IMPACT & INNOVATION

Summer 2025

We a proud to announce a new iteration of the ICICS Newsletter "Impact & Innovation". ICICS is working hard to further engage and stimulate cross departmental research and innovation. New ICICS members, Graduating HATCH ventures and a new crop of innovative entrepreneurs highlight this edition.

CONGRATULATIONS TO OUR GRADUATING HATCH VENTURES

Three teams graduated from the HATCH Venture Builder program last week. These groups have shown amazing resilience, growth, courage and perserverence throughout their tenure at ICICS.

Orca Water builds solutions for a world where water must be measured and monitored. Scalable, affordable, and easy-to-install for homes, buildings of all types, and hotels. (orcawater.life)

SnapCyte innovations have developed an AI-driven smartphone app that produces data for cell growth medical research faster and at a fraction of the cost. (snapcyte.com)

Wicked Rose develops and creates technical, Canadian-made activewear tailored specifically for women in martial arts, filling a much needed void in the appareal market. (wickedrose.com)

The graduating teams will still remain connected to the HATCH community as they continue to report key metrics to the talented team of HATCH Entrepreneurs in Residence (EIRs).

INTRODUCING OUR NEWEST HATCH VENTURES

We are pleased to announce four exciting, diverse and innovative ventures that have joined the HATCH program this past month:

Avenue Intelligence is a Canadian technology company helping cities, placemakers and retailers map foot traffic for a better understanding of how we use urban spaces.

TruMotion empowers those with limited to no mobility & their caregivers with accessible & automated solutions to meet daily movement goals.

Bayes Studio harnesses AI, satellite data, and a multi-spectral sensor system to provide unparalleled environmental monitoring solutions to help detect wildfires early.

Xpress Select optimizes pharmacy operations with a digital platform that streamlines over-the-counter (OTC) medication recommendations and minor ailment prescription services.

Syris employs advanced AI to help translate complex sensor data across a variety of industries into easy to understand reporting.

WELCOME NEW ICICS MEMBERS

ADRIEN DESJARDINS joins ICICS from The University College of London. He is jointly appointed in Electrical & Computer Engineering (ECE) and Mechanical Engineering (MECH).

KELSEY ALLEN is an Assistant Professor and Senior Research Scientist who brings an expertise in cognitive science, machine learning, and tool creation.

ALBERTO PADOAN is currently an Assistant Professor in ECE. His research focuses on the modeling, analysis, and control of complex dynamical systems, with an emphasis on biological applications, large-scale cyber-physical systems, and the interplay between data, learning, and control.

CYRUS NEARY is an Assistant Professor within ECE. He brings a wealth of experience in reinforcement learning, deep learning, sequential decision making (MDPs), formal methods, numerical optimization, nonlinear system identification, and scientific computing

SOURADEEP DUTTA Before joining UBC he was a postdoctoral researcher at the PRECISE center in University of Pennsylvania. His research interests are in artificial intelligence, cyber-physical systems, and formal methods.

AGNES D'ENTREMONT is a professor of teaching from the Department of Mechanical Engineering. Her research interests are in the field of Imaging & Computational Biology and include adaptive and predictive control, applications of wavelet analysis, biomedical applications.

NGUYEN PHONG HOANG joins us from Computer Science and is part of the Systopia Lab and Security and Privacy Group where they work on Systems and Security research. Phong's research interests are in the general areas of network security, online privacy, and Internet measurement.

EVAN SHELHAMER is an Assistant Professor and member of the Vector Institute and joins us from the Computer Science department. His research interests include machine learning and computer vision. He continues his work on AI for science and sustainability through remote sensing and satellites.