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# Shalaleh Rismani

 [shalaleh.rismani@gmail.com](mailto:shalaleh.rismani@gmail.com) |  0000-0002-5281-2428 |  [www.shalalehrismani.com](http://www.shalalehrismani.com)

## Education

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- Postdoctoral researcher, School of Computer Science 2025 - present  
*McGill University and Mila Quebec AI Institute (Montreal, Canada)*  
**Advisors:** Dr. Jackie Cheung and Dr. Jin Guo
- Doctor of Philosophy (Ph.D.), Electrical and Computer Engineering 2020 - 2025  
*McGill University and Mila Quebec AI Institute (Montreal, Canada)*  
**Thesis title:** Establishing System Safety Practices for Responsible AI Development  
**Advisor:** Dr. AJung Moon
- Masters of Applied Science (M.A.Sc.), Biomedical Engineering 2013 - 2017  
*University of British Columbia (Vancouver, Canada)*  
**Thesis title:** Use of Activity Theory as Basis for a Novel Needs-Finding Technique for Medical Device Development in Low-Resource Environments  
**Advisor:** Dr. Machiel Van Der Loos
- Bachelors of Applied Science (B.A.Sc.), Mechanical Engineering (Mechatronics) 2008 - 2013  
*University of British Columbia (Vancouver, Canada)*  
Graduated with Dean's Honour List

## Notable Awards, Grants and Recognitions

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### Academic Scholarships

#### **CIFAR AI Safety Postdoctoral Fellowship – 2025**

*(Co-applicant - awarded to 10 top candidates focused on AI safety research, CAD \$100,000/year for one year)*

#### **IVADO Post Doctoral Fellowship – 2025**

*(Main applicant - awarded to 11 top candidates focused on Robust, Reasonable and Responsible AI, CAD \$100,000/year for two years)*

#### **Microsoft Research – Mila Grant – 2023 - 2024**

*(Co-applicant – granted \$75,000 for a collaborative project between Mila and Microsoft Research in Montreal)*

#### **Google Research – Mila Grant – 2023 - 2024**

*(Co-applicant – granted \$60,000 for a collaborative project between Mila and Google Research in Montreal)*

#### **NSERC Canadian Graduate Scholarship (Doctoral) – 2022**

*(Main applicant - awarded to top 20% of doctoral applicants in Canada; valued at CAD 35, 000/year for one year)*

#### **NSERC Postgraduate Graduate Scholarship (Doctoral) – 2020**

*(Main applicant - awarded to top 40% of doctoral applicants in Canada; valued at CAD \$21,000/year for two years)*

#### **Les Vadasz Engineering Fellowship (Doctoral) – 2020**

*(Main applicant - awarded to top applicants to engineering doctoral programs at McGill University; valued at CAD \$32,000 for four years)*

#### **NSERC Canadian Graduate Scholarship (Masters) – 2013**

*(Main applicant - awarded to top 25% graduate students in Canada; valued at CAD \$17,500/year)*

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### Awards for Research, Innovation and leadership

#### **AI, Ethics and Society (AIES) 2025 Best Paper Award – 2025**

*(Best paper awards: top 1.6%, Acceptance rate: 34%; AIES is a leading AAAI/ACM conference in AI ethics.)*

#### **AI, Ethics and Society (AIES) 2023 Honorable Mention Best Paper Award – 2023**

*(Acceptance rate: 28.9%; AIES is a leading AAAI/ACM conference in AI ethics.)*

#### **We Robot 2020 Best Poster Award – 2020**

*(Top poster among participants at the premier conference on law, policy, and robotics)*

#### **Diamond Jubilee II Medal of Canada – 2013**

*(Awarded for significant contributions to Canadian community, marking Queen Elizabeth II's 60th anniversary)*

## Relevant Work Experience

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### Responsible AI researcher and educator (*part-time*)

Mila Quebec AI Institute, Montreal, Canada

Jan 2023- Present  
Oct 2021 – April 2022

- Contributed as a core team writer to the International AI Safety Report, supporting translation of interdisciplinary research into guidance for policymakers, industry, and AI researchers.
- Conducted organizational research on adoption of AI ethics and safety practices in research and applied ML settings.
- Supported development of practical Responsible AI frameworks for machine learning researchers.
- Led and contributed to research informing AI governance and policy development in Canada.
- Collaborated with researchers, policymakers, and industry stakeholders to bridge AI safety research and implementation.

### Executive director and researcher (*part-time*)

Open Roboethics Institute, Vancouver, Canada

Nov 2016 – Present

- Lead a non-profit organization focused on Responsible AI, roboethics, and human–AI interaction.
- Designed and facilitated workshops for industry and policy audiences on the implications of AI and robotics deployment in the Canadian context.
- Launched and led ORI Learning Hubs, engaging 80+ undergraduate participants in AI ethics and roboethics during the COVID-19 period.
- Developed and published the Foresight into AI Ethics Toolkit to assess and manage ethical and social risks in AI-enabled workplaces.
- Built partnerships with academic institutions, industry leaders, and policymakers to advance applied Responsible AI initiatives.
- Delivered talks across academic, industry, and public venues to promote responsible AI and robotics adoption.

