chain Management Specialization)

- Supervisor for Major Research Paper (MRP), “Exploring Sustainability Strategies in Supply Chain: A Case Study on Gotion High-tech Co., Ltd.,” of Wai-Ting Fu (February 2025– August 2025).

- Supervisor for Major Research Paper (MRP), “The Impact of ERP on Inventory Management in Manufacturing Companies” of Kwabena Oduro Frempong (February 2025– August 2025).

- Supervisor for Major Research Paper (MRP), “A Fuzzy MCDM Approach for Evaluating Multi-Tier Supplier Sustainability Risks: A Case Study of Kurdistan Province Gas Company, Iran” of Milad Lael (February 2025– present).

- Supervisor for Major Research Paper (MRP), “Impact of COVID-19 on Supply Chain Disruptions in the Food Packaging Industry,” of Ikenna George Chike Mgbeze (April 2024 – present). (now working at Polytainers INC.)

- Supervisor for Major Research Paper (MRP), “Benefits and challenges of implementing intelligent warehouse systems in supply chain operations: qualitative methodology,” of Baihe Qianli (February 2023 – August, 2023)
- Supervisor for Major Research Paper (MRP), “A qualitative study in supply chain management: review the structure of humanitarian logistics during global economic crisis: a case study of Yemen,” of Raffi Al-Hajj. (February 2023 – February 2025)
- Supervisor for Major Research Paper (MRP), “Investigating supply chain disruption and equity market performance in Canada during Covid-19,” of Wutong Li (April 2023 – present)
- Supervisor for Major Research Paper (MRP), “Reverse supply chain: doing it the IKEA way, the sustainable way,” of Maria Lourdes P. Catalan. (February 2022 – August 2022)
- Supervisor for Major Research Paper (MRP), “How Mondelez International is transforming their supply chain to the next level: A battle for sustainability,” of Grahambert Ingram Galeon. (February 2022 – August 2022)

Graduate Program in Disaster and Emergency Management

Supervisor for Major Research Paper (MRP), “Inter-agency humanitarian logistics cooperation: exploring benefits and challenges,” of Abdullah Shah. (February 2011 – August 2011)

Supervisor of Undergraduate Directed Reading Course (ADMS 4000)

Jia Yue, “Challenges of Reverse Logistics in Waste Electrical and Electronic Equipment.” (Summer 2011)

Université libre de Bruxelles, Belgium

Postdoc Research Fellows

Supervisor of Research Associate, Ioanna Falagara Sigala, (with Professor Evelyne Vanpoucke) (May 2020 – February 2024)

Universidad Nacional de Córdoba, Business Administration, Argentina

Ph.D.

Dissertation co-supervisor (with Professor Enrique Carlos Bianchi) of Mariana Giovanardi, “Coordination devices to optimize the performance of the humanitarian logistics chain in the cases of disasters, emergencies, and catastrophes in Argentina” (October 2018 – February 2024).

Robert A. Foisie School of Business, Worcester Polytechnic Institute, USA

Ph.D.

Co-supervisor (with Professor Sara Saberi) for a doctoral research project of Ebrahimi Bajgani Sahar, “Reverse supply chain network with returned products quality control” (May 20, 2021– present). She accepted a job offer for a Tenure-Track Assistant Professor (Research Stream) position from Wartburg College, Waverly, IA.

International Institute for Applied Systems Analysis, Austria

Postdoc Research Fellows, Risk, Policy, and Vulnerability Program

Supervisor for a post-doctoral research project of Junko Mochizuki, “Simulation models for horizontal cooperation among humanitarian organizations in inventory management” (May 2014 – October 2015). (now working as Senior Economist at the International Monetary Fund (IMF))

Consulting with practitioners

The United Nations Humanitarian Response Depot (UNHRD), Brindisi, “Technical Report Disaster Relief Inventory Management: Horizontal Cooperation between Humanitarian Organizations” (January 2015 – April 2015).

4 Service

4a Internal: School level

09/2025-08/2026	Curriculum and Teaching Committee in the School of Administrative Studies
07/2023 – 06/2025	Communication Committee in the School of Administrative Studies (Chair)
02/2022 – 06/2022	Supply Chain Management Search Committee for Tenure-Track Professional Stream Assistant Professor position (Chair)
05/2021 – 06/2023	International Committee in the School of Administrative Studies (Chair)
07/2018– 06/2020	Area Coordinator for Decision Sciences, School of Administrative Studies
07/2018– 09/2019	Tenure and Promotion File Preparation Committee in SAS for Full Professor (Dr. Adriano Solis)
07/2017 – present	Course Coordinator for ADMS 3330 Fall 2008 – Fall 2018 (decision on curriculum, coordination of 6 -10 sections, 1-5 part-time professors and 2-3 full-time professors)
07/2016 – present	Communication Committee in SAS Member of Master of Science in Management plan for York University’s new Markham Campus
01/2015 – 06/2017	Tenure and Promotion Committee in SAS
07/2015 – 06/2016	Research Committee in SAS
07/2014 – 06/2015	Tenure and Promotion Committee in SAS
07/2014 – 07/2018	Tenure and Promotion File Preparation Committee in SAS for Full Professor (Dr. David Etkin and Dr. You-Ta Chuang)
07/2012 – 09/2013	Research Coordinator in SAS
07/2012 – 06/2014	Communication Committee in SAS (Chair)
2010	Tenure and Promotion File Preparation Committee in SAS for Associate Professor (Dr. Peng Songlan)
07/2009 – 06/2010	Tenure and Promotion Committee in SAS
11/2008	Member of Adjudication Committee for promotion in SAS

4b Faculty/University

01/2023 – 04/2023

Human Resource Management (HRM) Search Committee for Tenure-Track Professional Stream Associate Professor position (Representative of the Office of the Dean)

4b External to York University (community service not related to PC&S)

Kendo (Japanese martial arts and swordsmanship; 5th-Dan; York University Kendo Club instructor; Wien Kendo Club assistant instructor)