



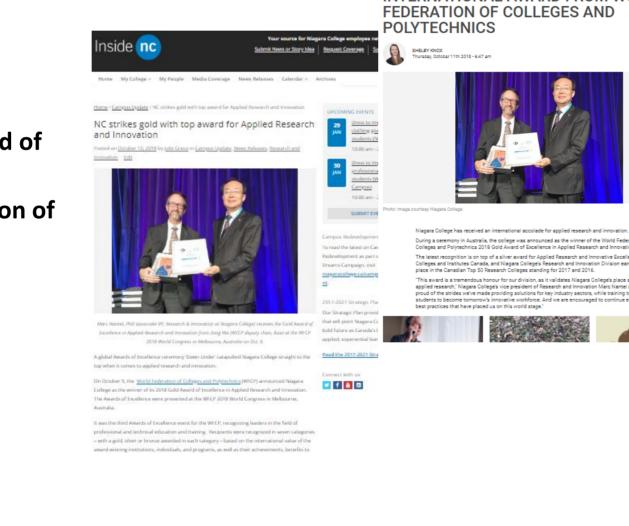
In The Media Oct – Dec 2018





NC strikes gold on world stage

Niagara College wins the Gold Award of **Excellence in Applied Research and** Innovation from the World Federation of **Colleges & Polytechnics.**

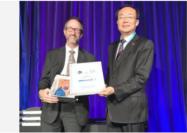




NEWS SHOWS CONTESTS AUDIO EVENTS FEATURES WE

Network

NIAGARA COLLEGE EARNS INTERNATIONAL AWARD FROM WORLD FEDERATION OF COLLEGES AND





During a ceremony in Australia, the college was announced as the winner of the World Federation of Colleges and Polytechnics 2018 Gold Award of Excellence in Applied Research and Innovation. The latest recognition is on top of a silver award for Applied Research and Innovative Excellence from Colleges and Institutes Canada, and Niagara College's Research and Innovation Division earning seventh place in the Canadian Top 50 Research Colleges standing for 2017 and 2016.

This award is a tremendous honour for our division, as it validates Niagara College's place as a leader in applied research," Niagara College's vice president of Research and Innovation Marc Nantel says. "We are proud of the strides we've made providing solutions for key industry sectors, while training today's ints to become tomorrow's innovative workforce. And we are encouraged to continue evolving the best practices that have placed us on this world stage."







By RENATO PEDRESCHI Staff Writer

COVERAGE TYPE Digital, print OCTOBER 2018 610cktb, InsideNC, Education News Canada, Niagara News



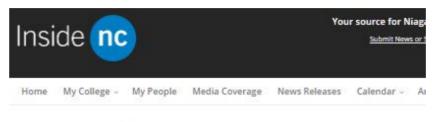
GOLDEN MONTH OF AWARDS FOR NIAGARA COLLEGE

Niagara College had a "Golden October," winning two international awards last month



R&I division releases inaugural e-Newsletter

Research & Innovation launches an e-Newsletter for stakeholders to provide information about the research projects being worked on by NC's students, staff and industry partners.



Home / Campus Update / Introducing ... Research & Innovation Division's inaugural e-newsletter

Introducing ... Research & Innovation Division's inaugural e-newsletter

Posted on October 22, 2018 by thyllivitriky in Campus Update, Research and Innovation - Edit

Research & Innovation	
SOLUTIONS FOR INDUSTRY	
- OCTOBER 2018 -	
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- Dr. Merc Nastel	

We invite you to read about all the amazing research projects our students, staff and industry partners are working on in our monthly e-newsletter. Every month we will focus on one particular centre; this month features highlights on the people and projects of the Walker Advanced Manufacturing Innovation Centre.

Please consider subscribing so you can view our monthly happenings: www.ncinnovation.ca/contact

To view our inaugural October issue, please click here: mailchi.mp/c144b7e67031/october2018

COVERAGE TYPE Digital OCTOBER 2018: InsideNC



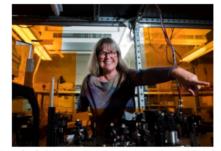
NC's link to Nobel physics recipient

Marc Nantel, PhD, Associate VP, R&I, pens an op-ed article about his and NC's association with Nobel winner Donna Strickland. It is printed in Niagara's three daily newspapers.



