



In The Media July – Sept 2018





R&I brew still making headlines

MADD Virgin Craft Brewed Lager (Hill Street Beverage) wins Bronze in 2018 U.S. Open Beer Championship for best nonalcoholic brew.



COVERAGE TYPE Digital JULY 2018 Canadian Beer News

nc Canadian Food & Wine Institute Innovation Centre

Funding for agri-food research equipment

NC's CFWI Innovation Centre receives a \$1.6 million provincialfederal grant for beverage research equipment for new Marotta **Innovation Complex.**

COVERAGE TYPE Digital JULY 2018: Erie Media, InsideNC



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Funding to provide College with state-of-the art agri-food research equipment



Victoria Brosseau (left), CEWI Innovation Centre Lab Assistant and Rehecca Griffin, Enod Scientist conduct experiments at Niagara College's CFWI Innovation Centre on the Niagara-on-the-Lake Campus Niagara College photo

Niagara College has received over \$1.6 million to help fund cutting-edge beverage research equipment for the College's Canadian Food and Wine Institute Innovation Centre (CFWI IC), which will be housed within the College's new Marotta Family Innovation Complex.

This infrastructure will directly support applied research and world-class training specifically for the wine, beer, spirits and non-alcoholic beverage sectors in Niagara

Through the CFWI IC's Beverage Innovation Excellence research program, the new tech will equip three distinct research labs within the new 49,000 square-foot complex, which is set to open later this year:

- A Beverage Processing Lab will allow research staff and students to prototype and test new beverages with business clients. The lab will include industry-standard pasteurization, canning, bottling and other equipment that will allow researchers and NC's industry partners to test the market for products, determine viability, and prove a market exists before the company scales up production.
- A Beverage Analysis Cluster Lab will allow for detailed analysis of beer, wine, spirits, cider, and juices for chemical contents and sensory attributes. Researchers will be able to dive deep into the molecular makeup of beverages to determine alcohol content, oils and acid content, gas content, viscosity and other attributes.
- Industry incubator space will provide equipment for food and beverage companies that need to further their product development. Businesses will be able to temporarily locate to the Complex to carry out collaborative research projects with our staff and students, with immediate hands-on access to equipment and resources to help expedite success.

CANADIAN FOOD & WINE INSTITUTE INNOVATION CENTRE, RESEARCH & INNOVATION

Funding for state-of-the-art agri-food and beverage research





Niagara College has received more than \$1.6 million in federal and provincial grants to help fund cutting-edge beverage research equipment for the College's Canadian Food and Wine Institute Innovation Centre (CFWI IC), which will be housed within the College's new Marotta Family Innovation Complex. The Canadian Foundation for Innovation's (CFI) College-Industry Fund (CIIF) will supply \$816,000 and another \$816,000 will be provided by the Ontario Research Fund. The Marotta Innovation Complex will directly support applied research and world-class training specifically for the wine, beer, spirits and non-alcoholic beverage sectors in Niagara

Through the CPWI IC's Beverage Innovation Excellence research program, the new tech will equip three distinct research labs within the new 49,000-square-foot complex, which is set to open later this year.

'Over the past several years, Niagara College has proven itself to be a powerhouse for applied research for Canada's food and beverage industries," said Marc Nantel, NC's associate vice-president of Research & innovation. "This equipment will allow us to build upon that reputation and continue to conduct world-cla research that will make significant contributions to this industry, right here in Niagara and across the country."

The projects build on strong demand from regional beverage manufacturers and more than six years of recent capacity-building for food and beverage research and development at the CFWHC. Since 2012, the CFWI IC has conducted more than 65 applied research projects, the products of several of which are now available on the market nationally and internationally. The staff and faculty who conduct these projects with students and industry partners are proven experts in food and beverage engineering, science, product. development, and sensory analysis; food safety and regulatory affairs; nutrition; microbial and chemical analysis; and more.