### Student researcher

Google, Montreal, Canada

May 2022 – Dec 2022

- Conducted applied research on safety engineering frameworks for AI systems, including generative AI.
- Designed qualitative case studies spanning both generative and non-generative AI systems, with text-to-image models as a primary GenAI focus.
- Collaborated with interdisciplinary teams to address challenges in operationalizing AI safety frameworks across different system types.
- Contributed to technical reports, communicating findings to technical and non-technical stakeholders.

### Founder and System Analyst

Generation R, Vancouver, Canada

Nov 2016 – Jan 2019

- Co-founded a start-up focused on ethical and social risk assessment for AI and robotics projects.
- Developed a toolkit to identify and mitigate human-centered risks in AI and automation initiatives.
- Led impact assessments for organizations deploying predictive algorithms and care robotics.
- Advised organizations on responsible AI adoption aligned with organizational and regulatory expectations.

## Conference Publications

Published in top-tier conferences with a competitive 25% (or lower) acceptance rate, including:

- **CHI**: Conference on Human Factors in Computing Systems
- **AIES**: ACM Conference on AI, Ethics, and Society
- **FAccT**: Conference on Fairness, Accountability, and Transparency

These prestigious **ACM** (Association of Computing Machinery) and **AAAI** (Association for the Advancement of Artificial Intelligence) venues are leaders in advancing responsible AI practices, ethical innovation, and human-centered solutions—critical areas shaping the future of technology and business.

- C1. **[FAccT 2026]** [In review] **Rismani, S.**, Dobbe, R., & Moon, A. (2026). From silos to systems: Process-oriented Hazard Analysis for AI systems. *Proceedings of the 2026 ACM Conference on Fairness, Accountability, and Transparency*.
- C2. **[FAccT 2026]** [In review] Chehbouni, K., Occhini, G., **Rismani, S.**, Leal, A., Sefala, R., Molamohammadi, M., Chi Kit Cheung, J., Rolnick, D., & Farnadi, G. (2026). Nothing New Under the GenAI Sun? Mapping Persistent System-Level Hazards Along the AI Lifecycle. *Proceedings of the 2026 ACM Conference on Fairness, Accountability, and Transparency*.
- C3. **[CHI 2026]** [Accepted] **Rismani, S.**, Blodgett, S. L., Liao, Q. V., Olteanu, A., and Moon, A. J. (2026). From Use to Oversight: How Mental Models Influence User Behavior and Output in AI Writing Assistants. *In Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems*.
- C4. 🏆 **[AIES 2025]** **Rismani, S.**, Shelby, R., Davis, L., Rostamzadeh, N., & Moon, A. (2025). Measuring What Matters: Connecting AI Ethics Evaluations to System Attributes, Hazards, and Harms. *Proceedings of the 2025 AAAI/ACM Conference on AI, Ethics, and Society*, 8(3), 2199-2213. **[Best paper award]**
- C5. **[CHI 2024]** Shelby, R., **Rismani, S.**, & Rostamzadeh, N. (2024). Generative AI in creative practice: ML-artist folk theories of T2I use, harm, and harm-reduction. *Proceedings of the CHI Conference on Human Factors in Computing Systems*, 12, 1–17.
- C6. **[CEEA 2024]** Ananto, R. A., **Rismani, S.**, Zhu, L., Wong, C. Y., & Moon, A. (2024). Roboethics for Everyone—A Hands-On Teaching Module for K-12 and Beyond. *Canadian Engineering Education Association*.
- C7. **[AIES 2023]** **Rismani, S.**, Shelby, R., Smart, A., Delos Santos, R., Moon, A.\* & Rostamzadeh, N.\* (2023). Beyond the ML Model: Applying Safety Engineering Frameworks to Text-to-Image Development. *Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society*, 70–83.
- C8. **[AIES 2023]** **Rismani, S.**, & Moon, A. (2023). What does it mean to be a responsible AI practitioner: An ontology of roles and skills. *Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society*, 584–595.
- C9. **[CHI 2023]** **Rismani, S.**, Shelby, R., Smart, A., Jatho, E., Kroll, J., Moon, A., & Rostamzadeh, N. (2023). From Plane Crashes to Algorithmic Harm: Applicability of Safety Engineering Frameworks for Responsible ML. *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*.
- C10. 🏆 **[AIES 2023]** Shelby, R., **Rismani, S.**, Henne, K., Moon, A., Rostamzadeh, N., Nicholas, P., Yilla-Akbari, N. 'mah, Gallegos, J., Smart, A., Garcia, E., & Virk, G. (2023). Sociotechnical Harms of Algorithmic Systems: Scoping a Taxonomy for Harm Reduction. *Proceedings of the 2023 AAAI/ACM Conference on AI, Ethics, and Society*, 723–741. **[Honorable best paper award]**
- C11. **[FAccT 2023]** Chan, A., Salganik, R., Markelius, A., Pang, C., Rajkumar, N., Krasheninnikov, D., Langosco, L., He, Z., Duan, Y., Carroll, M., Lin, M., Mayhew, A., Collins, K., Molamohammadi, M., Burden, J., Zhao, W., **Rismani, S.**, Voudouris, K., Bhatt, U., ... Maharaj, T. (2023). Harms from Increasingly Agentic Algorithmic Systems. *Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency*, 651–666.

