

## ▶ ACADEMIC POSITIONS

**McMaster University, DeGroote School of Business**

- Assistant Professor, information system area (2023–Date)
- Sessional Faculty (2022 – 2023)

**University of Rochester**

- Research Consultant and Post-Doctoral Associate (2021 – 2022)

**University of Toronto, Institute for Global Health Equity, and Innovation**

- Research Associate in Implementation and Data Science (2016 – 2020)

## ▶ EDUCATION

**Ph.D. in Health Services Organization and Management (2021)**

Institute of Health Policy, Management and Evaluation (IHPME) at the **University of Toronto**

**Dissertation Topic:** What Causes Health? Revisiting Social Determinants of Health Through a Salutogenic Lens and Self-Reported Health as the Main Outcome: A Realist Evaluation

**Advisory Committee:** Drs. Alex Jadad, Blake Poland, George Tomlinson, and Suzanne Jackson

**Collaborative Doctoral Program in Global Health (2017)**

Dalla Lana School of Public Health (DLSPH) at the **University of Toronto**

A year-long program to gain substantive insight into global health issues and challenges.

**M.Sc. in Electronic Health (2014)**

DeGroote School of Business (DSB) at **McMaster University**

**Thesis Topic:** A PHR Component for Pregnant Women, Development and Usability Evaluation

**Advisory Committee:** Drs. Norm Archer, Milena Head, and David Chan

**Master of Business Administration (2009)** with a focus on information systems

Graduate School of Management and Economics (GSME) at **Sharif University of Technology**

**B.Eng. Software Engineering (2004)** with a focus on data management

School of Computer Engineering at **Iran University of Science and Technology**

**The capstone project:** Development of a pilot distance education and e-learning web application for the university.

## ► CERTIFICATES, COURSES, AND SPECIALIZATIONS

Specializations	Education provider	Date
• Artificial Intelligence Product Management	Duke University	2022
• Artificial Intelligence in Healthcare	Stanford University	2021
Courses and Certificates	Education provider	Date
• Community-based Participatory Research	University of Rochester	2023
• Ethics and Professional Integrity in Research	University of Rochester	2022
• Leading for Equity, Diversity, and Inclusion (EDI) in Higher Education	University of Michigan	2022
• Grantsmanship (The Art of Obtaining Grants)	University of Rochester	2022
• Economic and Social Networks	Stanford University	2021
• Machine Learning	Stanford University	2020
• R for Health Services Research	SickKids Hospital	2020
• Bayesian Statistics	University of California	2020
• Systems Thinking in Public Health	John Hopkins University	2020

## ► RESEARCH INTERESTS

- Data and implementation science in equity-focused, diverse, and inclusive pedagogy
- Using big data and information systems to create sustainable social impact
- Salutogenic approach to education
- Jobs of the future and the future of jobs

## ► FUNDED RESEARCH ON PEDAGOGY

### Team Innovator (2017)

University of Toronto, Dalla Lana School of Public Health (DLSPH)

- **Pedagogy for the Anthropocene:** Land-Based Learning for Socioecological Transformation  
**Amount:** 25,000 CAD  
**Grant team members:** Ben Brisbois, Keiwan Wind, Andrea Cortinois, Sarah Elton, Blake Poland (Dalla Lana School of Public Health, the University of Toronto), Raglan Maddox (University of Oxford), Roxanne Cohen (Conscious Minds Cooperative)