- Indone Karchak Read more at IncideN/

ABOUT INNOVATION CENTRES V NEWSROOM V RESOURCES & L





Home / Campus Update / Federal and provincial funding to provide College with state-of-the art agri-food research equipment

Federal and provincial funding to provide College with state-of-the art agri-food research equipment

Posted on July 25, 2018 by akorchok in Campus Update, News Releases, Research and Innovation - Edit



Victoria Brosseau (left), CFWI Innovation Centre Lab Assistant and Rebecca Griffin, Food Scientist, conduct experiment Niagara College's CFWI Innovation Centre at the Niagara-on-the-Lake Campus

Niagara College has received over \$1.6 million to help fund cutting-edge beverage research equipment for the College's Canadian Food and Wine Institute Innovation Centre (CFWI IC), which will be housed within the College's new Marotta Family Innovation Complex. This infrastructure will directly support applied research and world-class

Ag magazine interviews NC's Dr. Mike Duncan

Dr. Mike Duncan, NSERC Industrial Research Chair for Colleges in Precision Agriculture and Environmental Studies, is interviewed about farm data and precision agriculture in *Country Guide* magazine.

COVERAGE TYPE Digital, Print AUGUST 2018: Country Guide

CountryGuide					AgEx	opert Acc	counting		
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When it comes to data in the agricultural sector, privacy and access issues are potentially at odds. Photo: effbergen/Stock/Getty images

Long before the social media scandal that rocked Facebook and bankrupted Cambridge Analytica, Kelly Bronson was looking into how data is collected, who uses it and how they are benefitting from it in Canada's agri-food sector.

"For a couple of years, I've been doing qualitative research into the social scientific aspect of data collection in agriculture," explains Bronson, assistant professor at the University of Ottawa.

In a piece she wrote with assistant professor Irena Knezevic for Policy Options magazine, Bronson said, "The data collected by many digitally equipped tractors — data that farmers are helping to collect. In the first place — are accessible to the farmers only after being processed by corporations, ostensibly to protect the farmers' privacy.

"So privacy and access issues are potentially at odds in the agri-food sector, just as they are in, for example, <u>so much of the social media universe.</u>"

Minister cites merit of NC Ag research

During a Chamber of Commerce event, Science Minister Kirsty Duncan references the precision agriculture work of NC's Dr. Mike Duncan when speaking of the importance of investing in research.



Investment in research can pay hefty dividends: Duncan

And that means higher wages and more jobs, science and sport minister says

 NEWS
 Aug 16, 2018
 by <u>Richard Hutton</u>
 Niagara This Week - St. Catharines

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Federal Minister of Science and Sport Kirsty Duncen speaks during the fireside chat portion of a Greater Niagara Chember of Commerce event at the Holiday Inn and Suites Parkway Conference Centre recently. With Duncan is Meridian Credit Union senior vice-resident and chief member experience officer Wade Stayzer. – Richard Hutton/Metroland

Scientists are not unlike businesspeople, Kirsty Duncan says



Investment in research can pay hefty dividend: Duncan

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And that means higher wages and more jobs, science and sport minister says

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HENS Aug 17, 2018 by Richard Hutton 😆 Metroland



Federal Microsov et Sciences and Sport Kitzp Deuton speake during the firebide chet parties of a Firebater Vilogana Damber of Euromence event at the Heidday Inn & Suitze Parkiway Earltware Contro on Thursday. It was the second Nilogana step of the day for Buences, who exactive instead the Vinoland Research Contro in Lincoln With Duncan is Meridian Drabit Union senior vice-president Wald Stoppar. Richard Hatten, Materialaid

Scientists are not unlike business people, Kirsty Duncan says.

"We have a lot in common with entrepreneurs like you," Canada's science and sport minister told an audience of over 100 people at the Holiday Inn & Suites Parkway Conference Centre in St. Catharines.

"We explore, we test and chase results."

Duncan was speaking to a group of business people and representatives of Brock University and Niagara College on Thursday during a Niagara Business Leadership Series event organized by the Greater Niagara Chamber of Commerce. Duncan, who comes from a life as a researcher before she entered politics, touted the impact government investments in research can have on the economy.