C12. **[ICRA 2022]** Rhim, J., Lin, C., Werner, A., DeHart, B., Qiang, V., **Rismani, S.**, & Moon, A. (2022). Roboethics as a Design Challenge: Lessons Learned from the Roboethics to Design and Development Competition. *2022 International Conference on Robotics and Automation (ICRA)*, 11244–11250.

C13. **[ISTAS 2021]** **Rismani, S.**, Moon, A., (2021). How do AI systems fail socially?: an engineering risk analysis approach. *2021 IEEE International Symposium on Ethics in Engineering, Science and Technology*.

C14. **[We Robot 2020]** Szilagyi, K., Millar, J., Moon, A., **Rismani, S.** (2021). Driving into the Loop: Mapping Automation Bias & Liability Issues for Advanced Driver Assistance Systems. *2021 We Robot, Virtual*.

C15. 🏆 **[We Robot 2020]** **Rismani, S.**, Moon, A. (2020). Can we measure ethics of an AI system? If yes, what do we measure? How do we measure?. *2020 We Robot, Virtual*. **[Best poster award]**

C16. **[PAPI 2018]** Moon, A. Kim, S., **Rismani, S.**, Millar, J. (2018). Lessons Learned: An Ethics Roadmap for Real-Time Predictions. *presented at PAPIs.io 2018, UK*.

C17. **[CEEA 2018]** **Rismani, S.**, Ostafichuk, P., Jaeger, C., & Nakane, J. (2018). Using a project on assistive technology to teach cad and rapid prototyping. *Proceedings of Canadian Engineering Education Association (CEEA)*.

C18. **[ICED 2017]** **Rismani, S.**, & Van der Loos, H. F. M. (2017). Improving needs-finding techniques for medical device development at low resource environments using Activity Theory. In *DS 87-1 Proceedings of the 21st International Conference on Engineering Design (ICED 17) Vol 1: Resource Sensitive Design, Design Research Applications and Case Studies, Vancouver, Canada, 21-25.08.2017* (pp. 249–258).

C19. **[EMBC 2016]** **Rismani, S.**, Ratto, M., & Machiel Van der Loos, H. F. (2016). Use of activity theory-based need finding for biomedical device development. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. (EMBC)*. 4341–4344.

C20. **[ICED 2015]** **Rismani, S.**, & Van der Loos, H. F. M. (2015). The competitive advantage of using 3D-printing in low-resource healthcare settings. *Proceedings of the 20th International Conference on Engineering Design (ICED)*, 495–504.

C21. **[HIC 2014]** **Rismani, S.**, Allan, G., Chung, V., Tam, R., Wilson, D. R., & Van der Loos, H. F. M. (2014). Applying the biodesign innovation process: Addressing the inadequate supply of surgical screws in the developing world. *2014 IEEE Healthcare Innovation Conference (HIC)*, 259–262.

## Journal Publications

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J1. **[In review]** **Rismani, S.**, Dobbe, R., & Moon, A. (2026). From silos to systems: Process-oriented Hazard Analysis for AI systems. In *The journal of Artificial Intelligence (AIJ)*.

J2. **Rismani, S.**, Davis, L., Mingole, B., Rostamzadeh, N., Shelby, R., & Moon, A. (2025). Responsible AI measures dataset for ethics evaluation of AI systems. *Nature Scientific Data*, 12(1), 1980.

J3. Szilagyi, K., Millar, J., Moon, A., & **Rismani, S.** (2023). Driving into the loop: Mapping automation bias and liability issues for advanced driver assistance systems. *Digital Society: Ethics, Socio-Legal and Governance of Digital Technology*, 2(3), 41.

J4. Moon, A., **Rismani, S.**, & Van der Loos, H. F. M. (2021). Ethics of corporeal, co-present robots as agents of influence: A review. *Current Robotics Reports*, 2(2), 223–229.

J5. Smith, E. M., **Rismani, S.**, Ben Mortenson, W., Mihailidis, A., & Miller, W. C. (2019). A chance to try”: Exploring the clinical utility of shared-control teleoperation for powered wheelchair assessment and training. *The American Journal of Occupational Therapy: Official Publication of the American Occupational Therapy Association*, 73(6).

