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OLIVIER ST-CYR

EDUCATION

DEGREE	Year Obtained	Institution	Discipline
PhD	2006	University of Toronto	Industrial Engineering
MASc	2002	University of Waterloo	Systems Design Engineering
BA	2000	York University	Computer Science

PROFESSIONAL CERTIFICATION

	Regulating body	Date
	Professional Engineers Ontario (PEO) – Limited Engineering Licensee Licence #100196731	2013 – Present

CURRENT FIELDS OF INTEREST

Professional	User Experience Design Cognitive Engineering User Interface Design Ecological Interface Design	Cognitive Work Analysis Higher Learning Education HCI/UX Education Community Engaged Learning
General	Political Science Social Impact of Science Higher Level Teaching	Energy Policies Philosophy of Science Evolution and Societies

PROFESSIONAL EXPERIENCE

TITLE	Employer	Date
Assistant Professor, Teaching Stream	University of Toronto Faculty of Information	July 2018 – Present
Cross-Appointed Professor	University of Toronto Mechanical and Industrial Engineering	July 2018 – Present
Assistant Professor, Teaching Stream	University of Toronto Faculty of Information (2-year contract)	July 2016 – June 2018

Status-Only Professor	University of Toronto Mechanical and Industrial Engineering	July 2015 – June 2018
Professor	Seneca College Information & Communications Technology	May 2014 – June 2016
Adjunct Professor	University of Toronto Mechanical and Industrial Engineering	July 2012 – June 2015
Adjunct Professor	York University School of Information Technology	Nov. 2007 – Nov. 2012
Human Factors Specialist	Kinectrics Inc.	Oct. 2012 – April 2014
Human Factors Specialist	University Health Network (UHN)	April 2011 – Oct. 2012
Usability Designer	Marketwired	Oct. 2010 – April 2011
User Experience Architect	SCIEX	July 2010 – Oct. 2010
User Interface Designer	IBM Canada Limited	Sept. 2007 – July 2010
Human Factors Specialist	Atomic Energy of Canada Limited	Oct. 2005 – Aug. 2007
Research Assistant	University of Toronto	2002 – 2005
	University of Waterloo	2000 – 2002
	York University	Summer 1999
Defence Research Assistant	DRDC-Toronto	Summer 2002

TEACHING

A. COURSES	Institution	Course Name	Term	Enrolment
	University of Toronto	Information Design Studio II: How to Design (INF352)	Fall-2019	16
	University of Toronto	Fundamentals of User Experience (INF1602)	Fall-2019	133
			Fall-2018	109

University of Toronto	Representing UX (INF2192)	Term	Enrolment
		Winter-2020 (101)	45
		Winter-2020 (102)	38
		Winter-2019	59
		Winter-2018	59
		Winter-2017	21
University of Toronto	UX for GLAM (INF2304)	Term	Enrolment
		Winter-2020	35
University of Toronto	Information Workshop I/II (INF1005/1006)	Term	Enrolment
		Winter-2019 (112)	50
University of Toronto	Information Architecture (INF2170)	Term	Enrolment
		Fall-2018 (101)	82
		Fall-2018 (102)	19
		Fall-2017 (101)	62
		Fall-2017 (102)	61
		Fall-2016	77
University of Toronto	User Interface Design (INF2191)	Term	Enrolment
		Winter-2018	70
		Winter-2017	64
University of Toronto	UXD Capstone Project (INF1601)	Term	Enrolment
		Fall/Winter-2016/17	8
University of Toronto	Theory and Methods in Knowledge Media (KMD1001)	Term	Enrolment
		Fall-2017	70
		Winter-2017	25
		Fall-2016	48

University of Toronto Programming for Information Systems (INF1340)

Term	Enrolment
Fall-2017 (101)	85
Fall-2017 (102)	20
Fall-2016 (101)	61
Fall-2016 (102)	23

University of Toronto Reading Course (INF2010)

Term	Enrolment
Fall-2019	2
Winter-2019	1
Fall-2018	1
Summer-2018	1
Winter-2018	2
Fall-2017	1
Winter-2017	1

University of Toronto Ergonomic Design of Information Systems (MIE344)

Term	Enrolment
Fall-2015	45
Fall-2014	43
Winter-2014	38

University of Toronto Case Studies in Human Factors and Ergonomics (MIE345)

Term	Enrolment
Winter-2016	32
Winter-2015	51
Fall-2013	20

University of Toronto Analysis and Design of Cognitive Work (MIE1415)

Term	Enrolment
Fall-2015	20
Fall-2014	23
Winter-2014	22

University of Toronto Introduction to Computer Fundamentals (APS106)

Term	Enrolment
Summer-2016	43
Summer-2015	47
Summer-2014	61
Winter-2004	110

University of Toronto	Computer Algorithms and Data Structures (CSC190)		
		Term	Enrolment
		Winter-2014 (102)	117
University of Toronto	Human-Computer Interaction (CSC428/2514)		
		Term	Enrolment
		Winter-2016	69
		Fall-2015	56
		Winter-2015	53
		Fall-2014	28
		Winter-2014	50
University of Toronto	The Design of Interactive Computational Media (CSC318)		
		Term	Enrolment
		Winter-2014	75
		Fall-2013	94
		Winter-2012	52
		Winter-2007 (UTM)	20
University of Toronto	Introduction to Computer Programming (CSC108)		
		Term	Enrolment
		Summer-2005	63
Seneca College	Programming Fundamentals Using C (BTP100)		
		Term	Enrolment
		Winter-2015	14
Seneca College	The Object-Oriented Paradigm Using C++ (BTP200)		
		Term	Enrolment
		Winter-2016 (A)	34
		Winter-2016 (B)	30
		Summer-2015	34
		Winter-2015 (A)	39
		Winter-2015 (B)	39
Seneca College	Introduction to Programming Using C (IPC144)		
		Term	Enrolment
		Summer-2014 (G)	32
		Summer-2014 (H)	18

