



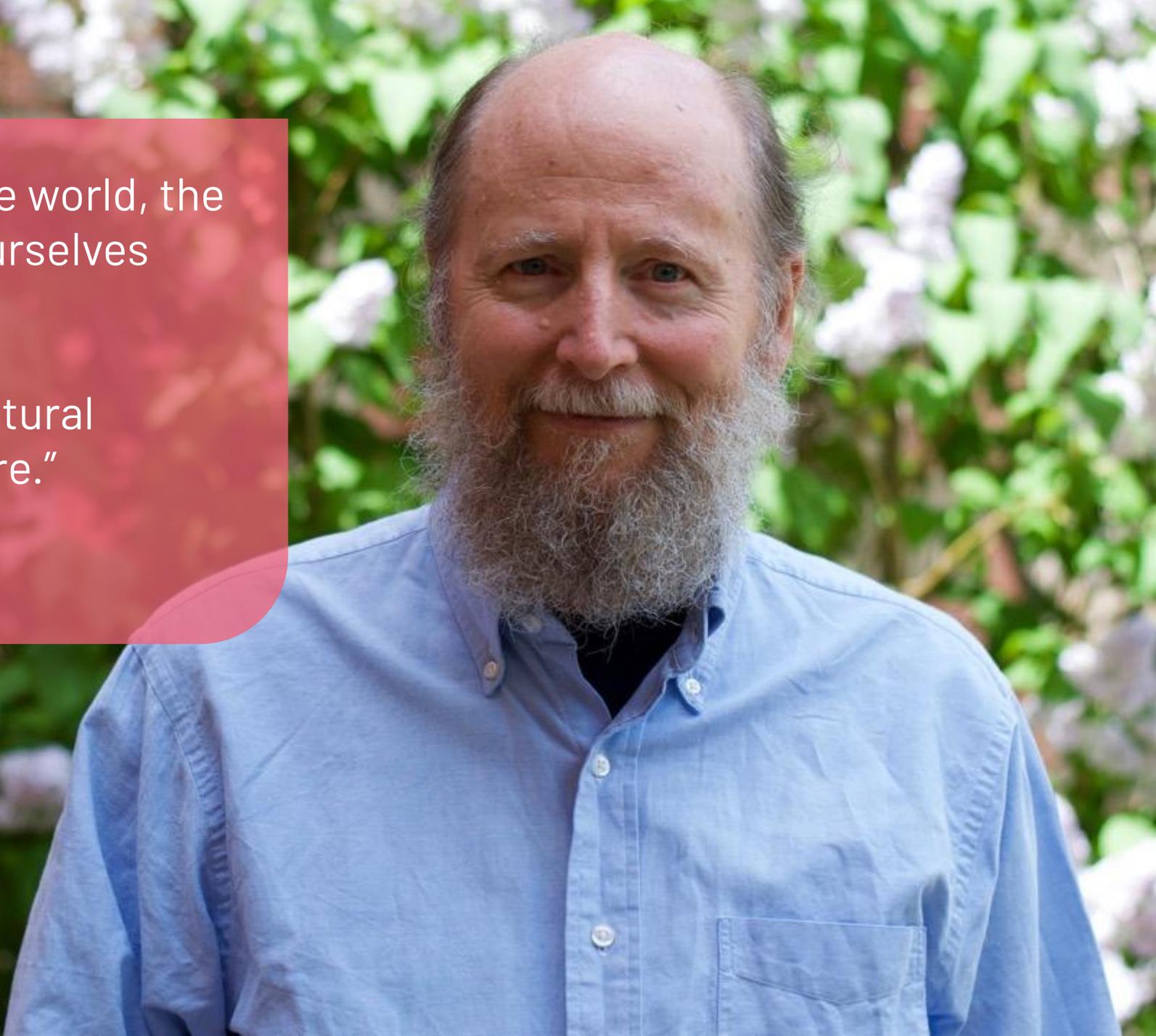
Alberta
Machine
Intelligence
Institute

“It’s the desire to understand the world, the desire to make tools to make ourselves better.

It’s really totally human – the natural continuation of what humans are.”

*Richard S. Sutton on machine intelligence
Chief Scientific Advisor & Professor of Computing Science at UAlberta*

Amii is supported by



Amii supports **leading-edge research in AI** and translates scientific advancement into **industry adoption**.



We've been the **catalyst** for putting Alberta's machine intelligence ecosystem on the map.

+120

Professors,
researchers & students

+23,000

Students globally in online
training courses

+200

Academic publications
in top venues

+5,000

Attendees at events &
educational sessions

+\$23M

Industry investment
in research

+\$334M

Venture financing raised
in Canada by Amii alumni

49

Formal partnerships
with industry

We're part of the world's first national AI strategy.