She was an associate professor of health studies at the University of Toronto and the former research director for the AIC Institute of Corporate Citizenship at the Rotman School of Management, who has lectured for organizations such as the National Boographic Society.

But like a savvy business person, she said investments in research can pay a nice dividend.

"It has been estimated that a one-time investment of \$1 into fundamental research will result in a 30 ner cent

nc Canadian Food & Wine Institute Innovation Centre

Gov't roundtable with **NC** women researchers

Science Minister Kirsty Duncan visited the NOTL campus for a discussion about research and innovation and women in science with members of the R&I team.



INNOVATION CENTRES V NEWSROOM V RESOURCES ABOUT

Science minister Kirsty Duncan talks women in science with R&I

AGRICULTURE & ENVIRONMENTAL TECHNOLOGIES INNOVATION CENTRE, RESEARCH & INNOVATION



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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

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 Rvan Huckla, along with several members of the College's research team.

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.



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



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.

NC in story about agri-food industry

R&I's Agriculture & Environmental Technologies Innovation Centre is highlighted in a story about the economic impact of the agri-business on Niagara's economy.

COVERAGE TYPE Digital AUGUST 2018: <u>Niagara Independent</u>

nday January 5, 2019

The Niagara Independent

PROVINCIAL NATIONAL BUSINESS SPORTS OPINION

Agri-business: Niagara's Little Known Growing Economy





While many people in Niagana are penerally aware of the fact that the region produces guality full like grapes and gendless as well as being home to several greenhouses, most have no clue as to the massive economic impact the agri-builtest has on Niagana's economy.

In fact, Niagara produces 30 per cent of the country's grapes and wine. But the agri-business here in Niagara extends for beyond the violaties and the local fault stands. The region has always offered some of North America's best growing conditions, but today, with the help of advances in technology, research and new approaches, the face of families it charging its a more productive way.

Faul Speck, Freedent of Kenry of Felham Family Estate Winery may that with the decline in large manufacturing in Stagara, the wine industry has really helped to stabilize the region's economy. "When we dist started, 20 years ago, there were eight whence in Niagara, new i believe there are over 100," said Speck. If a not just about the wineries and wineyands said Speck; "There is a score output on the local economy from wine industry spin offs like holds, pretarement and shopping."

Speck noted that the wine industry jobs are well paying ones. "We hire wine makers, accountants, marketers and other positions that are professional, good paying positions."

Magers is home to over 115,000 acres of farmland that benefits from the Magers Exceptions's unique impact on the soil and the modifying officient breazes of Lake Datatics and Lake Erie. In addition, Magers has one of the highest concentrations of greenhouses in the country, offering 12 million square fast of space to keep things graving across if the season.

Theole is part to higher value ergs and technology and submation derive higher yields per ane, between 2011 and 2016 Magara's farms superimond a 15.5% increase in gross farm resolute and menage not farm remains increased by 47%. In that same time period, provi farm resolved value per are increased by 10%.

Although numbers of forms and formiand area has decreased, the economic value of the agriculture sector has increased. In 2014, Nagara was home to 1,827 forms generating \$553.1 million in total group for receipt, 35.1 billion in group output ingoat, 51.4 billion in group domentic product ingoat, and 35,957 jobs.

Greenstone Structural Solutions is a leading company in green development and recently set up shop in Port Eric. The company is the architecture Paradian manufactures of the Desentione Structural Devel is framing technology

Researcher lands cover of regional magazine

Andrew Nickel, research associate with the **Agriculture & Environmental Technologies** Innovation Centre, is the cover feature in Niagara Life Magazine.



INNOVATION CENTRES V NEWSROOM V RESOURCES & ABOUT

TURE & ENVIRONMENTAL TECHNOLOGIES INNOVATION CENTRE, RESEARCH & INNOVATION

R&I's Andrew Nickel showcases precision agriculture work in magazine cover story



Constanting 2 7/11

Andrew Nickel, a research associate with the Agriculture & Environmental Technologies Innovation Centre, is Niaparo Life Magazine's cover story. He is photographed with the DIII Matrice drane-part of the R&I division's fleet. which also includes the DJI Mavic and a Phontam 4. Photo by Steve Henschel

Andrew Nickel, a research associate at Niagara College, gets to spend his days with state-of-the-art mobile robotics in the field of precision agriculture. His story, the cover feature for Negara Life Magazine this month has put a spatiight on the Agriculture & Environmental Technologies Innovation Centre in the Research & Innovation division.