## Workshop Publications

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W1. Paris, T., & **Rismani, S.** (2025). When Openness Fails: Lessons from System Safety for Assessing Openness in AI. In Proceedings of the Symposium on Model Accountability, Sustainability and Healthcare (SMASH 2025). arXiv:2510.10732. <https://doi.org/10.48550/arXiv.2510.10732>

W2. **Rismani, S.**, Blodgett, S. L., Olteanu, A., Liao, Q. V., & Moon, A. (2024). How different mental models of AI-based writing assistants impact writers’ interactions with them. *Proceedings of the Third Workshop on Intelligent and Interactive Writing Assistants, 12*, 34–37.

W3. Walker, A. M., DeVito, M. A., Badillo-Urquiola, K., Bellini, R., Chancellor, S., Feuston, J. L., Henne, K., Kelley, P. G., **Rismani, S.**, Shelby, R., & Zhang, R. (2024). “What is Safety?”: Building Bridges Across Approaches to Digital Risks and Harms. *Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing*, 736–739.

W4. **Rismani, S.**, Shelby, R., Smart, A., Jatho, E., Kroll, J., Moon, A., Rostamzadeh, N. (2022). From plane crashes to algorithmic harm: applicability of safety engineering frameworks for responsible ML. NeurIPS Workshop on Machine Learning Safety 2022.

W5. Jatho, E., Mailloux, L., **Rismani, S.**, Williams, E., Kroll, J. (2022). System Safety Engineering for Social and Ethical ML Risks: A Case Study. NeurIPS Workshop on Machine Learning Safety 2022.

## Collaborative Reports

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*As part of my professional engagement with Mila Quebec AI Institute, where I serve as a Responsible AI Researcher, and as Executive Director and Researcher at the Open Roboethics Institute, I have led collaborative reports focused on advancing ethical, and responsible AI/robotics development. These projects have informed policy development in Canada and internationally, including in Korea, and have directly supported businesses such as JDQ Systems and Technical Safety BC in implementing responsible AI strategies.*

### R1. International AI Safety Report 2026

International AI Safety Report, [February 2026](#)

Authors: Yoshua Bengio, Stephen Clare, Carina Prunkl, Maksym Andriushchenko, Ben Bucknall, Malcom Murray, **Shalaleh Rismani**, Conor McGlynn, Nestor Maslej, Philip Fox, et al.

*(The second International AI Safety Report, published in February 2026, is the next iteration of the comprehensive review of latest scientific research on the capabilities and risks of general-purpose AI system)*

### R2. Second Key Update: Capabilities and Risk Implications

International AI Safety Report, [November 2025](#)

Authors: Yoshua Bengio, Stephen Clare, Carina Prunkl, **Shalaleh Rismani**, Maksym Andriushchenko, Ben Bucknall, Philip Fox, et al.

*(Prepared official update summarising developments in AI risk management and technical safeguards)*

### R3. First Key Update: Technical Safeguards and Risk Management

International AI Safety Report, [October 2025](#)

Authors: Yoshua Bengio, Stephen Clare, Carina Prunkl, **Shalaleh Rismani**, Maksym Andriushchenko, Ben Bucknall, Philip Fox, Nestor Maslej, Conor McGlynn, Malcolm Murray et al.

*(Prepared official update covering AI capabilities and risk implications in 2025)*

R4. How Canada Should Navigate the Tension Between Jobs and AI-Driven Automation

ISED Consultation on Canada's AI Strategy, [October 2024](#)

Authors: Shalaleh Rismani, AJung Moon, Shane Saunderson, Hallie Siegel

(Developed policy brief to inform federal policy on AI-driven automation and workforce impacts)

R5. Union Partnerships Report: Exploring technology deployment strategies for Canadian organizations that actively engage workers

Canadian Robotics Council and Open Roboethics Institute, [November 2024](#)

Authors: **Shalaleh Rismani**, Simona Chiose

(Developed to inform Canadian policy conversations about integration of robotics and its impact on labour force)

R6. General Purpose AI Systems: capabilities, limitations, and risks

Mila Quebec AI Institute, [May 2024](#)

Authors: Claire Boine, **Shalaleh Rismani**, Henri Vilandre, Anna Jahn

(Prepared for Innovation, Science and Economic Development (ISED) Canada to inform Canadian AI regulations)

R7. Psychological Impact of AI Systems

Mila Quebec AI Institute, [May 2023](#)

Authors: **Shalaleh Rismani**, Isadora Hellegren, Anna Jahn

(Prepared for Innovation, Science and Economic Development (ISED) Canada to inform Canadian AI regulations)

R8. Foresight into AI Ethics Toolkit: A toolkit for creating an ethics roadmap for your AI project

Open Roboethics Institute, [October 2019](#)

Authors: AJung Moon, **Shalaleh Rismani**, Jason Millar, Terralynn Forsyth, Jordan Eshpeter, Muhammad Jaffar, Anh Phan

(Developed one of the first openly accessible toolkits for mapping ethical issues for AI systems)

R9. JDQ Systems Code of Ethics: Design and Deployment of a Robotic Platform for Developmental Disability Association Group Homes

Open Roboethics Institute, [February 2019](#)

Authors: **Shalaleh Rismani**, AJung Moon

(Developed code of ethics for JDQ Systems used internally for developing a care robotic platform)

R10. Report Series - Public Opinion Surveys and Perspectives on Self-Driving Cars

Open Roboethics Institute, [2017-2018](#)

Authors: **Shalaleh Rismani**, AJung Moon and Jason Millar

(Designed and analyzed three public opinion surveys and an interview-based qualitative study to examine public perspectives towards self-driving cars. The report informed Korean policy makers.)

