



**UNIVERSITY
OF ALBERTA**

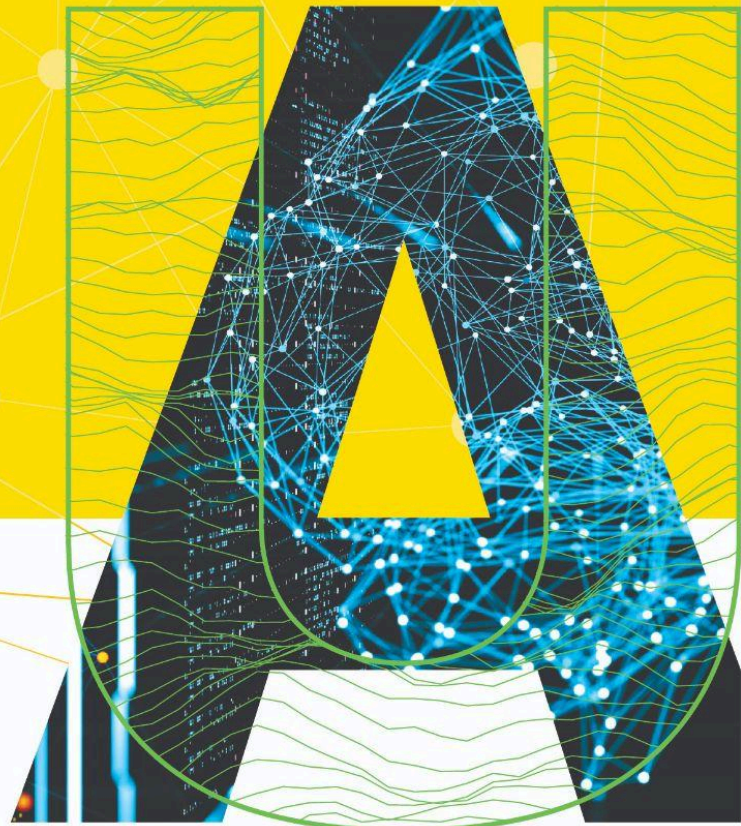
VP RESEARCH AND INNOVATION

Innovation Catalyst Grant

Entrepreneurial Fellowship

\$250,000 award to recent graduates of an advanced STEM degree to commercialize a technology with a hardware component.

<https://www.alberta.ca/innovation-catalyst-grant>



Cohort 1 Entrepreneurial Fellows (2023-2025)



Preetam Anbukarasu

Preetam Anbukarasu graduated with a PhD in Materials Engineering and completed a postdoctoral fellowship in Computing Science from the University of Alberta. He is the founder and CEO of [Synopsis Medical Technologies](#), developing advanced nanosensors and machine learning algorithms for cardiovascular health monitoring.



Thomas Jones

Thomas Jones graduated with a PhD in electrical and computer engineering from the University of Alberta and completed a NSERC Postdoctoral Fellowship at Purdue University. He is the founder and CEO of [Jones Microwave Inc.](#), developing innovative microelectronic solutions for advanced radar and communication applications in 5G/6G telecommunications, defense, satellite, and instrumentation markets.



Kyle Scheuer

Kyle Scheuer completed an MSc in Photonics and Plasmas at the University of Alberta. He is the founder and CEO of [Ultracoustics Technologies Ltd.](#), which designs and manufactures optical microphones with record-level sensitivity and bandwidth. The company is focused on identifying early warning signs of power equipment failure and refrigerant gas leaks across a variety of industries.

Cohort 2 Entrepreneurial Fellows (2024-2026)



Ghulam Muhammad Ali

Ghulam Muhammad Ali earned his PhD in Construction Engineering and Management from the University of Alberta. He is the founder and CEO of [Sensimage Technologies Ltd.](#), developing an AI-powered communication tool called HandCOMM to streamline heavy mobile crane operations and enhance safety and inclusivity across the construction industry.



Peter Atrazhev

Peter holds a MSc in Software Engineering and Intelligent Systems and a BSc in Electrical Engineering from the University of Alberta. He is a co-founder and CFO of [TREX-Ai](#), a company that is developing an energy management system for distributed energy resources (DERs), a DERMS, that is fully decentralized and automated.



Keith Cleland

Keith completed his MASc in chemical engineering at the University of Waterloo and his BSc at the University of Calgary. He is co-founder and CEO of [Aqua-Cell Energy](#) which is building salt water flow batteries to provide infrastructure for the clean energy transition. This sustainable battery alternative will unlock new markets for long duration energy storage.



Tyler Johnson

Tyler Johnson completed his MSc at the University of Alberta and PhD at the University of Cambridge (UK). Tyler is a co-founder and CTO of [Atmose Ltd.](#), a technology manufacturer in the field of air quality. Atmose is developing aerosol sensors and technology to reliably monitor air quality by harnessing discoveries on charging of aerosol particulate matter.



Rémy Samson

Rémy Samson holds an MSc in advanced manufacturing from the University of Alberta and an MSc in fluid dynamics and energy from Ecole Nationale Supérieure des Mines de Nancy. He is a co-founder and CEO of [Elementiam Materials and Manufacturing](#), an advanced manufacturing company capable of automatically generating robot programs fully based on real-world data.



Mohammad Rahim Sobhani

Mohammad Rahim Sobhani graduated with a PhD in electrical and electronics engineering from the University of Alberta. He is the CTO of [CliniSonix Inc.](#), developing novel handheld/wearable ultrasound systems for 2D/3D ultrasound imaging and bedside monitoring with quantum leap improvements in resolution, sensitivity, speed, and intelligence.



Contact: Claire Kay, Program Manager
claire.kay@ualberta.ca
Enterprise Square, 1-618D, 10230 Jasper Ave.
Edmonton, AB Canada T5J 4P6