



WNC

WATERLOO NANOTECHNOLOGY CONFERENCE

SATURDAY NOVEMBER 10, 2018

MIKE & OPHELIA LAZARIDIS
QUANTUM-NANO CENTRE

We encourage you to explore possibilities in the nanoscale.

INFORMATION PACKAGE

» Learn about the impact you can have by joining us on this journey.



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**WATERLOO
ENGINEERING**

**WATERLOO
SCIENCE**

**NANOTECHNOLOGY
ENGINEERING**



**UNIVERSITY OF
WATERLOO**



Nanotechnology: a small world with huge possibilities.

On November 10, the Waterloo Nanotechnology Conference (WNC) –will enter its fourth year – bringing together academia, industry, and entrepreneurs. We will discuss the past, present, and future of nanotechnology, with the goal of presenting role models and inspiration to the next wave of nanotechnology innovators.

Join us. See what students are capable of and discover how they are uniquely qualified to contribute towards the success of research, industry, policy, and more. Share your expertise and your story. By supporting us, you have a unique opportunity of showing your dedication and commitment to reassuring students of the bright future ahead of them, and the unique opportunities they have in Waterloo, in Canada, and beyond.

Join us and over 200 students to reveal and celebrate the impact of nanotechnology. Help us share the excitement and inspire everyone to play their part in advancing technology by thinking smaller. Join our vision, and invest in the next generation of innovation.

Sincerely,

Jatin Patil

Co-founder, Waterloo Nanotechnology Conference

What is WNC?

WNC is a student-organized conference that provides an opportunity for students, employers, and entrepreneurs to learn from one another, strengthening our mutual understanding about how nanotechnology is taught and how it is used in industry, in innovative research, and how it is powering new ventures.

We will educate and inspire our participants with exciting speakers, an informative industry panel discussion, and other interactive activities.

In the past, we have attracted everyone – ranging from high-school students to seasoned senior undergraduates to graduate students – who seeks an exclusive opportunity to learn about different career paths and the opportunities and resources available to them.

Event Highlights

Distinguished speakers



The Honorable Bardish Chagger, Leader of the Government in the House of Commons & Minister of Small Business and Tourism, addresses the audience at WNC to talk about the support that the Government of Canada has for science, technology, engineering and mathematics (STEM) fields, and the Government's investment in research and innovation. (WNC 2017)

Dr. Joanna Aizenberg, Professor at Harvard University and Core Faculty at the Wyss Institute of Biologically Inspired Engineering, gives an inspiring and engaging talk on how nature's complex nanosystems can be studied and engineered to address real-world problems. Dr. Aizenberg has hired over 60 Waterloo students through the co-operative education program over the past 10 years. (WNC 2017)





Dr. Vladimir Bulović, Associate Dean for Innovation, and Professor at MIT's School of Engineering, talks to a few of the 220 eager attendees from his keynote presentation. He highlighted and discussed the research, development, and impact of nanotechnology-enabled innovations at both MIT and in Waterloo. (WUNC 2016)

Dr. Duncan Stewart, General Manager of the Security and Disruptive Technologies portfolio at the National Research Council of Canada, speaks to students about research and employment in a government research position. At his talk, he highlighted the strategic advantages that Canada has to innovate in nanotechnology. (WNC 2017)



Industry panel



Simon Guthrie, Lead Investigator at Christie Digital, shares some honest and relatable advice on working in teams from his experience with Christie. The industry panel is an open and friendly forum for industry representatives to discuss their experiences and give advice to students looking to enter the next stage of their careers. (WUNC 2015)

The Industry panel, consisting of representatives from IBM Canada, Teledyne DALSA, QD Solar, and Haltech discuss a question posed by the panel moderator, **Dr. Illan Kramer**. Current concerns of entering the job market, and the ups and downs of starting a company were discussed, along with some advice for students seeking inspiration. (WNC 2017)