R11. Ethics Analysis of Predictive Algorithms: An Assessment Report for Technical Safety BC

Generation R Consulting (Currently Open Roboethics Institute), [July 2017](#)

Authors: **Shalaleh Rismani**, AJung Moon and Jason Millar

(Led and conducted a comprehensive AI ethics internal audit for Technical Safety BC)

R12. The Ethics and Governance of Lethal Autonomous Weapons Systems

Open Roboethics Institute, [November 2015](#)

Authors: Jason Millar, AJung Moon, **Shalaleh Rismani**

(Co-authored a report presented at the U.N. Convention for Conventional Weapons summarizing the results from an international public opinion poll)

## Service

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### **Conference Organization**

FAccT 2026 Social Co-Chair

*Organizers: Wesley Deng, **Shalaleh Rismani***

*(Co-organize the social events track by selecting them and helping various events in their preparation)*

### **Workshop and Tutorial Organization**

**FAccT 2024 Translation Tutorial: *Translating Lessons from 100 Years of Safety Engineering to Responsible ML Development***

*Organizers: **Shalaleh Rismani**, Roel Dobbe, Ajung Moon*

*(Co-developed tutorial translating safety engineering principles into actionable practices for responsible AI development)*

**FAccT 2024 Dialogue/Implications Tutorial: What is Sociotechnical AI Safety? A Participatory Workshop About Defining and Expanding Responses to Sociotechnical Risk in AI Safety**

*Organizers: Andrew Smart, Shazeda Ahmed, Jake Metcalf, Atoosa Kasirzadeh, Luca Belli, **Shalaleh Rismani**, Roel Dobbe, Abbie Jacobs, Joshua A. Kroll, Donald Martin Jr., Renee Shelby, Heidy Khlaaf*

*(Co-developed materials for this participatory workshop on sociotechnical approaches to AI safety)*

**CSCW 2024 Workshop: “What is Safety?” Building Bridges Across Approaches to Digital Risks and Harms**

*Organizers: Ashley Marie Walker, Michael Ann, Karla Badillo-Urquiola, Rosanna Bellini, Stevie Chancellor, Jes Feuston, Kathryn Henne, Dr. Patrick Gage Kelley, **Shalaleh Rismani**, Renee Shelby, Renwen Zhang*

*(Collaborated with an interdisciplinary team to explore shared definitions of safety across domains)*

**Mila Quebec AI Institute Workshop on Capabilities and Risks of General-Purpose AI Systems (GPAI)**

*Organizers: Claire Boine, **Shalaleh Rismani**, Henri Vilandre, Anna Jahn*

*(Assisted the development of a workshop to examine and map out capabilities and risks of GPAs. This workshop was conducted as part of a Mila-ISED collaboration in 2024 to inform Canadian AI regulations).*

**Mila Quebec AI Institute Workshop on Psychological Impact of AI Systems**

*Organizers: **Shalaleh Rismani**, Isadora Hellegren Létourneau, Henri Vilandre, Anna Jahn*

*(Led the development and facilitation of a workshop to scope out psychological impact of AI systems. This workshop was conducted as part of a Mila-ISED collaboration in 2023 to inform Canadian AI regulations).*

**CVPR 2023 Workshop: Third Workshop on Ethical Considerations in Creative Applications of Computer Vision (EC3V)**

*Organizers: Rida Qadri, Mohammad Havaei, Emily Denton, Ziad Al-Halah, Fernando Diaz, Negar Rostamzadeh, Sarah Laszlo, **Shalaleh Rismani**, Atieh Taheri, Pamela Peter-Agbia, Eva Kozanecka*

*(Invited speakers to discuss ethical and social issues of creative computer vision applications)*

**Roboethics Competition (ROMAN 2021 and ICRA 2022)**

*Organizers: Ajung Moon, Brandon Dehart, Jimin Rhim, Rahat Ananto, and **Shalaleh Rismani***

*(Assisted with providing educational material for participants, judging and also conducting public opinion polls.)*

**Canadian Engineering Education Association Annual Conference (2021): Enhancing Engineering Education Through Collaboration Across Disciplines to Create Health and Assistive Technologies**

*Organizers: **Shalaleh Rismani**, Emily Smith, Machiel Van der Loos, William C. Miller*

*(Facilitated and presented strategies for interdisciplinary collaboration in engineering education)*

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### **Peer-review Service**

**FAccT 2026:** Reviewer

*(Reviewed papers related system deployment and development and responsible AI evaluation)*