Seneca College	Design for User Interfaces (BTH540)		
		Term	Enrolment
		Fall-2015 (A)	23
		Fall-2015 (B)	24
		Fall-2014 (A)	13
		Fall-2014 (B)	21

Seneca College	Human Factors in Computing (BTH740)		
		Term	Enrolment
		Fall-2015 (A)	32
		Fall-2015 (B)	8
		Fall-2014	20

York University	Object-Based Programming (ITEC1620)		
		Term	Enrolment
		Winter-2011	44
		Winter-2010	37
		Fall-2009 (A)	44
		Fall-2009 (B)	49
		Fall-2008	30
		Summer-2008	33
		Winter-2008	34
		Fall-2007	32
		Summer-2007	25

York University	Designing User Interfaces (ITEC3230)		
		Term	Enrolment
		Winter-2010	43
		Summer-2009	21
		Winter-2009	36
		Fall-2008	41
		Summer-2008	11
		Winter-2008	68
		Fall-2007	34
		Fall-2006	56

OCAD University	Human Factors for Designers (SOSC3B27 / DIGF2B02)		
		Term	Enrolment
		Winter-2012	70

B. ADVISING

PhD Dissertation Committee Member

ASSADI, Azadeh (SU 2019 – Present), University of Toronto – IBBME

VAN BEEK, Allison (W 2019 – Present), University of Toronto – MIE

SHEA, Kaela (SU 2018 – Present), University of Toronto – IBBME

LAWSON-JACK, Kingba (F 2017 – Present), University of Toronto – MIE

RAJABIYAZDI, Fahimeh (F 2017 – Present), University of Toronto – MIE

TONG, Tiffany (F 2018), University of Toronto – MIE

GIANG, Wayne (SU 2018), University of Toronto – MIE

COSTANTINO, Theresa (SU 2018), University of Toronto – FI

STAHL, Patrick (SU 2015), University of Toronto – MIE

MI Thesis Supervisor

KABAKOVA, Polina (F 2018 – SU 2019), University of Toronto – FI
Thesis: *Monitoring the short-term outcomes of project-based UXD community-engaged learning courses*

MI Thesis Second Reader

TASNIM, Humaira (F 2018 – W 2020), University of Toronto – FI

CONTE, Sho (F 2018 – SU 2019), University of Toronto – FI

SIN, Jaisie (F 2017 – SU 2018), University of Toronto – FI

MASc Thesis Supervisor

JOVANOVIC, Andrea (F 2016 – F 2017), University of Toronto – MIE
Co-Supervised with Dr. Mark Chignell
Thesis: *Designing the HCI Living Curriculum*

MASc Thesis Committee Member

GUANOLUISA, David Quispe (F 2019), University of Toronto – MIE

CARRASCO, Chelsea (SU 2018), University of Toronto – MIE

DU, Jiawei (F 2017), University of Toronto – MIE

SOKOL, Neil (F 2017), University of Toronto – MIE

ADDNAN, Nasif (W 2017), University of Toronto – MIE

ZHUNUSSOVA, Aimzhan (W 2017), University of Toronto – MIE

WHEELER, Cole (W 2016), University of Toronto – MIE

KORTSCHOT, Sean (W 2016), University of Toronto – MIE

MYERS, William (F 2014), University of Toronto – MIE

IANNUZZI, Mario (F 2013), University of Toronto – MIE

LEE, Gladys (F 2013), University of Toronto

MEng Project Supervisor

BEDI, Vishaal (SU 2013 – W 14), University of Toronto – MIE

MI Research Assistantship Supervisor

SULKO, Erlind (F/W 2016/17), University of Toronto – FI

Undergraduate Capstone (MIE490) Supervisor

AMMACHE, Fawzi, ROMANOFF, Maxim, YONG, Hyun, & ZAKI, Adham (F/W 2019/20), University of Toronto – MIE
Project Industry Partner: Cancer Care Ontario

Undergraduate Research Assistants

MA, Winnie (SU 2013), University of Toronto – MIE

CHUI, Jimmy (SU 2003), University of Toronto – MIE

Undergraduate Theses

KAPLAN, Belle (W 2014), MIE498, University of Toronto – MIE

WHEELER, Cole (F/W 2013/14), MIE498, University of Toronto – MIE

LO, Jonathan (F/W 2013/14), MIE498, University of Toronto – MIE

KAUR, Avneet (F/W 2013/14), MIE498, University of Toronto – MIE

ZAMAN, Maisha (F/W 2013/14), MIE498, University of Toronto – MIE

CARRASCO, Chelsea (F 2013), MIE498, University of Toronto – MIE

SANDIEGO, Kristianne (F/W 2006/07), MIE496, University of Toronto – MIE

HOURIHAN, Maura (F/W 2006/07), MIE496, University of Toronto – MIE

FLYNN, Kevin (F/W 2009/10), COGS4750, York University

C. TEACHING ASSISTANTSHIPS

Institution	Term	Course Name
University of Toronto	Winter-2005 Fall-2004 Fall-2003	Engineering, Society, and the Environment I
University of Toronto	Winter-2003	Introduction to Computer Fundamentals
University of Toronto	Fall-2002	Human-Centred Systems Design
University of Waterloo	Winter-2002	Data Structures and Algorithms
University of Waterloo	Fall-2001	Digital Computation
University of Waterloo	Summer-2001	Introduction to Human Systems Engineering
York University	Summer-2000	Introduction to Information Technology
York University	Summer-2000	Computers, Information, and Society
York University	Winter-2000	Intro to Computer Usage II
York University	Fall-1999	Intro to Computer Usage I