Nobel physics recipient helped light the way for Niagara College 191101 Nov 02, 2018 by Mare Nantel Special to The Welland Tribun

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The eyes of the world are now on Donna Strickland who has become the first woman in 55 years — and the third ever - to win the Nobel Prize in Physics, but Niagara residents may be interested to know why we have a special reason to cheer her on

The Swedish Royal Academy of Sciences announced Strickland and French physicist Gérard Mourou as v of half the physics Nobel for developing what is known as chirped pulse amplification, while the other half of the prize was awarded to U.S. researcher Arthur Ashkin who invented 'optical tweeters' as a way of using laser light to hold and manipulate living cells.

For us at Niagara College, which is home to one of the only undergraduate credentials in lasers and photonics in Canada, having a fellow Canadian "laser jock" - as Prof. Strickland calls herself - receive this prestigious honour is truly a reason to celebrate.

For me, as associate vice-president of Research and Innovation at the College, it's more personal. More than a decade of my own research career was shaped by the technique that Donna and her then-supervisor Mourou ented, chirped pulse amplification, which revolutionized the development and applications of ultrashort-pulse high-intensity lasers.

In fact, I worked in Gérard's Centre for Ultrafast Optical Science at the University of Michigan in the mid-90s, and I have had the pleasure of co-authoring 10 papers with him on the subject of these lasers and their uses, from laser development to x-ray sources and ion production to laser eye surgery. Small world!

I first met Donna in 1990, when she was a post-doc at the National Research Council labs in Ottawa where I did my PhD experimental work

After we both travelled to other countries and came back home to Canada, Donna and I collaborated on a few projects over the years, specifically on the curriculum development and teaching of optics and lasers, which is



ABOUT INNOVATION CENTRES V NEWSROOM V RESOURCES & LI

RESEARCH & INNOVATION

Nobel physics recipient helped light the way for Niagara College



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An op-ed article written by Niagara College's Marc Nantel, PhD, associate vice-president Research & Innovation, was posted in Niagara's dallies recently. It provides a local perspective of Nobel Prize in physics winner Donna Strickland.

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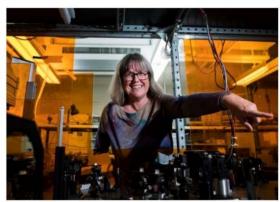
COVERAGE TYPE Digital, print **NOVEMBER 2018:** Welland Tribune, St. Catharines Standard, ncInnovation, InsideNC



Nobel physics recipient helped light the way for Niagara College

OPINION Nov 02, 2018 by Marc Nantel Special to The Welland Tribune





Nobel Prize winner Donna Strickland shows the media her lab after speaking about her prestig ious award in Waterloo Strickland is among three physicists who were awarded the prize for aroundbreaking inventions in the field of laser physics and also is one of only three women ever to win the Nobel Prize for physics. - Nathan Denette , The Canadian Press

The eves of the world are now on Donna Strickland who has become the first woman in 55 years — and the third ever - to win the Nobel Prize in Physics, but Niagara residents may be interested to know why we have a special reason to cheer her on.

The Swedish Royal Academy of Sciences announced Strickland and French physicist Gérard Mourou as winners



nc Agriculture & Environmental Technologies Innovation Centre

R&I's precision ag research gets boost

Minister of Science Kirsty Duncan announces NSERC funding for NC's smart farming tech and R&I's RoamIO Jumbo land rover is demonstrated at the NOTL campus media event.



COVERAGE TYPE Digital, Print NOVEMBER 2018: Niagara This Week, St. Catharines Standard, Newswire, NSERC, InsideNC, Education Canada, Niagara News

save ca homefinder.ca wheels.ca



Nat'l science database adds NC researchers

Video interviews of four Research & **Innovation researchers showcasing** their work was uploaded to the national science research database: 5minofscience.com.