## ▶ PUBLICATIONS AND PRESENTATIONS

**Peer-Reviewed Papers and Conference Presentations**

- **Wind, K.**, Poland, B., Jackson, S. Tomlinson, G., & Jadad, A. (2022). Homelikeness as an essential factor for being or becoming healthy: The negative effect of migration on immigrants' sense of coherence. *Poster session at International Union for Health Promotion and Education (IUHPE) Conference, Montreal, QC, Canada.*
- Dadgostar, P., Ramchandran, R., Heydari, B., **Wind, K.**, Basant, J., Hazen, K., Sridhar, S., Devine, M., Fortuna, R., & Yousefi-Nooraie, R. (2022). Unraveling Dynamic Complexities of Implementing Teleophthalmology in Primary Care: A System Dynamic Model., *Poster session at the Annual Research Meeting Academy Health, Washington D.C.*
- Sadhra, H., **Wind, K.**, Basant, J., Bawany, M., Harrington, D., Johnson, B., Sabogal, E., Warrington, R., Federice, M., Fortuna, R., Hazen, K., Rodrigues, N., & Ramchandran, R. (2022). Factors associated with adherence to appointments in a teleophthalmology program for urban safety net primary care clinics: covid-19's effect, *Poster session at the 15th Annual Conference on the Science of Dissemination and Implementation in Health, Washington D.C.*
- Sabogal, E., Basant, J., Sadhra, H., Guo, D., Szekeres, D., McIntosh, S., Ossip, D., **Wind, K.**, Fortuna, R., Devine, M. and Hazen, K., 2022. Factors associated with follow up to eye care after teleophthalmology evaluation of diabetic patients. *Investigative Ophthalmology & Visual Science*, 63(7), pp.1400-A0096.
- Zaman, M., Andoniou, E., **Wind, K.**, Gibson, J., Upshur, R., Rojas, G., ... & Jadad, A. R. (2021). A good death: non-negotiable personal conditions for clinicians, healthcare administrators and support staff. *BMJ Supportive & Palliative Care.*
- Zadeh, F., Barragan, S., & **Wind, K.** (2019, May). The Happy and Productive Dilemma in an Assembly Job: An In-class Activity to Apply Scientific Management and Job Characteristics Model to Work Design. *47th Administrative Science Association of Canada (ASAC) Management Education Division, St. Catherine, ON.*
- Ariaeinejad, R., **Viand, K. S.**<sup>1</sup>, Demers, C., & Archer, N. (2012, April). Personal decision support for chronic disease self-management. In *Advances in health informatics conference (AHIC), Toronto, ON, Canada* (pp. 25-27)

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<sup>1</sup> I had a legal name change from Kayvan S. Viand to Keiwan S. Wind.

**Work Submitted to Refereed Journals**

- **Wind, K., Poland, B., Zadeh, F., Jackson, S., Tomlinson, G., & Jadad, A. (under review- copy available 2023).** Investigating the possibility of using Self-Reported Health as the outcome of interest for the Social Determinants of Health framework: A scoping review of reviews. *Health promotion international* (**ABDC Ranking: A**).
- **Wind, K., Poland, B., Zadeh, F., Jackson, S., Tomlinson, G., & Jadad, A. (under review- copy available 2022).** Sense of Coherence and Social Determinants of Self-Reported Health: A Systematic Realist Review. *Health promotion international* (**ABDC Ranking: A**).

**Work in Progress**

- **Wind, K. (study design in progress in collaboration with Indeed).** A data scientist approach to bridging the gap between data science curriculum and the job market. Will be submitted to the *Academy of Management Learning and Education* (**ABDC Ranking: A\***)
- **Wind, K., Poland, B., Jackson, S., Tomlinson, G., & Jadad, A. (ready to submit).** Homelikeness as an essential factor for being or becoming healthy: The negative effect of migration on immigrants' sense of coherence. Will be submitted to *Health Service Research* (**ABDC Ranking: A**).
- **Wind, K., Poland, B., Jackson, S., Tomlinson, G., & Jadad, A. (ready to submit).** Health is caused by the silent interactions among its determinants. *American Journal of Public Health* (**ABDC Ranking: A\***).
- **Wind, K., Yousefi-Nooraie, R., Ossip, D., Hazen, K, Dozier, A., & Ramchandran, R. (data collection in-progress)** A feasibility study of using mobile health services to influence health behaviour among patients with diabetes. Will be submitted to the *Journal of the American Medical Informatics Association* (**ABDC Ranking: A**)
- **Dadgostar, P., Wind, K., Ramchandran, R., Heydari, B., & Yousefi-Nooraie, R. (data analysis in progress).** Unravelling Dynamic Complexities of Implementing Teleophthalmology in Primary Care: A System Dynamic Model. Will be submitted to *System Dynamics Review* (**ABDC Ranking: A**).
- **Brisbois, B., Uwimana, S., Nguyen-Dang, M., Agyakwa-Bempong, B., Cohen, R., Cortinois, A., Elton, S., Maddox, R., Mychajluk, L., O'Neill, E., Poland, B. & Wind, K. (manuscript development in progress)** Pedagogy for the Anthropocene? An integrated political ecology of education, knowledge and health. Will be submitted to the *Journal of Political Ecology* (Impact Factor: 3.9).

**Published Book Chapters**

- **Wind, K.**, & Zadeh, F. (2017). An evolving conceptual framework: Taking advantage of the power of self-assessed health in the workplace. *Unleashing a pandemic of health from the workplace: Believing is seeing*. (pp. 101–129). Beati Inc.
- Zadeh, F., & **Wind, K.** (2017). Towards health-creating Management. *Unleashing a pandemic of health from the workplace: Believing is seeing*. (pp. 153–178). Beati Inc.
- Sepúlveda, J. H. D., Arciniegas, J. A., Secura, A. D. P. A., Lopez Mahecha, S. L., Rodríguez, D. G., Espinal, S., **Wind, K.**, Arengo, A., Jadad, A. R. (2017). Obtaining a baseline and identifying the challenges, stressors, and stress faced by workers. *Unleashing a pandemic of health from the workplace: Believing is seeing*. (pp. 179–200). Beati Inc.