**Nature Machine Intelligence:** Reviewer

*(Reviewed a perspective piece about agency in human-AI interaction)*

**CHI 2026:** Reviewer

*(Reviewed submissions related to HCI and responsible AI)*

**AIES 2025: Reviewer**

*(Reviewed submissions related to HCI and responsible AI)*

**CHI 2025: Area Chair**

*(Managed peer review process for five papers which include desk reject identification, finding and assigning reviewers and synthesizing reviewer feedback in a meta-review)*

**FAccT 2024: Program Committee Member**

*(Reviewed six papers at the intersection of fairness, accountability, and transparency in AI systems)*

**CHI 2024: Reviewer**

*(Reviewed submissions related to HCI and responsible AI)*

**HRI 2024: Reviewer**

*(Reviewed papers on human-robot interaction and responsible design)*

**NeurIPS 2023: Reviewer for Socially Responsible Language Modelling Research Workshop**

*(Reviewed submissions focusing on societal impacts of language model)*

**AIES 2021, 2022: Reviewer**

*(Reviewed work on AI ethics for this leading conference)*

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**Mentorship and Supervision Experience****Cheng Lin (Industry practitioner, incoming PhD): May 2025 – Present**

*General mentorship about starting PhD in field of AI ethics and HCI and transitioning back into academia*

**Tamara Paris (PhD): June 2025 – Present**

*General mentorship about various project directions and how to become a better academic*

**Khaoula Chehbouni (PhD): Jan 2023– Present**

*General mentorship about system safety research and outreach in responsible AI community*

**Michelle Lin (MSc): Jan 2024 – Present**

*General mentorship about research and outreach in responsible AI community*

**Leah Davis (PhD): May 2022 – Oct 2025**

*Supervised work on a scoping review, MSc project scoping, and dataset visualization. Supported student leadership development at the Open Roboethics Institute.*

**Gauri Sharma (MSc): July – September 2024**

*Supervised work on setting up a human-AI interaction experiment platform.*

**Bonam Mingole (MSc, Working Professional): August 2023 – April 2024**

*Supervised work on an extensive scoping review.*

**Kiara Wimbush (Senior Undergraduate): September 2023 – December 2023**

*Supervised work on setting up a human-AI interaction experiment platform and pilots.*

**Ava Gilmour (Senior Undergraduate): August 2023 – November 2023**

*Supervised work on query searches for a scoping review.*

**Vivian Qiang (Senior Undergraduate): May 2021 – April 2022**

*Mentored Open Roboethics Institute intern on grant writing and funding strategies.*

**Cheng Lin (Senior Undergraduate): September 2021 – April 2022**

*Supported student leadership development at the Open Roboethics Institute.*

**Jake Chanenson (Senior Undergraduate): May 2020 – August 2020**

*Supervised work on scoping review and academic paper writing.*

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**Community Involvement and Volunteering****Executive Director**

Jan 2020 – Present

**Open Roboethics Institute**

Lead the strategic direction and operations of the institute, advancing research and initiatives at the intersection of robotics, AI, and ethics. Prior to being the executive director in a volunteer capacity, I was a co-founder and researcher at ORI where I worked on paid contracts.

**Volunteer Member**

Apr 2013 – Nov 2016

**Open Roboethics Initiative**

Contributed to research, and project execution of various projects as a volunteer contributor. In late 2016, I co-founded ORI as a not-for-profit organization and worked professionally at ORI from 2016 to 2019, leading impactful initiatives and

advancing the institute's mission in ethical AI and robotics. In 2020, as I started by doctoral studies at McGill University, I started serving as executive director of ORI in volunteer capacity.

### **Founder, Co-Director and Choreographer**

Jun 2009 – Present

#### ***Chichak Performing Arts (previously Chichaklar Dance Company)***

Founded the company and oversee artistic direction, choreography, and teaching for a dance company specializing in innovative performances rooted in Azerbaijani cultural heritage. Recently the focus has been on modernizing folk dance.

### **Vice President, External Communication**

Jan 2020 – Aug 2021

#### ***Graduate Engineering Equity Committee (GEEC)***

Managed external relations, promoting equity and inclusion initiatives within the engineering graduate community.

### **Vice President of Communication**

Jan 2014 – Dec 2015

#### ***Mechanical Engineering Graduate Association***

Directed communication strategies and organized events to enhance the graduate student experience.

### **Event Coordinator**

Apr 2011 – Apr 2013

#### ***Women in Engineering, UBC Student Development***

Planned and executed events promoting diversity, inclusion, and professional development for women in engineering.