INNOVATION CENTRES V NEWSROOM V RESOURCES ABOUT

AGRICULTURE & ENVIRONMENTAL TECHNOLOGIES INNOVATION CENTRE, RESEARCH & INNOVATION Science minister Kirsty Duncan talks women in science with R&I



© August 16, 2018

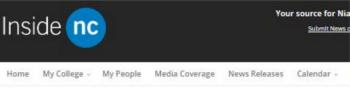
From left: Niagara Centre MP Vance Badawey; federal Minister of Science and Sport Kirsty Duncan; VP Corporate Services Pam Skinner; St. Catharines MP Chris Bittle and Arden Metcalfe-Roach, Computer Programmer Research Associate with Agriculture & Environmental Technologies Innovation Centre.

Niagara College's Research & Innovation division was in the spotlight today when federal Minister of Science and Sport Kirsty Duncan visited the Niagara-on-the-Lake Campus where she talked to the R&I team. Duncan also attended the Greater Niagara Chamber of Commerce's Niagara Business Leadership Series event where she highlighted the work being done by Dr. Mike Duncan, the NSERC Industrial Research Chair for Precision Agriculture & Environmental Technologies. Read more on InsideNC

During her visit to the NOTL Campus on Aug. 16, science minister Kirsty Duncan gets a sneak peek at the Strategic Investment Fund (SIF) building underway, which will include agri-business research space. Duncan (centre) is pictured with associate VP Research & Innovation Marc Nantel (Ieft), VP Corporate Services Pam Skinner (second from right), and St. Catharines MP Chris Bittle.

NC research was in the spotlight on August 16, when ederal minister of science and sport Kirsty Duncan visited the College's Niagara-on-the-Lake Campus.

The visit drew MPs Vance Badawey (Niagara Centre) and Chris Bittle (St. Catharines). They joined NC's VP Corporate Services Pam Skinner, VP Academic and Learner Services Steve Hudson, associate VP of Research & Innovation Marc Nantel, and Student Administrative Council president Ryan Huckla, along with several members of the College's research team.



Home / Campus Update / Science minister Kirsty Duncan Visits NOTL Campus, leads roundtable with NC researchers

Science minister Kirsty Duncan visits NOTL Campus, leads roundtable with NC researchers

Posted on August 17, 2018 by Julie Green in Campus Update, Visits/tours/political/delegations - Edit



Duncan was provided with an overview of research and innovation at the College and had an opportunity to view progress on the Strategic Investment Fund (SIF) building underway, which will include agri-business research space, before leading a roundtable discussion which focused on research and innovation at the College.



SONAMI makes national headlines

The NC-led Southern Ontario Network for Advanced Manufacturing Innovation (SONAMI) consortium is featured in an article in Canada's Globe and Mail newspaper.



CONTENT FROM: RESEARCH AND INNOVATION PUBLISHED NOVEMBER 24, 2018 UPDATED NOVEMBER 26, 2018



C's Research & Innovation di ate and now Hamill lead engi SUPPLIED

Pressure sores are a major cause of concern, especially for people experiencing impaired sensation and prolonged immobility. When OKE Polymer Systems, a Canadian manufacturer specializing in therapeutic support surfaces and medical, occupational and recreational applications. decided to pursue the development of a product that offers people the ability to sit longer without discomfort, the company sought a partner with specific



Home / Campus Update / Market Ready

Market Ready



olleve (NC) works closely with industry partners, like Hamill Machine, where owner and CEO Bob Benner (right credits the partnership for his company's ability to expand into new markets, while doubling his machine shop and workforce. Pictured with a recent project success, the microgreens harvester dryer, are Lucas Howe, mechanical engineering student and research assistant with NC's Research & Innovation division (left) and James Dahl, NC mechanical engineering graduate and now Hamill lead engineer.

A write-up appeared in the November 24 issue of the Globe and Mail which discussed the benefits of the Southern Ontario Network for Advanced Manufacturing Innovation (SONAMI), a Niagara College Canada-led consortium funded by FedDev Ontario to support the R&D needs of SMEs, like Hamill Machine Company & Blake Medical. View it here or view content below.

Pressure sores are a major cause of concern, especially for people experiencing impaired sensation and prolonged immobility. When OKE Polymer Systems, a Canadian manufacturer specializing in therapeutic supp surfaces and medical, occupational and recreational applications, decided to pursue the development of a product that offers people the ability to sit longer without discomfort, the company sought a partner with specific applied research capabilities: Niagara College,

region," says Marc Nantel, associate vice-president, research and innovation, Niagara College.