Poster / networking session



Students flock to the start-up company booths to learn more about recent advances, company culture, and job prospects. Poster sessions also include booths from student design teams and researchers at the University of Waterloo. (WNC 2017)

Many students, including organizers and volunteers, come together to show their research from previous co-op terms at the poster session. This is a great opportunity to engage other students in an open learning environment. (WUNC 2016)

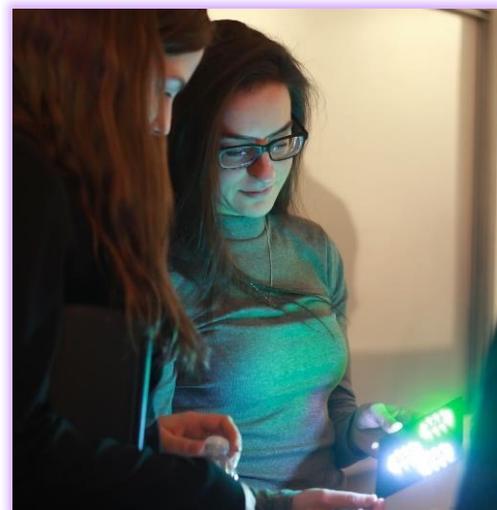


Breakout sessions



Dr. Farnaz Niroui, Miller Postdoctoral Fellow at the University of California, Berkeley, gives a brief talk on her doctoral work on nanoelectromechanical systems. Breakout sessions allow attendees to glimpse new and impactful work enabled by nanotechnology. (WNC 2017)

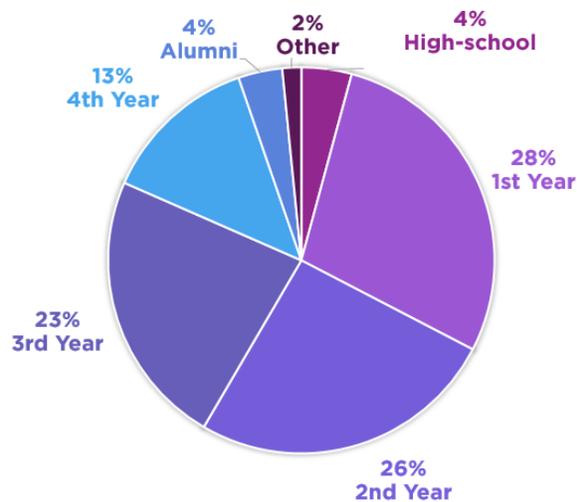
Katarina Ilic, Head of Research and Development at Voltera, shows a printed circuit board with LEDs. She talked about her transition from a nanotechnology research background to starting a company. She gave personal advice and shared the philosophy of Voltera – to show how nanotechnology can make a global impact. (WUNC 2016)



About our Delegates

Who will you find at WNC?

Attendees by year of study



Attendees from other universities



What students say about WNC

"I have learned so much from the conference and [it] has also fortified my passions for nanotechnology. It was a great learning experience that I was so happy to be a part of."

– Nicholas A. S., High school student

"WUNC was the highlight of my fall term last year, and I was incredibly excited by the speakers and activities... I gained so much from this event"

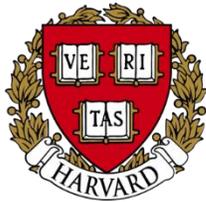
– Sinclair M., 2A Nanotechnology Engineering

"I attended the WUNC 2016 conference as my first WUNC experience and, in brief, I was amazed. What made the experience truly amazing in my eyes was the diverse perspectives from all of the guest speakers."

– Austin B., 3B Nanotechnology Engineering

Past Supporters

Academic speakers



THE UNIVERSITY OF BRITISH COLUMBIA



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Industry panelists



QDSolar



TELEDYNE DALSA
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Other speakers and posters



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EXVIVO





Thank you.

We hope you were inspired by our story - and we invite you to be a part of it. Your contribution is as crucial as ever to our success. Join our quest to inspire the next generation of nanotechnology innovators.

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