

## 1. Personal

**1a Name:** Fuminori Toyasaki

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

07/2011 – 05/2024        School of Administrative Studies, York University, Toronto, Canada  
**Associate Professor**

07/2021 – present        Member of Graduate Programs in the School of Administrative Studies  
(Supply Chain Management), York University, Toronto, Canada

07/2011 – present        Member of Graduate Programs in the School of Administrative Studies  
(Disaster and Emergency), York University, Toronto, Canada

07/2007 – 06/2011        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); Japanese Economic Association (JEA)

**1g Honors and awards:**

- 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 Dean, LA&PS, York University
- 2022    Letter of Recognition for Postdoctoral Supervising, 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 10<sup>th</sup> 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 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
- 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 3<sup>rd</sup> 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); Humanitarian Logistics; Medical Supply Chains; Data Analysis of Innovation Partnerships; Health System Management; Supply Chain Risk Management

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

#### **Refereed journal articles**

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

14. Bajani S. E., Saberi S., and Toyasaki F. (2023) Reverse supply chain network with returned products quality control. *Technological Forecasting & Social Change*. (in press)

13. Sun H., Toyasaki F., and Falagara Sigala I. (2021) Incentivizing at-risk production capacity building for COVID-19 vaccines. *Production and Operations Management* (in press). DOI <https://onlinelibrary.wiley.com/doi/10.1111/poms.13652>

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/dec.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., Silbermayr 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](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. Quadrat-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*, 4<sup>th</sup> 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*, 3<sup>rd</sup> 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*, 2<sup>nd</sup> 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., Arikan, 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, 10<sup>th</sup> 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. Strategic dynamics of blockchain adoption to counteract counterfeit electronics (with Bajgani, S., Saberi, S., and Hosseinnzhad D.)

2. Supply chain coordination and vaccine production capacity management (with Sun H.)

1. Collection system design, strategy choice and financial incentives for product recovery (with Boyaci T., Verter V., Toyasaki F., and Wojanowski R.).

### **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 24<sup>th</sup>, 2023, Orland, 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 10<sup>th</sup> 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 Orlando, 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 Orlando, 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**



**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, 10<sup>th</sup> 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)**

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

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

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

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

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

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

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

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 for a Tenure-Track Assistant Professor (Professional Stream) position from the Department of Business Administration at Hampton University, Virginia, USA.

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.

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 (Professional Stream) position from the University of Indianapolis.

Supervising Postdoc Research Fellows: Emel Arikan (February 2014 – May 2016), Associate Professor at the Vienna University of Economics and Business.

Supervising Postdoc Research Fellows: Lena Silbermayr (February 2014 – May 2016), CIHR granted project, “Countermeasures to supply chain disruptions in medical and pharmaceutical industries.” Associate Professor at the Vienna University of Economics and Business.

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

- 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 Polyainers 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 – August 2023)
- 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)

Schulich School of Business

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

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**

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

**Universidad Nacional de Córdoba, Business Administration, Argentina**

Dissertation co-supervisor (with Professor Enrique Carlos Bianchi) of Mariana Giovanardi, “Coordination devises 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**

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).

**International Institute for Applied Systems Analysis, Austria**

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).

**Consulting to 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**

07/2023 – present	Communication Committee in the School of Administrative Studies ( <b>Chair</b> )
02/2022 – 06/2022	Supply Chain Management Search Committee for Tenure-Truck Professional Stream Assistant Professor position ( <b>Chair</b> )
05/2021 – 06/2023	International Committee in the School of Administrative Studies ( <b>Chair</b> )

07/2018– 06/2020	<b>Area Coordinator</b> 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	<b>Course Coordinator</b> 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 ( <b>Chair</b> )
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)
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#### **4b External to York University (community service not related to PC&S)**

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