"By doing applied research, we help companies create new products and services, which then can generate new jobs and wealth."

In order to serve companies like OKE Polymer Systems even better. Dr. Nantel was instrumental in establishing the Southern Ontario Network for Advanced Manufacturing Innovation (SONAMI), which includes facilities at

COVERAGE TYPE Digital, print NOVEMBER 2018: Globe and Mail, InsideNC



"Colleges and institutes have the equipment and expertise that is reflective of the needs of industry in their

nc Agriculture & Environmental Technologies Innovation Centre

NC lauded as benefit to living in Niagara

In a *Toronto Life* magazine story touting the benefits of the Niagara Region, it specifically mentions NC's Agriculture & Environmental Technologies Innovation Centre.

COVERAGE TYPE Digital, Print NOVEMBER 2018: Toronto Life Thinking of leaving Toronto? The Niagara region is super-hot right now

NIAGARA Niagara Region



In Toronto, it's impossible to get through a dinner party without a rousing rant about the insane traffic on the DVP or the complete chaos of the rental market. Many longtime citizens are considering an exodus—opting for the fairer grounds of surrounding, slightly more suburban cities. <u>The Niagara Region</u> is particularly appealing these days, and not just for its wine tours. The place is perfect for anyone looking to set up a business, get into agriculture, go back to school or raise a family. The area is growing like crazy, and there are actually even monetary incentives in place for anyone who wants to develop, invest or start a business. Here, a few reasons you may want to make the move.

Jobs are everywhere

Over the past 3 years, 8,000 new jobs were created in Niagara in high-growth sectors like health care, construction, manufacturing, professional services and hospitality. The tourism industry is thriving, with 12 million people visiting annually, bringing in nearly \$2 billion in revenue. The region also has over \$100 billion in texture to be derived as the sectors of the sectors

nc Agriculture & Environmental Technologies **Innovation Centre**

NC's horticulture research highlighted

International horticulture website Floral Daily includes a story about applied research trials through R&I in oak seedlings using new propagation tray RootSmart.

COVERAGE TYPE Digital DECEMBER 2018: InsideNC, Floral Daily







VISSER



Global Floricultural News



CAN (ON): Talking healthy roots with

Tree propagation experts from A.M.A. and Vineland Research and Innovation Centre visited Niagara College and Guelph University in November to meet the next generation of top horticulture talent and

The New

Big GYP:

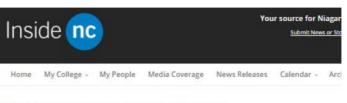
More than 100 horticulture students from Niagara College's School of Environment and Horticulture Programs and the University of Guelph's Department of Plant Agriculture had the opportunity to learn about RootSmart, an innovative propagation tray developed by Vineland and commercialized by A.M.A.

Students and researchers at both institutions have been conducting trials comparing trees grown in the RootSmart tray with trees grown in other propagation trays. At Niagara College, second-year Horticulture students are using RootSmart to determine the optimal propagation method for oak seedlings.



We are testing three watering methods and two application rates of a controlled-release fertilizer product," says Mary Jane Clark, Professo of Horticulture at Niagara College. "The goal is to grow the oak trees until they are ready to be transplanted back into the Chautauqua munity in Niagara-on-the-Lake as an urban reforestation project.

The results of the students' RootSmart trials continue to be overwhelmingly positive



students



Read the full story here

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	Jessica Torok and Elyse H

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About InsideNC

InsideNC is your source for Niagar College employee news announcements and events **Ouestions?** Contact: insidenc@niagaracollege.ca.1

Home / Media Coverage / Floral Daily: Talking healthy roots with horticulture student

Floral Daily: Talking healthy roots with horticulture

Posted on December 7, 2018 by akorchok in Media Coverage, NC Greenhouse, School of Environme



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	Disclaimer	Facilities Management Services
	Media Requests	Human Resources





Lyndon Ashton, centre manager, Canadian Food & Wine Institute Innovation Centre, presents to Senate Committee on Agriculture and Forestry and outlines work that NC does to assist SMEs while providing applied research opportunities to students.