A focal point for the Agriculture & Environmental Centre has been its renowned work in precision The research team has built and installed a number of micrometerological/weather measurement stations in fields, orchards and vineyards in southern Ontario. Combined with remote sensors both on the ground and In the air, the weather stations provide real-time measurements to assist with identifying oncoming weather threats. With early warnings, growers can hopefully mitigate damage from frost or crop disease, for example.





A growing technology: Putting experience in the vineyard to use in engineering research lab



The Niagara College community may spot a familiar face on the cover of Niagara Life magazine

COVERAGE TYPE Digital, Print SEPTEMBER 2018: InsideNC, ncInnovation



Home / Campus Update / A growing technology: Putting experience in the vineyard to use in engineering research lab

Posted on September 4, 2018 by Julie Greco in Campus Update, My People - Edit

R&I team present at Parliament Hill

NC researchers with the Agriculture & **Environmental Technologies Innovation Centre** travel to Ottawa to provide expertise on farming and agri-food exports to Standing Committee on Agriculture and Agri-food.

Research & Innovation

ABOUT INNOVATION CENTRES V NEWSROOM V RESOURCES &

Researchers from the Agriculture & Environmental Technologies Innovation Centre provide expertise to federal committee on farming, agri-food exports



llagara College's R&I team from the Agriculture & Environi MacLean, research project manager; Mike Duncan, PhD, NSERC Industrial Research Chair in Precision Agriculture & Environmental Technologies: MP Pot Finnigan, Chair of Standing Committee and Sarah Lepp, senior research issociate. The research team showcased its work to the federal Standing Committee on Agriculture and Agri-food

A research team from the Agriculture & Environmental Technologies Innovation Centre at the change on a national level to highlight the work, progress and future potential in the agriculture and farming exports to federal ministers who shape the country's future and policy.

Members of the Niagara College team-Mike Duncan, PhD, NSERC Industrial Research Chair for Colleges



Home / Campus Update / NC researchers travel to Ottawe to provide experited on farming, ago-

NC researchers travel to Ottawa to provide expertise on farming, agri-food exports

rcategorized, Visits/tours/political/delegations - Edit



hers Gregor MacLean, While Duncan, and Sarah Leap meet with MP Pat Finnsyon, choir c Itanding Committies on Applications and Applifood (second from right), in Ottowa to discuss advance in research and technology in the aericulture industri

The House of Commons is a far cry from the offices, labs and farm fields where researchers from NC's Apriculture and Emeronmental Technologies Invovelum Centre typically do their work, away from the public eye.

On September 18 however, three NC researcher's were in the national southeft, as they stood before the House of Commons Standing Committee on Agriculture and Agrilood in Ottawa showcasing how the College is assisting the farming industry and farming exports.

Mike Duncan, PhD, industrial research chair in precision agriculture and environment technologies, Gregor MacLaun, research project manager, and Sarah Lepp, senior research