## **Teaching and Curriculum Design Experience**

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### **Teaching assistant and curriculum designer ECSE 557, Introduction to Ethics of AI Systems**

June 2021- April 2024

McGill University, Canada

- Assist in the design and development of the course content for tutorials and the assignments
- Deliver tutorials on practical operationalization of AI ethics toolkits and frameworks

### **Adjunct Professor, APSC 100/100 Introduction to Engineering Design**

Sep 2018 – Apr 2021

University of British Columbia, Canada

- Facilitate and lead the design studios for seven different modules that are part of the first-year engineering design course at UBC

### **Adjunct Professor, UBC Vancouver Summer Program – Robotics/Roboethics**

May 2018 – Aug 2018

University of British Columbia, Canada

- Design, teach and manage a 3-credit roboethics course during the 4-week Vancouver Summer Program offered to 60 international students who speak English as their second language

### **AI Ethics and STEM Teacher**

Jan 2018 – Mar 2020

Brainboost, Vancouver, Canada

- Work on the STEM subjects with students from the age of 12-19 who have different learning abilities and have had difficulties in the regular school system. Teach an AI/robot ethics course to k-12

### Curriculum designer

Jun 2015- Apr 2017

First Year Chair Team, University of British Columbia

- Lead the design and development of all the content for a 3-week module on designing assistive technologies as part of a new first-year engineering design course

### Community-based experiential learning coordinator

May 2016- Apr 2017

Center for Community-Engaged Learning, University of British Columbia

- Create and coordinate experiential learning experience for 2<sup>nd</sup> and 3<sup>rd</sup> year civil, electrical and mechanical engineering courses

### Graduate teaching assistant

Jan 2014 – Apr 2016

Mechanical Engineering Department, University of British Columbia

- Prepare teaching material and deliver lab and tutorials for 2<sup>nd</sup> and 3<sup>rd</sup> year mechanical engineering students for a fluid mechanics lab and a design course

### Peer-assisted study session (PASS) leader and coordinator

Jan 2013 – Apr 2015

Center for Student Involvement and Careers, University of British Columbia

- Design and deliver PASS sessions for first-year engineering math and physics courses following the supplemental instruction model, coordinate and train a group of PASS leaders

## Invited talks and presentations

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### 2026

"When is a Human Actually 'Overseeing' an AI System?," Presenter at the University of Toronto AI Safety Meeting, Virtual. *February 2026*

"Examining Meaningful Control: Navigating Oversight and Agency with the Use of AI Systems," Presenter at CIFAR AI Safety Postdoctoral Fellows Meeting, Virtual. *January 2026*

### 2025

"Safety is a Systems Problem: Understanding and Evaluating AI in Context," Plenary speaker at ML Commons Endpoint, San Diego, U.S.A. *December 2025*

"Measuring What Matters: Connecting AI Ethics Evaluations to System Attributes, Hazards, and Harms," Guest Lecturer for CMU Graduate-level Course on Sociotechnical Evaluations for GenAI taught by Dr. Fernando Diaz and Dr. Hoda Heidari, Virtual. *November 2025*

"Measuring What Matters: Connecting AI Ethics Evaluations to System Attributes, Hazards, and Harms," Oral presentation at AIES 2025. Co-presented with Leah Davis, Madrid, Spain. *October 2025*

"From Silos to Systems: Perspectives on STPA for AI Sociotechnical Harms," Paper presentation at the MIT STAMP Workshop 2025. Co-presented with Maurus Enbergs and Íñigo de Troya, Virtual. *September 2025*

"Actionable Insights into Performing Impact Assessments," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) for Professionals. Montreal, Canada. *May 2025*

"What does safety look like in the age of AI and robotics," Guest Lecturer for Mechanical Engineering Graduate Seminar at University of Victoria, Victoria, Canada. *March 2025*

"Responsible AI research and development: role of impact assessments," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Research, Montreal, Canada. *March 2025*

"Actionable Insights into Performing Impact Assessments," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) for Professionals, Montreal, Canada. *February 2025*

"Safety Engineering for Responsible ML Development," Guest Lecturer for ECSE 681, McGill University, Montreal, Canada. *January 2025*

## **2024**

"Defining What Matters: A System Safety Approach to AI Measurement and Evaluation", Guest Lecturer for CMU Graduate-level Course on Evaluations for Machine Learning Systems taught by Dr. Fernando Diaz, Virtual. *November 2024*

"Sociotechnical harms of algorithmic systems: Taxonomy of harm reduction," Presenter and Panelist at Artificial Intelligence Series, Canada School of Public Service, Montreal, Canada. *October 2024*

"Responsible AI research and development: Role of Impact Assessments," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Industry, Montreal, Canada. *October 2024*

"Responsible AI Development: Assessments along the AI Lifecycle," Presenter and Workshop Facilitator at Climate Change AI Summer School, Montreal, Canada. *August 2024*

"Responsible AI research and development: Considerations for NLP Research," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Research, Montreal, Canada. *July 2024*

"Operationalizing Roboethics in Businesses", Guest Lecturer for UBC Vancouver Summer Program on Robotics and Roboethics, University of British Columbia, Vancouver, Canada. *July 2024*

"Responsible AI research and development: Considerations for Theoretical ML Research," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Research, Montreal, Canada. *April 2024*

"Self-Regulating Responsible AI Development: Assessments and mitigations along the AI Lifecycle," Expert speaker at Mila Quebec AI Institute AI Policy Compass, Ottawa, Canada. *March 2024*

