

Panel: How is Robotics Changing Agri-food

November 5, 9:00am - 10:00am



Dr. Brian Lynch, Research Scientist, Robotics & Automation, Vineland Research and Innovation Centre

Brian holds B.Eng, M.A.Sc, and Ph.D degrees in aerospace engineering and worked as a post-doctoral researcher and adjunct professor before joining Vineland Research and Innovation Centre (Vineland) in 2018 as a research scientist. His primary expertise is in the development of autonomous robotics technologies including computer vision, manipulators and control systems. As the lead on Vineland's greenhouse automation program, Brian oversees the robotic cucumber harvesting and automated irrigation of potted plants projects.

Robotics for Horticulture: Balancing Performance and Cost

Vineland Research and Innovation Centre is currently aiming to reduce labour costs in the horticulture industry by developing novel robotics and automation solutions. This presentation will give some insight into past and current projects, focusing primarily on robotic harvesting and packaging of cucumbers, as well as our vision for the future of the industry.



David Yee, Vice President Operations, Saskatchewan, PAMI

David is the VP of Saskatchewan Operations with PAMI (Prairie Agricultural Machinery Institute) an interprovincial government agency reporting to the Ministries of Agriculture in Saskatchewan and Manitoba. PAMI is an interdisciplinary technical agency supporting clients in agriculture, mining, oil and gas, power gen, defence, security and bio-security with research, design, fabrication, testing and validation and French-English documentation.

Digital On Farm and Post Farm Gate

The world is quickly hurtling towards a new reality in the farming economy. The buzzwords of Digital, Precision, AI, Autonomous is entering into the agricultural lexicon, and in some cases landing on the doorsteps of agricultural producers in the form of services and new devices. How do these new technologies fit within the typically conservative and traditional world of farming? How do we realize the benefits of these technologies? Do these technologies actually offer a consistent return on investment to the producers and society in general? Where should these new technologies be focusing to make a difference within the Agricultural sector? Finally, what is the paradigm we should be looking towards to create a more efficient, effective and sustainable farm economy?