D. TEACHING TRAININGS

Year Obtained	Institution	Description
Fall-2019 – In Progress	University of Toronto	Certificate in Effective University Teaching Practice from ACUE
Summer-2015	Seneca College	Inclusive Teaching and Scholarly Practice
Winter-2015	Seneca College	Technology Enhanced Learning
Fall-2014	Seneca College	Foundations of Teaching and Learning
Fall-2004	University of Toronto	MIE3002: Engineering Teaching and Learning
2003 – 2004	University of Toronto	Teaching Assistants' Training Program
2000 – 2002	University of Waterloo	Certificate in University Teaching

**E. TEACHING
WORKSHOPS
ATTENDED**

University of Toronto

1. Community-Engaged Learning Faculty Fellows Workshop (Sept. 2019)
2. University of Toronto Teaching and Learning Symposium (May 2019)
3. Preparing the Teaching Dossier (April 2019)
4. Putting it into Words: Drafting Your Statement of Teaching Philosophy (April 2019)
5. Learning About Our Programs: How to Get the Most Out of Curriculum Mapping (March 2019)
6. Interpreting & Integrating Course Evaluations (November 2018)
7. Demonstrating and Capturing Teaching Success (October 2018)
8. Community-Engaged Learning Course Design Workshop (June 2018)
9. Strategies for Writing Teaching and Learning Grants (June 2018)
10. Course Design/Redesign Institute (Two Days) (May 2018)
11. University of Toronto Teaching and Learning Symposium (April 2018)
12. Universal Design for Learning: Engaging All Your Students (April 2018)
13. Experience: Work-Integrated Learning (November 2017)
14. Assignment Design (August 2017)
15. Creating a More Equitable Classroom, Considerations and Practices (August 2017)
16. Grading: Myths and Realities (August 2017)
17. Research Ethics: Conducting Scholarly Enquiry on Your Teaching (March 2017)
18. SoTL Skills Development Workshop: Searching the Higher Education Literature (February 2017)
19. Realizing the Potential of Cooperative and Team-Based Learning (December 2016)
20. Curriculum Mapping: A Cornerstone in Curriculum Review, Redesign and Renewal (October 2016)
21. Conducting Research on Your Teaching: Creating a Space for Inquiry (October 2016)
22. Flipped Classroom (October 2016)

23. Strategies to Support Active Learning (August 2016)

RESEARCH

A. THESES

1. **ST-CYR, O.** (2006). *Sensor Noise and Ecological Interface Design: Effects of Noise Magnitude on Operators' Performance and Control Strategies*, PhD Dissertation, University of Toronto. Advisor: Dr. Kim J. Vicente.
2. **ST-CYR, O.** (2002). *An Ecological Approach to Mental Models: Towards Assessing Ecological Compatibility*, MASc Thesis, University of Waterloo. Supervisor: Dr. Catherine M. Burns.

**B. REFEREED
JOURNAL
ARTICLES**

1. ROSSOS, P. G., **ST-CYR, O.**, PURDY, B., TOENJES, C., MASINO, C., & CHMELNITSKY, D. (2015). *Hype, harmony and human factors: applying user-centered design to achieve sustainable telehealth program adoption and growth*. Studies in Health Technology and Informatics, 209, pp. 121-127.
2. **ST-CYR, O.**, JAMIESON, G. A., & VICENTE, K. J. (2013). *Ecological Interface Design and Sensor Noise*. International Journal of Human-Computer Studies, 71, pp. 1056-1068.
3. CAFAZZO, J. A., & **ST-CYR, O.** (2012). *From Discovery to Design: The Evolution of Human Factors in Healthcare*. Healthcare Quarterly, 15, pp. 24-29.

**C. REFEREED
CONFERENCE
PAPERS**

1. **ST-CYR, O.**, MACDONALD, C. M., GRAY, C. M., POTTER, L. E., VASILCHENKO, A., SIN, J., & CHURCHILL, E. F. (in press). *EduCHI 2020: 2nd Annual Symposium on HCI Education*. To appear in the Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems, Sym03. ACM, New York, NY: USA.
2. SHEA, K., CHAU, T., & **ST-CYR, O.** (2019) *Applying Work Domain Analysis to Augmentative and Alternative Communication Systems*. Proceedings of the Human Factors and Ergonomics Society 63rd Annual Meeting, pp. 247-251. Seattle, WA: USA.
3. **ST-CYR, O.**, MACDONALD, C. M., & CHURCHILL, E. F. (2019). *EduCHI 2019 Symposium: Global Perspectives on HCI Education*. Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems, Sym03. ACM, New York, NY: USA.
4. **ST-CYR, O.**, MACDONALD, C. M., CHURCHILL, E. F., PREECE, J. J., & BOWSER, A. (2018). *Developing a Community of Practice to Support Global HCI Education (Workshop)*. Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems, W25. ACM, New York, NY: USA.