- Positions Canada as a **world-leading destination** for corporate investment in AI
- **\$125 million** across Canada to attract and retain academic talent
- Recognizes Canada's **centres of AI excellence**:
 - Amii (Edmonton)
 - Mila (Montréal)
 - The Vector Institute (Toronto)
- **80** Canada CIFAR AI Chairs named at Canadian institutions
- Establishes the **AI & Society Program** and the **National AI Program**



We leverage the world-leading expertise of our researchers to grow business capacity in AI.



Michael Bowling



Alona Fyshe



Randy Goebel



Russ Greiner



Robert Holte



Greg Kondrak



Rupam Mahmood



Martin Müller



Lili Mou



Patrick M. Pilarski



Dale Schuurmans



Nathan Sturtevant



Richard S. Sutton



Csaba Szepesvári



Adam White



Martha White



James Wright



Yutaka Yasui



Osmar Zaiane



Angel Chang



Kevin Leyton-Brown



Mark Schmidt



We have diverse
expertise in
machine
intelligence.

Algorithmic Game Theory

Algorithms & Theory

Bio-/Medical Informatics

Data Mining & Analysis

Deep Learning

Deep Reinforcement Learning

Human-Machine Interaction

Information Extraction & Visualization

Machine Learning

Medical Imaging

Natural Language Processing

Precision Medicine

Privacy

Reinforcement Learning

Robotics

Social Network Analysis



We're a **key partner**
in many notable
machine
intelligence
advancements.

Pioneer of reinforcement learning – **Richard Sutton**

First group to beat poker pros at Heads-up no-limit Texas hold'em – **Michael Bowling**

Solved the game of Checkers – **Jonathan Schaeffer**

Academic origins of AlphaGo and the Atari Game Project

Developed UCT algorithm at the heart of many advancements in games – **Csaba Szepesvári**

Thailand National Innovation Award for Tuberculosis Diagnosis – **Yutaka Yasui**

Competition-winning legal reasoning – **Randy Goebel**

Open-source community centred around adaptive prosthetic limbs – **Patrick Pilarski**

We help businesses explore **seven key questions** to build in-house AI capabilities.

What kinds of problems can machine learning solve?

How can I build our machine learning team?

Is our team on the right track?

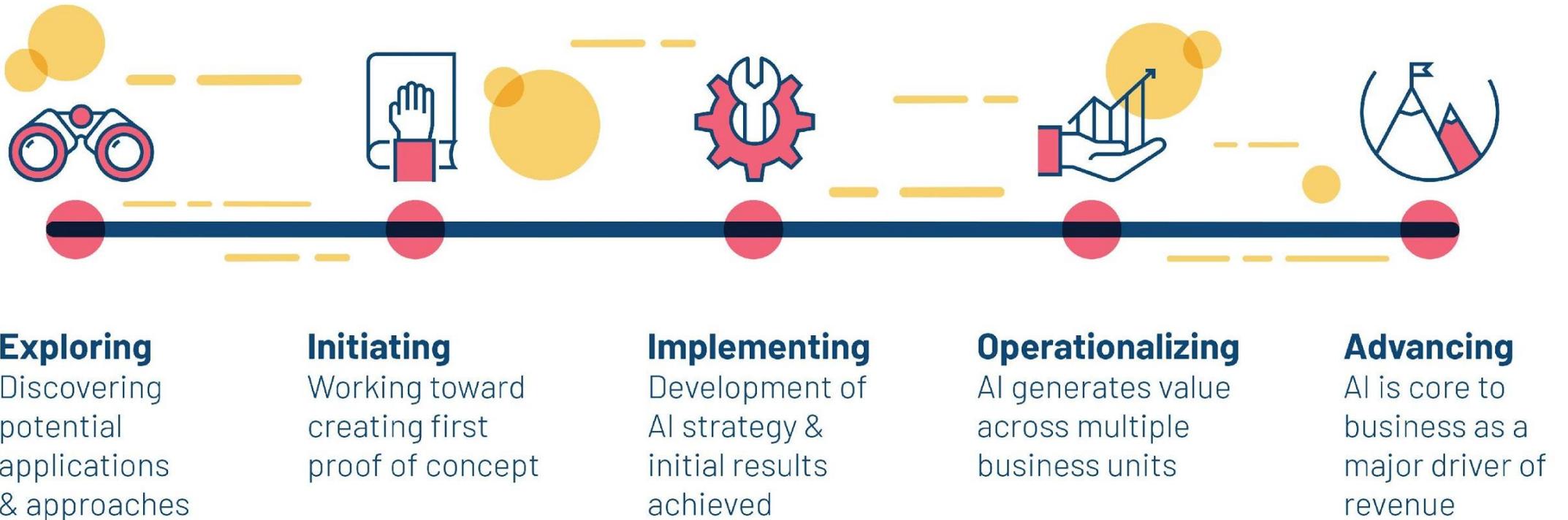
How can I improve the quality of our machine learning projects?