Parliamentary committee hears from NC Centre Manager on valueadded food sector





Agriculture & Forestry

In particular, the federal committee sought input on the work that colleges do to assist business while providing applied research opportunities to students. The committee is currently examining how the valueadded food sector can be more competitive in global markets.

During the Nov. 29 presentation, Ashton outlined how SMEs engage with the CFWI Innovation Centre by partnering on projects in a number of key areas that allow them to scale up, innovate, grow, etc.

launched in 2017.

Broya is a company focused on holistic living and eating nourishing food. They partnered with the college to refine their products, including their nutritious bone broth product, as well as to develop new types of products, including meat bites that are now on grocery shelves and online sales across Ontario.

Miname came to the college as an importer of ethnic malt beverages facing challenges with finding consistent stable ingredients. After their partnership with the CFWI Innovation Centre, they now have made-in-Canada

Innovation



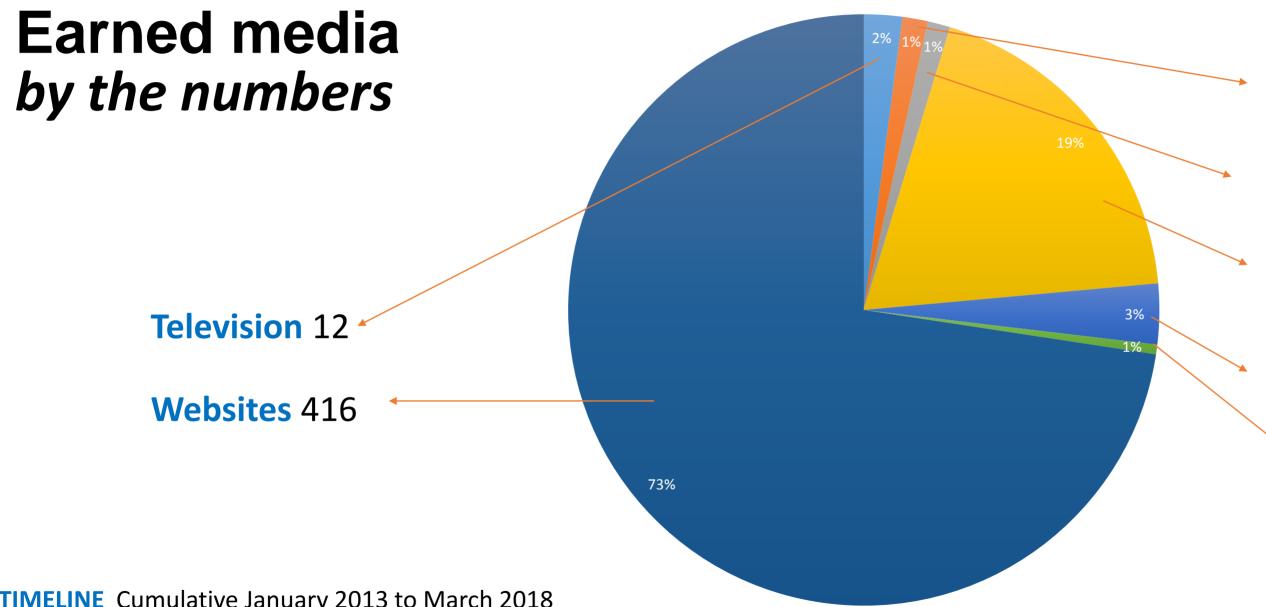
CANADIAN FOOD & WINE INSTITUTE INNOVATION CENTRE

Parliamentary committee hears from NC Centre Manager on value-added food sector

Lyndon Ashton, Centre Manager for the Canadian Food & Wine Institute (CFWI) Innovation Centre, was recently asked to visit Ottawa to make a presentation regarding the food sector to the Senate Committee on

For example, he spoke of a project with Reinhart Foods, to develop a light hard apple cider. In partnership with the college's Teaching Winery, and using the expertise of faculty and student researchers, Reinhart's Red. Apple Light Cider was launched, and has been steadily increasing in sales month over month since it was





TIMELINE Cumulative January 2013 to March 2018

Radio 8

Reports 7

Newspapers 108

Trade Publications 19

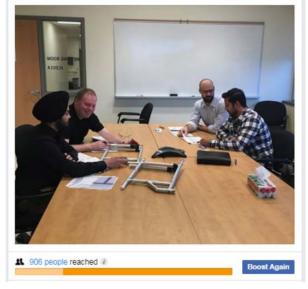
Other print 3





Research & Innovation Published by @ Myles Fisher 121 - January 29 - @ Research & Innovation