5. **ST-CYR, O.** (2017). *An Industry Partner in Residence program for User Experience Design Courses (Abstract)*. Annual Conference on Research on Teaching and Learning: Exploring Teaching & Learning Partnerships in Higher Education, Hamilton, ON: Canada.
6. JOVANOVIĆ, A., **ST-CYR, O.**, & CHIGNELL, M. (2017). *Towards the HCI living curriculum*. Proceedings of the Canadian Engineering Education Association Conference, Paper 140, Toronto, ON: Canada.
7. NEJATIMOHARRAMI, F., FAINA, A., JOVANOVIĆ, A., **ST-CYR, O.**, CHIGNELL, M., & STOY, K. (2017). *UI Design for an Engineering Process: Programming Experiments on a Liquid Handling Robot*. Proceedings of the IEEE International Conference on Robotic Computing, pp. 196-203. Taichung, Taiwan.
8. CARRASCO, C., JAMIESON, G. A., & **ST-CYR, O.** (2014). *Revisiting three ecological interface design experiments to investigate performance and control stability effects under normal conditions*. Proceedings of the IEEE International Conference on Systems, Man, and Cybernetics, pp. 323-328. San Diego, CA: USA.
9. **ST-CYR, O.**, & KILGORE, R. (2008). *A Five-Phase CWA for Air Traffic Control: Example from a TRACON Microworld*. Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting, pp. 272-276. New York, NY: USA.
10. **ST-CYR, O.** (2007). *Strategy Selection and Compliance: A case-study using a thermal-hydraulic process microworld*. Proceedings of the Human Factors and Ergonomics Society 51st Annual Meeting, pp. 387-391. Baltimore, MD: USA.
11. **ST-CYR, O.** (2006). *Impact of Sensor Noise Magnitude on Emergent Features of Ecological Interface Design*. Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting, pp. 319-323. San Francisco, CA: USA. Finalist for the HFES Alphonse Chapanis Best Student Paper Award.
12. KILGORE, R., & **ST-CYR, O.** (2006). *The SRK Inventory: A tool for structuring and capturing the execution of a Worker Competencies Analysis*. Proceedings of the Human Factors and Ergonomics Society 50th Annual Meeting, pp. 506-509. San Francisco, CA: USA.
13. **ST-CYR, O.**, MALCOLM, J. S., & MCDONALD, A. (2006). *Human Factors on the Point Lepreau Refurbishment Project*. Proceedings of the 27th Annual Conference of the Canadian Nuclear Society, no pagination. Toronto, Ontario: Canada.
14. **ST-CYR, O.**, & VICENTE, K. J. (2005). *Sensor Noise and Ecological Interface Design: Effects of increasing noise magnitude on operators' performance*. Proceedings of the Human Factors and Ergonomics Society 49th Annual Meeting, pp. 417-421. Orlando, FL: USA.

15. **ST-CYR, O.**, & VICENTE, K. J. (2004). *Sensor Noise and Ecological Interface Design: Effects on operators' Control performance*. Proceedings of the Human Factors and Ergonomics Society 48th Annual Meeting, pp. 538-542. New Orleans, LA: USA.
16. **ST-CYR, O.**, & HOLLANDS, J. G. (2003). *Judgments of proportion with graphs: Object-based advantages*. Proceedings of the Human Factors and Ergonomics Society 47th Annual Meeting, pp. 1659-1662. Denver, CO: USA.
17. NUNES, A., & **ST-CYR, O.** (2003). *Predictive Aids and Mental Models under Free Flight: Proceed with Caution*. Proceedings of the 12th Biennial International Symposium on Aviation Psychology, pp. 900-905. Dayton, OH: USA.
18. **ST-CYR, O.**, & BURNS, C. M. (2002). *Mental Models and Ecological Interface Design: An Experimental Investigation*. Proceedings of the Human Factors and Ergonomics Society 46th Annual Meeting, pp. 270-274. Baltimore, MD: USA.
19. **ST-CYR, O.**, & BURNS, C. M. (2001a). *Mental Models and the Abstraction Hierarchy: Assessing Ecological Compatibility*. Proceedings of the Human Factors and Ergonomics Society 45th Annual Meeting, pp. 297-301. Minneapolis, MN: USA.
20. BURNS, C. M., KUO, J., CHOW, R., GARABET, A., **ST-CYR, O.**, & VICENTE, K. J. (2001). *Future networks: How will people manage?* Proceedings of the Workshop on New Visions for Large-Scale Networks: Research and Applications, no pagination. Vienna, VA: USA.
21. **ST-CYR, O.**, LESPÉRANCE, Y., & STUERZLINGER, W. (2000). *An Intelligent Assistant for Computer-Aided Design: Extended Abstract*. Smart Graphics – Papers from the 2000 AAAI Spring Symposium, Technical Report SS-00-04, pp. 24-28. AAAI Press, Menlo Park, CA: USA.

D. BOOK CHAPTER

1. KILGORE, R. M., **ST-CYR, O.**, & JAMIESON, G. A. (2008). *From work domains to worker competencies: a five-phase cognitive work analysis*. In A. M. Bisantz, & C. M. Burns (Eds.). Applications of Cognitive Work Analysis, pp. 15-47, Boca Raton, FL: CRC Press.

E. NON-REFEREED PUBLICATIONS

1. **ST-CYR, O.** (2019). *Designing a Studio Classroom to Promote Active Learning Pedagogy*. In C. Rolheiser, A. Carbone, E. Macnab & J. Ye (Eds.). The scholarship of leading: Mini-cases of educational leadership in action, pp. 64-66, Toronto, ON: Centre for Teaching Support & Innovation, University of Toronto.
2. **ST-CYR, O.**, JOVANOVIC, A., CHIGNELL, M., MACDONALD, C. M., & CHURCHILL, E. F. (2018). *The HCI Living Curriculum as a Community of Practice*. ACM interactions, 25(5), pp. 68-71.

