



RESEARCH DAY 2017

ADVANCING INNOVATION AND ENTREPRENEURSHIP

THURSDAY, APRIL 27 | DURHAM COLLEGE
STUDENT SERVICES BUILDING
JOIN THE CONVERSATION [#RESEARCHDAY](#)

TIME	SESSION	ROOM	SPEAKERS
8 a.m.	Registration Hot breakfast	SSB Lobby SSB 116	
9 a.m.	Welcome	SSB 116	Dr. Elaine Popp, vice-president, Academic, Durham College (DC)
9:05 a.m.	Opening remarks		Debbie McKee Demczyk, dean, Office of Research Services, Innovation and Entrepreneurship (ORSIE), DC
9:10 a.m.	Keynote address: Good is the new currency Ryan will present on his passion for building a new economy and how students, faculty and industry can participate in the emerging sustainability megatrend. Using examples from his work at the intersection of research, innovation and entrepreneurship, Ryan will speak to the advancement of social innovation and social enterprise in Canada. He will also highlight opportunities to generate values-driven solutions using new methodologies to overcome systemic barriers and bring about impactful social change. From scaling home energy retrofits, ending gender-based violence, supporting community hubs, and curbing household food waste, Ryan will speak to real-life, practical examples that showcase the common ideas behind these new approaches to solving humanity's toughest challenges.		Ryan Turnbull, founder and president, Eco-Ethonomics Inc.
9:25 a.m.	WeTraq: a global tracking device to ensure the connection between you and your loved ones A demonstration of a successful collaboration between a local start-up company and DC, with the support of a grant from the Natural Sciences and Engineering Research Council of Canada (NSERC). This global tracking device is the solution you are looking for to stay connected to your family at all times.		Ishaan Singla, CEO and founder, WeTraq Amit Maraj, professor and researcher, School of Business, IT & Management (BITM), DC Eric Mackie, third-year Computer Programmer Analyst student, DC Mahatab Tamal, third-year Computer Programmer Analyst student, DC Austin Garrod, second-year Computer Programmer student, DC
9:30 a.m.	Networking break	SSB 116	

CONCURRENT BREAKOUT SESSION 1

TIME	STREAM	DESCRIPTION	ROOM	SPEAKERS
10 a.m.	Faculty stream	<p>Internally funded research – part one</p> <p>Collaborations are becoming increasingly important both within education and in the community. Whether training students to become inter-professional practitioners, finding novel ways to simulate real-life practice or drawing on the skills of other disciplines, the research projects that will be featured in this session cover it all.</p> <p>(Please note: this is a double-length session that will run until 11 a.m.)</p>	SSB 117	<p>Don Toporowski, ACE Centre for Firefighting Research and Education</p> <p>Michael Williams-Bell, professor and researcher, HCS, DC</p> <p>Lorraine Closs and Teresa Avvampato, professors and researchers, HCS, DC</p> <p>Greg Moran, professor and researcher, School of Skilled Trades, Apprenticeship & Renewable Technology, DC</p> <p>Shane Jones, professor and researcher, School of Science & Engineering Technology (SET), DC</p>
	Student stream	<p>Meet the EnactusDC team</p> <p>Enactus Canada is an organization that is shaping generations of entrepreneurial leaders who are passionate about advancing the economic, social and environmental health of Canada. As DC's first Enactus team prepares for the national competition being held in Vancouver this May, meet the members of the team, get a sneak preview of their presentations, and learn more about their impactful projects and this exciting international organization.</p>	SSB 118	<p>Jay Fisher, professor, BITM, DC</p> <p>Lindsey Jeremiah, entrepreneurship coordinator, DC</p> <p>Eleanor Lau, first-year Music Business Administration student, DC, and Tori Marshall, second-year Entrepreneurship and Small Business student, DC; Project Youth Opportunities (Project YO)</p> <p>Ryan Cullen, second-year Horticulture - Food and Farming student, DC, and Ryan Koyanagi, second-year Horticulture - Food and Farming student, DC; We Grow Food @ School</p>
	Industry stream	<p>Think Dirty - mobile application mirrored web platform</p> <p>Think Dirty is a mobile-first, social commerce platform that connects ingredient-conscious beauty shoppers to natural beauty brands. Since their inception, Think Dirty has been able to go above and beyond to create a unique experience for all of their end users by empowering them to know exactly what certain off-the-shelf cosmetic products contain. Learn more about Think Dirty and their project with DC, funded by NSERC.</p>	SSB 119	<p>Lily Tse, CEO, Think Dirty Inc.</p> <p>Amit Maraj, professor and researcher, BITM, DC</p> <p>Scott Rocha, second-year Computer Programmer student, DC</p> <p>James Scott Pierson, second-year Computer Programmer Analyst student, DC</p> <p>Mahatab Tamal, third-year Computer Programmer Analyst student, DC</p>