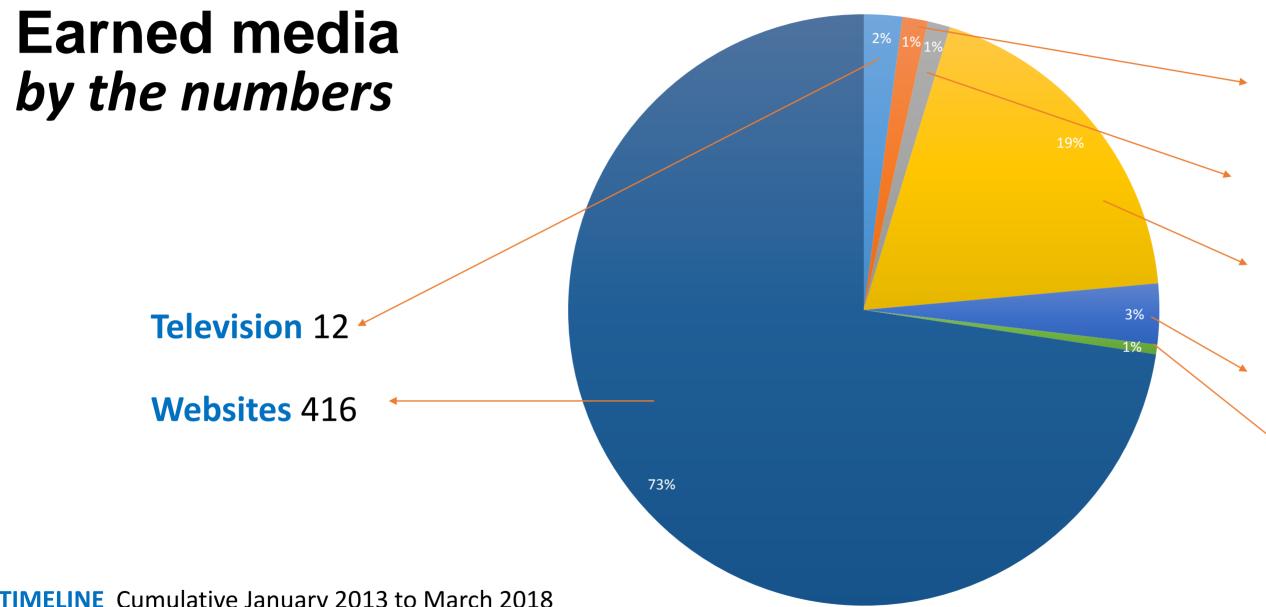
COVERAGE TYPE Digital SEPTEMBER 2018: InsideNC, ncInnovation



Posted on September 20, 2018 by Julie Greco in Campus Update, Research and Innovation







TIMELINE Cumulative January 2013 to March 2018

Radio 8

Reports 7

Newspapers 108

Trade Publications 19

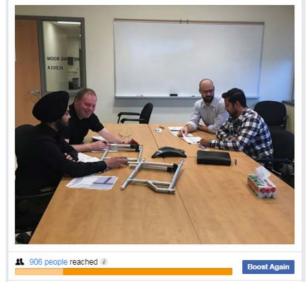
Other print 3





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

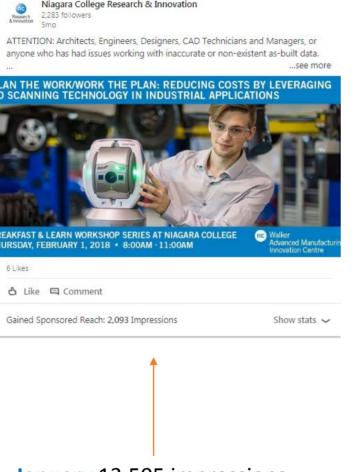


Research&Innovation @NCResearchInnov · Mar 8

March 177,000 impressions

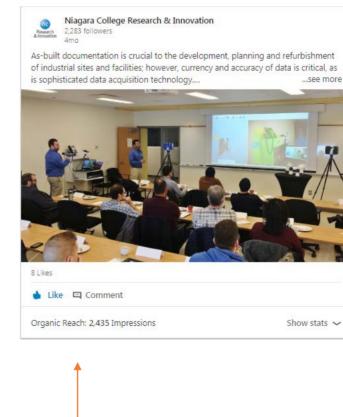






Niagara College Research & Innovation

January 13,505 impressions



SOCIAL MEDIA: LinkedIn

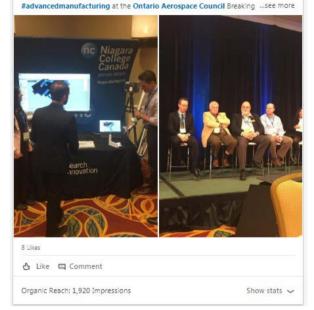
TIMELINE As of March 2018

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.