3. **ST-CYR, O.** (2018). *Interview on User-Centred Design and Health Informatics*. In C. El Morr. An Introduction to Health Informatics: A Canadian Perspective, pp. 116-119. Canadian Scholars' Press.
4. JOVANOVIC, A., CHIGNELL, M., & **ST-CYR, O.** (2018). *Prototyping the HCI Living Curriculum*. Workshop on Developing a Community of Practice to Support Global HCI Education, CHI 2018. Montréal, QC: CANADA.
5. SABIE, S., EASTERBROOK, S., MUNTEANU, C., SINGH, K., **ST-CYR, O.**, & HASHIM, F. (2017). *Participatory Shelter Design for Displaced Populace: Reflections from a User Study*. HCIxB 2017: HCI Across Borders Symposium, CHI 2017, Denver, CO: USA.
6. **ST-CYR, O.**, & VICENTE, K. J. (2003). *Sensor Noise and Ecological Interface Design: Effects of Data Uncertainty in a Process Control Microworld*. The Brunswick Society Newsletter, 19, p. 29, October 2003.
7. **ST-CYR, O.** (2002). *Introduction to HCI (student guest editor)*. ACM Crossroads: Special issue on Human-Computer Interaction (Fall-2002), 9(1), p. 3. ACM Press.
8. **ST-CYR, O.**, & BURNS, C. M. (2001b). *Designing interfaces for visualizing complex information*. Poster Proceedings – Graphics Interface 2001, pp. 6-7. Ottawa, Canada.
9. **ST-CYR, O.**, LESPÉRANCE, Y., & STUERZLINGER, W. (2000). *A Knowledge-Based Agent for CAD systems*. Poster Proceedings – Graphics Interface 2000, pp. 14-15. Montréal, Canada.

F. POSTERS

1. *Designing interfaces for visualizing complex information*. Poster – Graphics Interface 2001, June 7-9, 2001. Ottawa Marriot, Ottawa, Canada.
2. *Mental Models and the Abstraction Hierarchy: Assessing Ecological Compatibility*. Poster – CHI 2001 SV Informal Poster Session, March 31 – 5 April, 2001. Seattle, WA: USA.
3. *A Knowledge-Based Agent for CAD systems*. Poster – Graphics Interface 2000, May 15-17, 2000. Palais des Congrès, Montréal, Canada.

G. CONFERENCE TALKS

1. *Monitoring the short-term outcomes of project-based UXD community-engaged learning courses*. 2019 International Association of Research on Service-Learning & Community Engagement (IARSLCE) Conference, October 23-25, 2019. Hotel Albuquerque Old Town, Albuquerque, NM: USA.
2. *Welcome to our new classroom: The iSchool User Experience Design Studio*. University of Toronto's 13th Annual Teaching & Learning Symposium, May 28, 2019. Toronto, ON: Canada.

3. *An Industry Partner in Residence program for User Experience Design Courses. Annual Research on Teaching and Learning Conference: Exploring Teaching & Learning Partnerships in Higher Education*, November 16-17, 2017. Hamilton, ON: Canada.
4. *The SRK Inventory: A tool for structuring and capturing the execution of a Worker Competencies Analysis. 50th Annual Meeting of the Human Factors and Ergonomics Society*, October 16-20, 2006. Hilton San Francisco, San Francisco, CA: USA.
5. *Impact of Sensor Noise Magnitude on Emergent Features of Ecological Interface Design. 50th Annual Meeting of the Human Factors and Ergonomics Society*, October 16-20, 2006. Hilton San Francisco, San Francisco, CA: USA.
6. *Human Factors on the Point Lepreau Refurbishment Project. 27th Annual Conference of the Canadian Nuclear Society*, June 11-14, 2006. Marriott Eaton Centre, Toronto, Ontario: Canada.
7. *Ecological Interface Design. Human Factors Seminar Series*, March 20, 2006. Atomic Energy of Canada Limited, Mississauga, Ontario: Canada.
8. *Sensor Noise and Ecological Interface Design: Effects of increasing noise magnitude on operators' performance. 49th Annual Meeting of the Human Factors and Ergonomics Society*, September 26-30, 2005. Royal Pacific at Universal Orlando, Orlando, FL: USA.
9. *Sensor Noise and Ecological Interface Design: Effects on Operators' Control Performance. 5th Annual Inter-University Workshop on Human Factors Engineering*, November 13, 2004. University of Waterloo, Waterloo, Canada.
10. *Sensor Noise and Ecological Interface Design: Effects on Operators' Control Performance. 48th Annual Meeting of the Human Factors and Ergonomics Society*, September 20-24, 2004. Sheraton New Orleans Hotel, New Orleans, LA: USA.
11. *Sensor Noise and Ecological Interface Design. 4th Annual Inter-University Workshop on Human Factors Engineering*, November 8, 2003. University of Toronto, Toronto, Canada.
12. *Judgments of proportion with graphs: Object-based advantages. 47th Annual Meeting of the Human Factors and Ergonomics Society*, October 13-17, 2003. Adams Mark Hotel, Denver, CO: USA.
13. *Mental Models and Ecological Interface Design: An Experimental Investigation. 46th Annual Meeting of the Human Factors and Ergonomics Society*, September 29 – 4 October, 2002. Baltimore Waterfront Marriott Hotel, Baltimore, MD: USA.

14. *An Ecological Approach to Mental Models: Towards Assessing Ecological Compatibility*. University of Waterloo Graduate Student Research Conference, April 3, 2002. University of Waterloo, Waterloo, Canada.
15. *The Importance of Human Factors Education in Undergraduate Engineering Curriculums*. TRACE Research Paper Presentation, December 5, 2001. University of Waterloo, Waterloo, Canada.
16. *Assessing Ecological Compatibility of Mental Models*. 2nd Annual Inter-University Workshop on Human Factors Engineering, November 3, 2001. University of Waterloo, Waterloo, Canada.
17. *Mental Models and the Abstraction Hierarchy: Assessing Ecological Compatibility*. 45th Annual Meeting of the Human Factors and Ergonomics Society, October 8-12, 2001. Minneapolis Convention Center, Minneapolis, MN: USA.
18. *Mental Models and Ecological Interface Design*. Inter-University Workshop on Human Factors Engineering, November 3-4, 2000. University of Toronto, Toronto, Canada.
19. *An Intelligent Assistant for Computer-Aided Design*. Smart Graphics – 2000 AAAI Spring Symposium, March 20-22, 2000. Stanford University, Palo Alto, CA: USA.