How can I access extra science help?

What is the best way to train my staff?

I think I have a really hard research problem - how can I solve it?

We enable companies to move along the machine learning adoption spectrum.



We offer
education &
advisory services
to **grow in-house**
AI capabilities in
business.



Advisement & Mentorship

Build your internal AI capabilities and de-risk your development process with ongoing advisement and mentorship services

Roadmapping | Scoping, Project and Strategic Advisement | Talent Acquisition

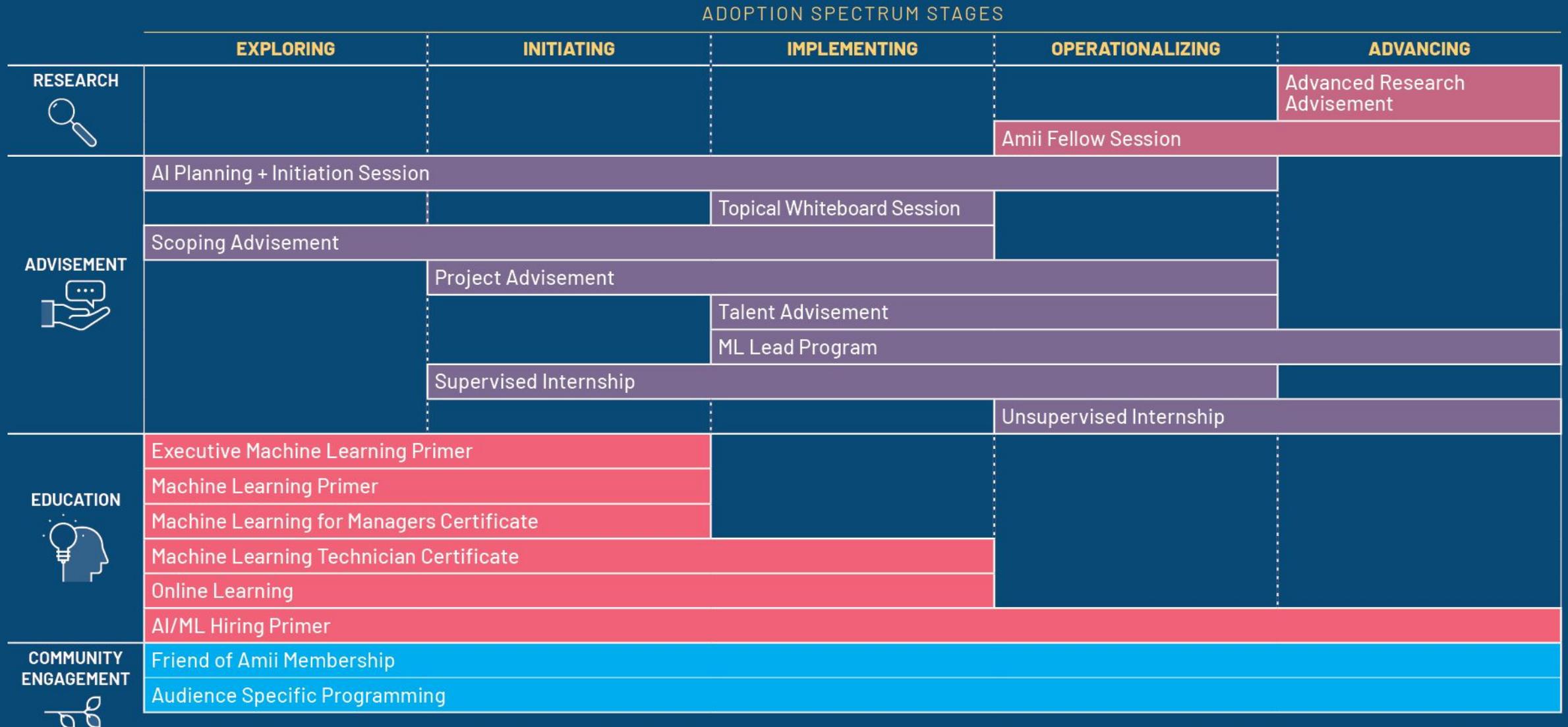


Education & Training

Grow your organizational knowledge, skills and abilities in AI and machine learning from executive leadership to project teams.