**Edited Book**

- Jadad AR, Arango A, Devia JH, Espinal S, Rodríguez D, **Wind K.** (2017) *Unleashing a pandemic of health from the workplace: Believing is seeing* (Eds.). Beati Inc.

## ▶ TEACHING INTERESTS

- Data Mining and Business Intelligence
- Business Applications of Data Analytics and Artificial Intelligence
- eHealth, mHealth, Health Informatics, and Health Data Analytics
- Strategies for Electronic and Mobile Business
- Information Systems Design, Development, and Implementation
- Project Management
- System Dynamics Modelling for Wicked Business Problems
- Social Network Analysis for Innovation and Information Systems Implementation

## ▶ PROGRAM/COURSE DESIGN AND TEACHING EXPERIENCE

**Program Architecture Lead**

University of Toronto (Program in Impactful Giving from Jan 2019 - Dec 2020)

- Repurposed and used corporate-level strategy to **design a hub for connecting researchers, students, community activists, and new generations of philanthropists** in finding innovative solutions for the most urgent social and health issues of our time.

**Course Designer**

University of Rochester (online course for Summer 2023)

- **Graduate Course:** System Dynamics and its Applications

McMaster University, DeGroot School of Business (2022)

- **MBA Course:** Business Applications of Data Analytics and Artificial Intelligence
- **MSc in eHealth Course:** Statistics for eHealth

**Course Instructor**

McMaster University, DeGroot School of Business (2022-Date)

- **MBA Course:** Business Applications of Data Analytics and Artificial Intelligence
- **MSc in eHealth Course:** Statistics for eHealth
- **Undergrad Courses:**
  - Data Mining and Business Analytics
  - Information Systems in Management

Tianjin University of Technology, Tianjin, China (2018)

- **Undergrad Course:** Business Ethics and Society

**MOOC (Massive Open Online Course) Designer**

University of Toronto, Dalla Lana School of Public Health (2019)

- **Title: Massive Open Online Course (MOOC)** for the Program in Impactful Giving.

**Social Entrepreneurship Workshop Instructor**

University of Toronto, Dalla Lana School of Public Health (2016-2018)

- **Jobs of the future and the future of the job (2018):** to reinvent the future of jobs in the artificial intelligence and machine learning era.
- **Hacking food (2016):** an initiative to tackle food security in Canada's largest city.

**Master's and Undergraduate Interns' Supervisor**

University of Toronto, Dalla Lana School of Public Health (2016-2020)

- **Topics: Data Analytics, Machine Learning, Research Methods, and Social Entrepreneurship**

**Tutor**

McMaster University, DeGroot School of Business (2013)

- **MSc in eHealth Course:** Fundamentals of eHealth and the Canadian Health Care System.

## ▶ OTHER RELATED EXPERIENCE

**Social Innovation Program Lead (2015 – 2018)**

Institute for Global Health Equity and Innovation, University of Toronto

- Proposed social innovation ideas in the 2018 annual meeting of Canada's top 40 under 40 for reinventing the future of jobs and **understanding the nature of education and work** for future generations in the automation, **artificial intelligence, and machine learning era**.
- Funded seven multidisciplinary teams of community-based organizations, students, and early-career faculty members with projects leading to scalable and sustainable social enterprises to promote greater equity in health (as a funding committee member).
- Participated in organizing several events for THE AGENCY, a hub to connect the University of Toronto family with community activists to facilitate social innovation.

**Health Informatics Project Manager and eHealth Intern (2012 – 2014)**

McMaster University, OSCAR EMR (Electronic Medical Records) – Hamilton, ON

- **Developed an application** to collect and analyze administrative, medical and health data and generate analytical reports for Ontario MD, OSCAR EMR and its service providers.
- Reviewed, produced, and updated training and technical materials for the EMR.
- Implemented and administered an open-source project management tool for EMR team.

**Knowledge Manager and CEO's Adviser in Change and Strategy (2007 – 2010)**

Shams Tamin (High-Tech Investment Company) – Tehran, Iran

- **Led development of holding's ICT masterplan** identifying strategic investment priorities.
- **Set IS governance mechanisms** for a nationwide eHealth project with about 26M users.
- Designed and managed fundamental change programs for the company.

**Software Development Project Manager (2001 – 2006)**

Sepanta Network Solutions – Tehran, Iran

- **Developed and implemented an integrated management information system**, eBusiness platform, and m-Commerce tools with components such as sales, accounting, and CRM.

*Last Updated: July 1, 2023*