G. INTERVIEWS

1. *City hall is impenetrable for many Toronto residents. Here are some ways to fix it*. The Toronto Star, August 6, 2019. Toronto, ON: Canada
2. *Podcast on the intersections of user-experience design and community-engaged research*. University of Toronto Centre for Community Partnerships, April 2019. Toronto, ON: Canada
3. *UP Express rider charged \$171.26 extra after confusion over duelling Presto machines*. The Toronto Star, February 5, 2019. Toronto, ON: Canada
4. *User-Focused*. Ministry of Transportation, Government of Ontario, May 12, 2017. Toronto, ON: Canada

SERVICE

A. DIRECTORSHIP

Institution	Name	Term
University of Toronto	Director, Knowledge Media Design (KMD) Collaborative Specialization	Fall/Winter-2019/20 Fall/Winter-2018/19 Fall/Winter-2016/17

B. COMMITTEES

University of Toronto Bachelor's Recruitment and Admissions Committee, Faculty of Information

Term

Fall/Winter-2019/20

University of Toronto Undergraduate Program Curriculum Committee, Faculty of Information

Term

Fall/Winter-2019/20

Fall/Winter-2018/19

Fall/Winter-2017/18

Fall/Winter-2016/17

University of Toronto TA Policy Committee, Faculty of Information

Term

Fall/Winter-2019/20

University of Toronto Digital Transformation / Website Committee, Faculty of Information

Term

Fall/Winter-2019/20

University of Toronto Master's Recruitment and Admissions Committee, Faculty of Information

Term

Fall/Winter-2018/19

Fall/Winter-2017/18

Fall/Winter-2016/17

University of Toronto Workload Policy Committee, Faculty of Information

Term

Fall/Winter-2018/19

Fall/Winter-2016/17

University of Toronto Programs Committee, Faculty of Information

Term

Winter-2017

University of Toronto Search Committee, Faculty of Information

Term

Fall-2018

University of
Toronto

Centre for Community Partnerships Faculty
Advisory Committee, University of Toronto

Term

Fall/Winter 2019/20

University of
Toronto

CTSI Academic Advisory Committee,
University of Toronto

Term

Fall/Winter 2019/20

Fall/Winter 2018/19

University of
Toronto

Transforming the Instructional Landscape Advisory
Committee, University of Toronto

Term

Fall/Winter 2019/20

Summer 2018

University of
Toronto

Inforum Users' Advisory Committee, Inforum
Library

Term

Fall/Winter 2019/20

Winter-2019

University of
Toronto

Search Committees Robarts Library

Term

Summer-2019

Summer-2017

University of
Toronto

Promotion Committee, User Experience Librarian,
University of Toronto Libraries

Term

Fall-2017

C. LIAISON

University of
Toronto

Concentration Liaison: User Experience Design,
Faculty of Information

Term

Fall/Winter-2019/20

Fall/Winter-2018/19

Fall/Winter-2017/18

Fall/Winter-2016/17

University of
Toronto

Coordinator of Combine Degree Program,
Faculty of Information

Term

Fall/Winter 2019/20

University of
Toronto

Faculty Liaison: Knowledge Media Design Institute

Term

Fall/Winter-2017/18

Fall/Winter-2016/17

**D. TEACHING
RELATED
PROJECTS**

University of Toronto

1. Designed the Technology Enhanced Active Learning (TEAL) Design Studio classroom in the Faculty of Information and transformed the pedagogy of several courses to a technology enhanced approach.
2. Helped shape the studio-based curriculum and courses for the Faculty of Information new Bachelor of Information (BI) degree.
3. Designed the UX Design Studio classroom in the Faculty of Information and transformed the pedagogy of several courses to a studio-based approach.
4. Designed the curriculum for the User Experience Design (UXD) concentration of the Master of Information (MI) degree.
5. Designed a modular approach for the Information System & Design (ISD) Executive delivery option of the MI degree.
6. Re-designed existing courses in the UXD and ISD concentrations of the MI degree.
7. Updated KMDI Collaborative Program curriculum to transition to Collaborative Specialization.

**E. PROFESSIONAL
ACTIVITIES**

1. SIGCHI representative on the ACM Education Advisory Committee: 2019 – Present.
2. Co-chair of the Education Committee of the Association for Computing Machinery (ACM) Special Interest Group on Computer-Human Interaction (SIGCHI): 2019 – Present.
3. Co-Founder of EduCHI, a community of practice and symposium on HCI/UX Education.
4. General Co-Chair of the CHI 2020 Conference Symposium #3: EduCHI 2020: 2nd Annual Symposium on HCI Education: April 26, 2020. Honolulu, Hawaii: USA.