CONCURRENT BREAKOUT SESSION 2

TIME	STREAM	DESCRIPTION	ROOM	SPEAKERS
10:30 a.m.	Faculty stream	Internally funded research – part one (continued)	SSB 117	<p>Don Toporowski, ACE Centre for Firefighting Research and Education</p> <p>Michael Williams-Bell, professor and researcher, HCS, DC</p> <p>Lorraine Closs and Teresa Avvampato, professors and researchers, HCS, DC</p> <p>Greg Moran, professor and researcher, School of Skilled Trades, Apprenticeship & Renewable Technology, DC</p> <p>Shane Jones, professor and researcher, School of Science & Engineering Technology (SET), DC</p>
	Student stream	<p>Employability skills acquired by students through college applied research</p> <p>Colleges are playing a vital role in ensuring that Canada is “innovation ready,” by providing students with the knowledge, advanced skills and work experience needed to maximize their employment and entrepreneurship opportunities. A panel of DC graduates, who were actively involved in applied research during their studies, share their experiences and perspectives on the value of applied research.</p>	SSB 118	<p>Michael Longauer, Computer Programmer Analyst graduate, DC</p> <p>Kenneth Gardner, Electronics Engineering Technology graduate, DC</p> <p>Bolin Leung, Horticulture - Food and Farming graduate, DC</p>
	Industry stream	<p>Pitstop - dashboard management system</p> <p>Vehicle maintenance today is primarily reactive – when an issue happens, that’s when we service our vehicles. Ansik Inc. has developed a service platform, Pitstop, powered by aggregating data from multiple sources such as service centres, original equipment manufacturers, databases, mobile applications, and on-board diagnostics modules to perform machine learning, and data analytics to provide real-time diagnostics and predictive maintenance. This session will discuss Ansik’s NSERC-funded collaboration with DC to develop a dashboard management system for Pitstop.</p>	SSB 119	<p>Shiva Bhardwaj, CEO, Ansik Inc.</p> <p>Amit Maraj, professor and researcher, BITM, DC</p> <p>Austin Garrod, second-year Computer Programmer student, DC</p> <p>Scott Rocha, second-year Computer Programmer student, DC</p>
11 a.m.	Networking break		SSB 116	

CONCURRENT BREAKOUT SESSION 3

TIME	STREAM	DESCRIPTION	ROOM	SPEAKERS
11:15 a.m.	Faculty stream	<p>Internally funded research – part two</p> <p>The teaching and learning experience is fundamental to the college. Last year there were a number of research projects that studied student learning, academic achievement and how to better support student success.</p> <p>(Please note: this is a double-length session that will run until 12:15 p.m.)</p>	SSB 117	<p>Joanne Paterson, professor and researcher, School of Justice & Emergency Services, DC</p> <p>Shauna Moore, learning facilitator and researcher, School of Health & Community Services (HCS), DC</p> <p>Lynne Kennette and Dawn McGuckin, professors and researchers, School of Interdisciplinary Studies, DC</p>
	Student stream	<p>Community entrepreneurship partner panel</p> <p>Whether you are interested in becoming the next Apple or a more traditional business, our community partners are here to discuss the range of support they offer to help start-up businesses and to answer your questions.</p>	SSB 118	<p>Sherry Colbourne, president and CEO, Spark Centre</p> <p>Teresa Shaver, executive director, Business Advisory Centre Durham</p> <p>Ryan Ounjian, business development manager, Northern GTA and Central Ontario, Futurpreneur Canada</p>
	Industry stream	<p>Development of iPass-X iOS App</p> <p>Precise ParkLink is Canada's largest parking management provider and is recognized for its advanced parking technology, which continues to drive the Canadian parking industry forward. In this session, Precise ParkLink and DC will discuss their collaboration, funded by NSERC, to develop an iOS mobile application to be integrated into Precise ParkLink's new iPass-X web-based portal.</p>	SSB 119	<p>Mary Sheridan, director, Communications and Marketing, Precise ParkLink Inc.</p> <p>Herbert Cheng, senior systems engineer, Research and Development, Precise ParkLink Inc.</p> <p>Joe Ritacca, director, Research and Development, Precise ParkLink Inc.</p> <p>Clint MacDonald, professor, BITM, DC</p> <p>Eric Mackie, third-year Computer Programmer Analyst student, DC</p> <p>Jennifer Walker, third-year Computer Programmer Analyst student, DC</p>