Introductory Primers | ML for Executives and Managers | Technical Certificate

We provide advice and training across the spectrum of machine intelligence adoption.



We're here to enhance and grow a community around machine intelligence.



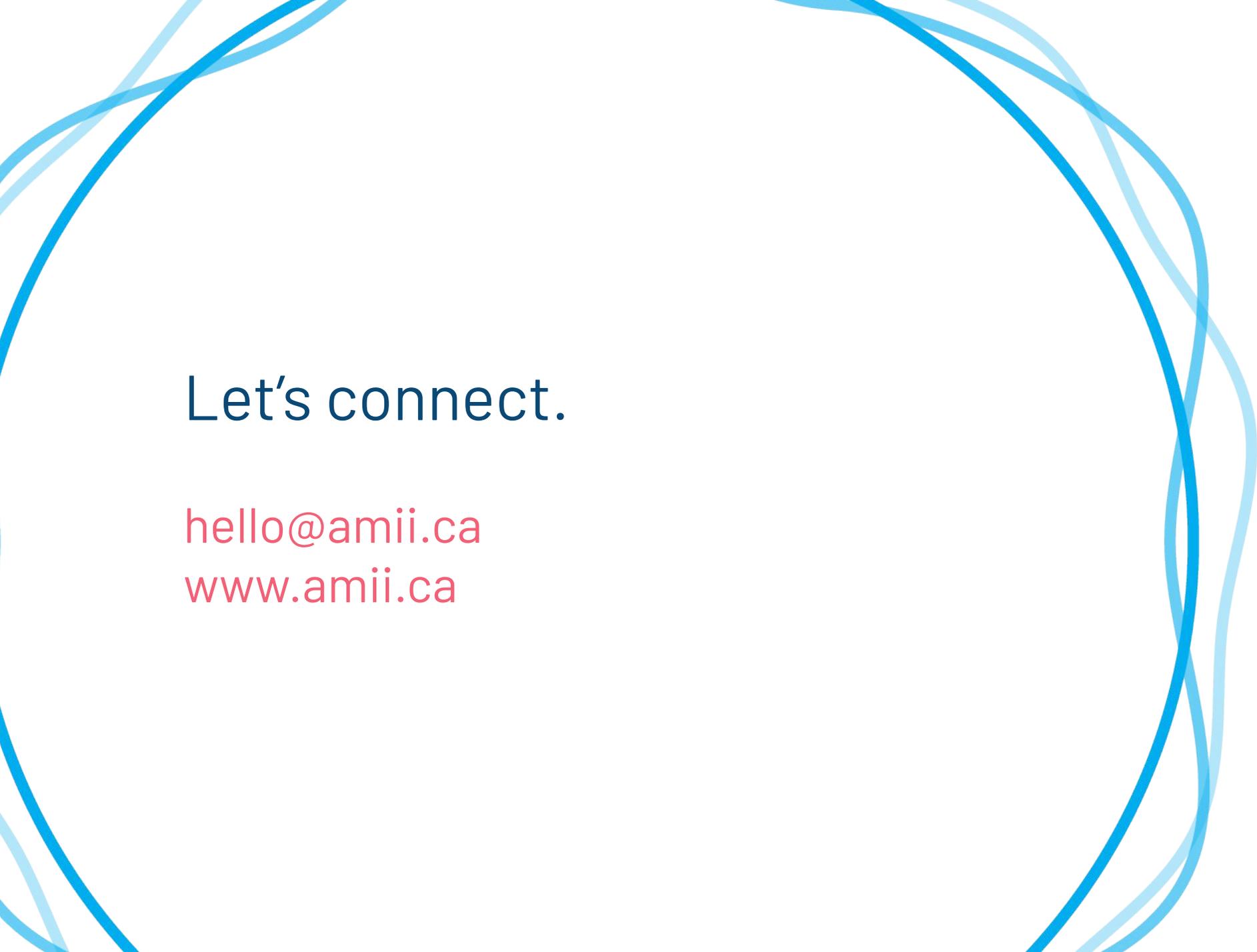
Meetups, seminars, socials and community-building initiatives

- Pan-Canadian AI Connections
- Amii's Monthly AI Meetup
- AlbertaWomen.ai
- Amii Days
- AI4Good



Publicly-available courses and educational opportunities

- ML Technician Program
- Coursera Specializations:
 - Algorithms in the Real World
 - Reinforcement Learning

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Let's connect.

hello@amii.ca

www.amii.ca