5. Co-Chair of the CHI 2019 Conference Symposium #3: EduCHI 2019: Global Perspectives on HCI Education: May 4, 2019. Glasgow, Scotland: UK.
6. Chair of The Age of Persuasion paper session, GI 2018 Conference. Toronto, ON: Canada.
7. Co-Organizer of the GI 2018 Conference Workshop on Renewing the HCI Curriculum (The Canons of HCI/UX Education in 2018 and Beyond): May 8, 2018. Toronto, ON: Canada.
8. Chair of the Learning and Training paper session, CHI 2018 Conference. Montréal, QC: Canada.
9. Co-Organizer of the CHI 2018 Conference Workshop #25 on Developing a Community of Practice to Support Global HCI Education: April 22, 2018. Montréal, QC: Canada.
10. Co-Organizer of the UXPA 2017 Student Design Competition: June 6 – 8, 2017. Toronto, ON: Canada.
11. Co-Organizer of the GI 2017 Conference Workshop on Renewing the HCI Curriculum (Bridging the Gap between Research, Industry Trends, and Curriculum Renewal within Human-Computer Interaction): May 16, 2017. Edmonton, AB: Canada.
12. Judge in UXD Design-O-Thon at Overbond: March 2017.
13. Social Media Chair, Toronto User Experience (TUX): 2016 – Present.
14. Member of the Canada's Health Informatics Association (COACH) eHealth Software Safety Task Force: 2011 – 2012.
15. Chair of the volunteer committee and speaker's bureau of the Human Factors and Ergonomics Society: 2006 – 2007.
16. Chair of the Cognition and Perception in Displays technical session: Cognitive Engineering and Decision-Making Technical Group, Human Factors and Ergonomics Society 50th Annual Meeting.
17. Student Volunteer Program Chair: Human Factors and Ergonomics Society 49th Annual Meeting, September 26 – 30, 2005. Orlando, FL: USA.
18. Co-Chair of the Ecological Interface Design, Decision Biases, and Styles technical session: Cognitive Engineering and Decision-Making Technical Group, Human Factors and Ergonomics Society 49th Annual Meeting.
19. Student Volunteer Program Chair: Human Factors and Ergonomics Society 48th Annual Meeting, September 20 – 24, 2004. New Orleans, LA: USA.

20. Co-Chair of the Displays and Interface Design technical session: Cognitive Engineering and Decision-Making Technical Group, Human Factors and Ergonomics Society 48th Annual Meeting.
21. Student Volunteer Program Chair: Human Factors and Ergonomics Society 47th Annual Meeting, October 13 – 17, 2003. Denver, CO: USA.
22. Student Volunteer Program Chair: Human Factors and Ergonomics Society 46th Annual Meeting, September 30 – October 4, 2002. Baltimore, MD: USA.
23. Student Conference Organizer: 2nd Annual Inter-University Workshop on Human Factors Engineering, November 3, 2001. University of Waterloo, Waterloo, Canada.
24. Student Volunteer: GI 2001 Conference, June 7-9, 2001. Ottawa, Canada.
25. Student Volunteer: CHI 2001 Conference, March 31 - April 5, 2001. Seattle, WA: USA.
26. Student Volunteer: CHI 99 Conference, May 15-20, 1999. Pittsburgh, PA: USA.

**F. EDITORIAL
AND REVIEWER
WORK**

1. Book Endorsement: *Interaction Design: Beyond Human-Computer Interaction*, 5th edition, by Helen Sharp, Jennifer Preece, & Yvonne Rogers. Published by Wiley, 2019.
2. Reviewer for *Universal Access in the Information Society*.
3. Reviewer for *International Journal of Human-Computer Studies*.
4. Associate Chair and Reviewer for the 2019 *iConference* Program Committee.
5. Reviewer for the *Human Factors and Ergonomics in Health Care* Annual Meeting.
6. Reviewer for the *ACM CHI Conference on Human Factors in Computing Systems*.
7. Reviewer for *Ergonomics in Design*.
8. Reviewer for *IEEE Transactions of Human-Machine Systems*.
9. Reviewer for the *Fonds de recherche du Québec – Nature et technologies*.
10. Reviewer for the *Handbook of Service Science – Volume II*.
11. Reviewer for the *Canadian Engineering Education Association* Conference.

12. Reviewer for *ACCELERATE Canada* internships program.
13. Reviewed and updated International Electrotechnical Commission (IEC) Standard 61227 on *Nuclear power plants – Control rooms – Operator controls*. (with J. Scott Malcolm).
14. Active participant in an IEEE Standard on *Recommended practice for the investigation of events at nuclear power plants*.
15. Reviewer for *Human Factors*.
16. Reviewer for *IEEE SMC: Systems, Man, & Cybernetics*.
17. Reviewer for *IEEE TNS: Transactions on Nuclear Science*.
18. Reviewer for *OMEGA: The International Journal of Management Science*.
19. Reviewer for *The Visual Computer*.
20. Reviewer 4th *International Symposium on Resilient Control Systems*.
21. Reviewer *Human Factors and Ergonomics Society* Annual Meeting.
22. Student Guest Editor for Crossroads 9.1: A special edition of the *ACM Crossroads Student Magazine* on Human-Computer Interaction (Fall-2002 issue).

G. INVITED WORKSHOP

1. *Designing Thinking Sessions on Experiential Education – Faculty Advisor*. eCampusOntario Student Experience Design (SXD) Lab, December 5-6, 2019. eCampusOntario, Toronto, Canada.
2. *Building and strengthening connections between UX practitioners and UX educators*. Fluxible Education Summit, September 20, 2019. Kitchener Public Library, Kitchener, Canada.
3. *Design Thinking Tools – Experience Mapping*. Digital Arts Services Symposium 2019, March 18, 2019. Toronto Reference Library, Toronto, Canada.
4. *How can we shape UX education and training to create a more engaged and effective workforce?* Fluxible Education Summit, September 22, 2017. Wilfrid Laurier University – Brantford Campus, Brantford, Canada.
5. *Change data capture - what is it and how it impacts solutions architecture?* CASCON 2009 Workshops, November 2, 2009. Hilton Suites Toronto/Markham Conference Centre, Markham, Canada (with Kris Kobylinski, Dan Snoddy, Mike Jory, and Mir Rupik).
6. *Real-time data integration through change data capture*. CASCON 2008 Workshops, October 29, 2008. Sheraton Parkway Toronto North Hotel and Convention Centre, Richmond Hill, Canada (with Kris Kobylinski and Dan Snoddy).