"Responsible AI research and development: Considerations for NeuroAI," Presenter and Workshop Facilitator at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Research, Montreal, Canada. *January 2024*

"Impact assessment and Ethics-by-design frameworks," Expert speaker at Mila Quebec AI Institute TRAIL Industry, Montreal, Canada. *January 2024*

## **2023**

"Safety Engineering for Responsible ML Development," Expert Presenter at Sociotechnical Safety Workshop, Stanford, California. *November 2023*

"Tools to assess downstream impacts of research," Expert Speaker at Mila Quebec AI Institute TRAIL Industry, Montreal, Canada. *November 2023*

"Safety Engineering for Responsible ML Development," Guest Lecturer for ECSE 681, McGill University, Montreal,

Canada. *October 2023*

"Operationalizing Roboethics in Businesses", Guest Lecturer for UBC Vancouver Summer Program on Robotics and Roboethics, University of British Columbia, Vancouver, Canada. *July 2023*

"Operationalizing Safe and Responsible Development of AI Systems," Expert Speaker at Mila Quebec AI Institute Partner Symposium, Montreal, Canada. *May 2023*

"Ethics-by-design: Integrating Ethical Reasoning Throughout AI Lifecycle," Expert Speaker at Mila Quebec AI Institute Responsible AI Summer School, Montreal, Canada. *May 2023*

"Responsible AI research and development: Role of Impact Assessments," Expert Speaker at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Industry, Montreal, Canada. *March 2023*

"Introduction to Interpretability and Transparency," Guest Lecturer for ECSE 557, McGill University, Montreal, Canada. *February 2023*

## **2022**

"Responsible AI research and development: Impact Assessments and Impact Statements," Expert Speaker at Mila Quebec AI Institute Trustworthy and Responsible AI Learning (TRAIL) Research, Montreal, Canada. *2022*

"Ericsson AI Ethics Workshop", Expert Speaker at Mila Quebec AI Institute, Montreal, Canada. *2022*

"Operationalizing Roboethics in Businesses", Guest Lecturer for UBC Vancouver Summer Program on Robotics and Roboethics, University of British Columbia, Vancouver, Canada. *2022*

"Ethical Implications of AI, Frameworks for Evaluation," Guest Lecturer at MBA Data and Analytics track AI Commercialization course (BAIT 515), University of British Columbia, Vancouver, Canada, *2022*

## **2021**

"Ethical Implications of AI, Frameworks for Evaluation," Guest Lecturer at MBA Data and Analytics track AI Commercialization course (BAIT 515), University of British Columbia, Vancouver, Canada, *2021*

## **2019**

"How can we design ethical AI systems? Practitioner's Perspective," Industry Forum Speaker at International Symposium of Industrial Electronics (ISIE). Vancouver, Canada. *2019*

"Open Roboethics Institute AI Ethics Assessment Toolkit," Presenter and facilitator at Canada NextAI Workshop, Vector Research Institute, Toronto, Canada. *2019*

"How can we design ethical AI systems?" Keynote Speaker at Women in Data Science Conference, Vancouver, Canada. *2019*

"Can we trust AI?" and "Can privacy exist in the 21st century?" Debater at Women in Communication and Technology (BC Chapter) Women in Debate series, Vancouver, Canada. *2019*

## **2018**

"How can we design ethical AI and robotic systems?," Keynote Speaker at BC Privacy Professionals Keynote, Vancouver, Canada. *2018*

"How can we design ethical AI and robotic systems?," Keynote Speaker at IEEE WiE Conference Keynote, Vancouver, Canada. *2018*

"How can we design ethical AI and robotic systems?" Featured Speaker at ASQ Vancouver, Vancouver, Canada. *2018*

"How can we design ethical AI and robotic systems?" Featured Speaker at Norton Rose Fulbright AI Summit, Vancouver, Canada. 2018

"How can we design ethical AI and robotic systems?" Featured Speaker at FVCPAA (Fraser Valley Chartered Professional Accountant Association), Vancouver, Canada. 2018

"Ethical Implications of Autonomous Cars," Speaker at Peter Wall Scholar's Lunch Talk, Vancouver, Canada. 2018

## **2017**

"Playing in the Wilderness: Lessons from Creating Generation R," Speaker at TECH Vancouver, Canada. 2017

"Stories of Open Roboethics Institute," Speaker at iHub Gala, Vancouver, Canada. 2017

"Artificial Intelligence and Robotics – How Machine Autonomy is Changing the Way We Work?" Speaker at Human Factors Community of Practice, Vancouver, Canada. 2017

"Artificial Intelligence and Robotics – How Machine Autonomy is Changing the Way We Live?" Guest Lecturer at UBC Extended Learning – New Trends in Science, Vancouver, Canada. 2017

"Implications of Exponential Technology," Panelist at Singularity U Event, Vancouver, Canada. 2017

"What should a robot do? Robotics and Roboethics," Speaker at BC Humanist Association, Vancouver, Canada. 2017