BISEP has sought the help of the Walker Advanced Manufacturing Innovation Centre to improve a prototype it created used to address ambulation training issues. The accessory prototype designed by BISEP bridges the gap between wheelchairs and walkers making the transition to walking safer and more efficient. The team at the Walker Advanced Manufacturing Innovation Centre will comprehensively assess and improve engineering design, materials, and manufacturability, to create an easy-touse and improved prototype for commercialization. Learn more about this project at: https://goo.gl/PCoh7e #bisep #niagarainnovation #sonami #ncinnovation



Research & Innovation

1 751 people reached

Research & Innovation Published by research@niagaracollege.ca [?] - February 14 - Welland - @

Niagara College Canada students took their applied research to Parliament Hill this week with an amazing showing of #ncinnovation projects in advanced manufacturing, digital media solutions and food and beverage innovation. Thank you MPs from Niagara and beyond who took time to discover more about the hands-on learning and lifelong impact the college system has made in their young lives. Proud #myNCstory times.



SOCIAL MEDIA: Facebook

TIMELINE As of March 2018

January 7,520 people reached

February 2,717 reached

Boost Post



March 7,881 people reached



1,087 followers

Research&Innovation @NCResearchInnov · Jan 26 LAST CHANCE to register for our upcoming Breakfast & Learn Workshop - Plan the Work/Work the Plan: Reducing Costs by Leveraging 3D Scanning Technology in Industrial Applications on Thursday, February 1. Click the link for more info and to register: goo.gl/27ZGWB



January 37,800 impressions

February 99,000 impressions

Research&Innovation @NCResearchInnov · Jan 31 Researd &Innov Informative breakout session with @SoilOptix and Haggerty Creek discussing the benefits of collecting detailed soil radiation data. #PAG18



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SOCIAL MEDIA: Twitter

TIMELINE As of March 2018

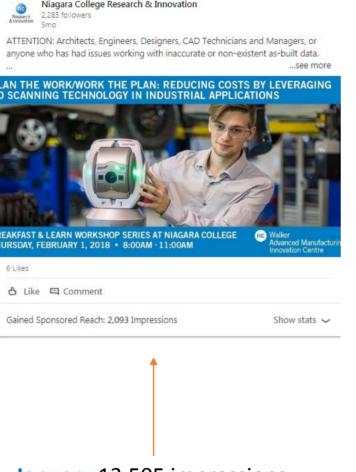


Research&Innovation @NCResearchInnov · Mar 8

March 177,000 impressions

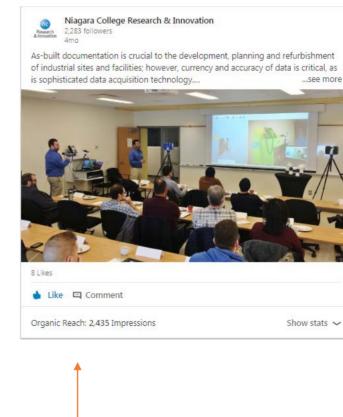






Niagara College Research & Innovation

January 13,505 impressions



SOCIAL MEDIA: LinkedIn

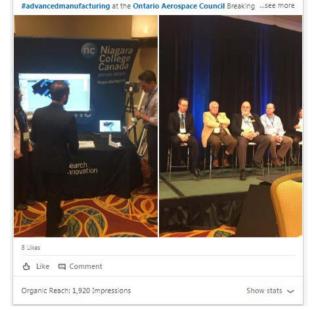
TIMELINE As of March 2018

February 32,278 impressions



Niagara conce Reserct Messation Smo Niagara College Research & Innovation

Experts from our Walker Advanced Manufacturing Innovation Centre, including Jim Lambert, Centre Manager, showed off our #ncinnovation in



March 10,709 impressions







For more information visit: ncinnovation.ca

SOLUTIONS FOR INDUSTRY

Providing innovation solutions to business and key industry sectors through applied research in partnership with Niagara College faculty and students.