7. *User-Centered Design. SELF-ACE 2001 – Professional Workshops*, October 2, 2001. Bonaventure Hilton Hotel, Montréal, Canada (with Dr. Carolyn G. MacGregor).

H. INVITED PRESENTATION

1. *Faculty of Information TEAL Design Studio. Webinar for the University of Toronto TEAL Community of Practice*, November 25, 2019.
2. *User Experience, UCD, and Design Thinking. Guest lecture at the University of Toronto, Digital Media Distribution (JDM 3619) graduate class*, October 11, 2019.
3. *User Experience Design. Guest lecture at the University of Toronto, Engineering Strategies & Practice I (APS 111) undergraduate class*, November 19, 2018.
4. *L'expérience utilisateur. Guest lecture at the University of Toronto, Les bibliothèques et leurs publics en milieu francophone (INF 2300) graduate class*, October 30, 2018.
5. *User Experience, UCD, and Design Thinking. Guest lecture at the University of Toronto, Digital Media Distribution (JDM 3619) graduate class*, October 26, 2018.
6. *Teaching Stream Academic Positions. Panelist in Prospective Professors In Training (PPIT) Seminar*, November, 14, 2017. University of Toronto, Toronto, Canada.
7. *Teaching Stream Academic Positions. Panelist in Prospective Professors In Training (PPIT) Seminar*, November, 7, 2016. University of Toronto, Toronto, Canada.
8. *Psychological Aspects in Design. Guest lectures at the University of Toronto, Psychology for Engineers (MIE 242) undergraduate class*, September 22, 2016 (Part I) & October 20, 2016 (Part II).
9. *Introduction to Usability Engineering. Fall Symposium of the Occupational Hygiene Association of Ontario*, October 22, 2014. Toronto Congress Centre, Toronto, Canada.
10. *Human Factors Engineering. Princess Margaret Hospital Quality & Safety in Radiation Therapy Education Course*, February 24, 2012. Princess Margaret Hospital, Toronto, Canada.
11. *Les facteurs humains en santé. Soirée Métic*, February 21, 2012. Faculté de médecine, Université de Montpellier 2, Montpellier, France.
12. *Human Factors in Healthcare Systems. Guest lecture at York University, Analysis and Design of Health Information Systems (HLST 4310) undergraduate class*, November 29, 2011.

13. *Design for Sociotechnical Systems: The Importance of Human Factors Engineering. Guest lecture at the Ontario College of Art & Design, Design Methodologies: Theories and Concepts (VISC 3B11) undergraduate class, November 15 and 18, 2004; March 21, 2006.*
14. *On the DUal REservoir Simulation System (DURESS). Online guest lecture for the University of Virginia, Cognitive Systems Engineering (SYS 623) graduate class, April 1, 2004.*

AWARDS RECEIVED

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| A. FELLOWSHIP | 1. Centre for Community Partnerships Community-Engaged Teaching Faculty Fellowship Program, 2019 – 2022. University of Toronto. |
| B. TEACHING | 1. 2016-2017 Master of Information Student Council (MISC) Outstanding Instructor Award. Faculty of Information. University of Toronto. |
| C. NATIONAL | <ol style="list-style-type: none"> 1. NSERC Postgraduate Scholarship (PGS-B) National Research Award. 2. NSERC Postgraduate Scholarship (PGS-A) National Research Award. |
| D. INTERNAL | <ol style="list-style-type: none"> 1. Glynn Williams Doctoral Fellowship. Department of Mechanical & Industrial Engineering, University of Toronto. 2. Mary H. Beatty Fellowship: PhD entrance scholarship. School of Graduate Studies, University of Toronto. 3. University of Waterloo Graduate Scholarship for Academic Excellence (Fall-2001 and Summer-2001). 4. Prestigious Awards Centre of York University: Academic Excellence Scholarship (Fall/Winter 1999/2000 and Fall/Winter 1998/1999). 5. Community Service Bursary Program – York University, Glendon College. 6. Prestigious Awards Centre of York University: Residence Scholarship. 7. Prestigious Awards Centre of York University: BA Entrance Scholarship. |
| E. HONOURS | <ol style="list-style-type: none"> 1. First Class Graduation – Honours BA, York University. 2. Four times Member of the Principal's Honour Roll – York University, Glendon College. 3. R.A.P.: Recognition diploma for extracurricular activities. |

EXTRACURRICULAR ACTIVITIES

A. HUMAN FACTORS RELATED

1. 2004: HFES Student Chapter President for the Human Factors Interest Group (HFIG), Department of Mechanical and Industrial Engineering, University of Toronto.
2. 2000 – 2001: Chair of WatCHI (Waterloo Computer-Human Interaction student chapter – Association for Computing Machinery), University of Waterloo.

B. UNIVERSITY LIFE

1. 2016 – Present: Spokesperson for the UXD Concentration at the Information Sessions for Prospective Students, Faculty of Information, University of Toronto.
2. 2004 – 2006: Junior Fellow (non-resident) at Massey College, University of Toronto.
3. 2000 – 2002: Residence DON for the University of Waterloo Housing Services. *A DON assist residents in adapting to university life, implement educational and social programs for residents, refer policies and regulations for the well being of residents.*

LANGUAGES

Fluently bilingual: French and English.

Certificate of Bilingualism – French and English.
York University, June 2000.