CONCURRENT BREAKOUT SESSION 4

TIME	STREAM	DESCRIPTION	ROOM	SPEAKERS
11:45 a.m.	Faculty stream	Internally funded research – part two (continued)	SSB 117	Joanne Paterson, professor and researcher, School of Justice & Emergency Services, DC Shauna Moore, learning facilitator and researcher, School of Health & Community Services (HCS), DC Lynne Kennette and Dawn McGuckin, professors and researchers, School of Interdisciplinary Studies, DC
	Student stream	FastStart student company showcase Meet FastStart's current DC student entrepreneurs who have taken their impressive businesses from ideation through to launch while studying at the college! They will be 'pitching' their business ideas to you, unveiling their product prototypes and answering your questions in a panel discussion.	SSB 118	Jay Fisher, professor, BITM, DC Lindsey Jeremiah, entrepreneurship coordinator, DC Rachel Enright, first-year Computer Programmer Analyst student, DC; Rûts Cosmetics Gregory Barnes, first-year Electro-Mechanical Engineering Technology student, DC; Henlen Watches Ryan Cullen, second-year Horticulture – Food and Farming student, DC; City of Greens Paul Canivet, first-year Mechanical Engineering Technician student, DC; Allan Pens Jacqueline Sharp, second-year Entrepreneurship and Small Business student, DC; Well Dressed Equestrian
	Industry stream	Automation of five-step production line Sultan of Samosas, one of the leading producers of premium samosas, is collaborating with DC, with support from NSERC, to develop a prototype of an automated assembly line for making their product. It is very difficult to achieve the necessary quality, texture and taste when attempting to mass produce premium foods such as samosas, which require a significant amount of manual dexterity for assembly. This session will discuss the approach, challenges and benefits to automating an assembly line to increase the productivity of Sultan of Samosas' operation and allow the company to expand globally.	SSB 119	Reza Macklai, president, Sultan of Samosas Inc. Rob Braithwaite, professor and researcher, SET, DC Derek Heyblom, third-year Mechanical Engineering Technology student, DC Gregory Barnet, third-year Mechanical Engineering Technology student, DC
12:20 p.m.	Awards and closing remarks		SSB 116	Debbie McKee Demczyk, dean, ORSIE, DC
12:45 p.m.	Adjourn			



RYAN TURNBULL

Founder and president

Social enterprise and social innovation consultant

Eco-Ethnomics Inc.

Ryan Turnbull founded Eco-Ethnomics Inc. with the mission to develop socially responsible leaders and build a new, values-based economy through social innovation. He views the emerging social economy as a change engine with immense potential for harnessing the power of entrepreneurship to actively solve seemingly intractable challenges. Ryan has completed over 270 contracts for non-profit organizations, universities, foundations, government, social enterprises, and both private and public companies.

He has coached and consulted for over 180 social enterprises and delivered many workshops on social enterprise throughout Ontario and Canada. Ryan has worked with start-up enterprises in retail, manufacturing, utilities, technology, agriculture, accommodation and food services, education, service industries, mining and extractives, waste management, construction, transportation and warehousing, financial and insurance, arts and entertainment, healthcare and social assistance, real estate and more. Ryan has repeatedly coached first and second place winners of the Toronto Enterprise Fund's Business Planning Competition and has coached many social enterprises through the Enterprising Non-Profits, Futurpreneur and Innoweave.

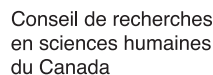
Aside from assisting individual social enterprises, Ryan has also managed several national and provincial research projects on social enterprise aiming to inform public policy. Ryan wrote a national research paper on Employment and Training Social Enterprises for Enterprise Non-profits Canada titled Success Themes in Supportive Employment and a policy paper for Toronto Neighbourhood Centres on The Design Economy. Both papers provided recommendations for policy makers based on extensive consultation with stakeholders from across the social enterprise eco-system.

Ryan regularly speaks on social enterprise and social innovation and has presented at conferences such as the Business Ethics Speaker Series at Ryerson University (Toronto, 2013); Social Enterprise World Forum Research Day (Calgary, 2013); the Ontario Municipal Social Service Association Conference (Toronto, 2013); International Development Conference at the University of Toronto (Toronto, 2015); Social Enterprise Toronto Conference (Toronto, 2015); Social Innovation Symposium (Ottawa, 2016); the Global Social Economy Forum (Montreal, 2016); and National Food Assembly (Toronto, 2016).

Ryan serves on the board of directors for Food Secure Canada and the Ethics Practitioners' Association of Canada, and also sits on the advisory board for the Toronto Sustainability Speaker Series, and on the advisory board for Nourishing Ontario.

With a B.A. and M.A. in philosophy and specialization in ethics, Ryan teaches Corporate Social Responsibility at Ryerson University and has been a regular host for the Global Class at Durham College, facilitating cross-cultural dialogue and learning at the intersection of global issues and applied ethics.

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